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| 04 | 0000000000000000 | 00000000 00000000 | 0000000000000000 | 00000000 00000000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 |
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| 06 | 0000000000000000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000000000000000 | 0000 0000 | 0000 0000 | 0000 0000 |
| 07 | 000 000 | 000 000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 |
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| 09 | 000000000000 | 0000000000000000 | 0000000000000000 | 0000000000000000 | 0000000000000000 | | | | |
| 10 | 0000 00000 | 0000 | 0000 | 0000 | 000000000000 | | | | |
| 11 | 000000000000 | 000000000000 | 0000 | 0000 | | | | | |
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| 13 | 0000 0000 | 0000 | 0000 | 0000 | | | | | |
| 14 | | | | | | | | | |
| 15 | 00000000 | 00000000 | 000000000000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 16 | 00000 00000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 | 0000 0000 |
| 17 | 0000 0000 | 000 000 000 | 000 000 000 | 000 000 000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 18 | 0000000000000000 | 000 000 000 | 000 000 000 | 000 000 000 | 0000 | 0000 | 0000 | 0000 | 0000 |
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| 4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED. | |
| YOU USED | 1559 SYMBOLS. |
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| LENGTH OF MODULE IS | 2144 |
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| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | PAGE 1 009/11/81 12/08/81 00179 |
|----|---------------------|----------------------------|---------------------------------|
| 02 | 0000 | 1 #MAXRF START 0 | 00010000 |
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A04

/11/81 12/08/81 00:29

#MAXRF CROSS-REFERENCE RESOLVER PAGE 2 V09/11/81 12/08/81 00:29

#MAXRF CROSS-REFERENCE RESOLVER

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|-------------|------|------|--|----------|
| | | 3 | | ***** | 00030000 |
| | | 4 | * | * | 00040000 |
| | | 5 | * | MODULE NAME = #MAXRF | 00050000 |
| | | 6 | * | * | 00060000 |
| | | 7 | * | DESCRIPTIVE NAME = CROSS-REFERENCE RESOLVER ROUTINE | 00070000 |
| | | 8 | * | * | 00080000 |
| | | 9 | * | COPYR | 00090000 |
| | | 10 | */ | COPYRIGHT= 5726-SS1 COPYRIGHT IBM CORP 1977, 1981 | */ |
| | | 11 | */ | LICENSED MATERIAL - PROGRAM PROPERTY OF IBM | */ |
| | | 12 | */ | REFER TO COPYRIGHT INSTRUCTIONS FORM NUMBER G120-2083.*/ | */ |
| | | 13 | *** | END OF EXPANSION ** | |
| | | 14 | * | * | 00100000 |
| | | 15 | * | STATUS = RELEASE 07 | 00110000 |
| | | 16 | * | * | 00120000 |
| | | 17 | * | FUNCTION = THIS ROUTINE RESOLVES ABSOLUTE DISK ADDRESSES AMONG | 00130000 |
| | | 18 | * | SCP ROUTINES APPEARING IN WTG TABLES SO THAT THEY CAN BE | 00140000 |
| | | 19 | * | LOADED WITHOUT USING SYSTEM FIND. IT ALSO FILLS IN FORFAT | 00150000 |
| | | 20 | * | INDEX TABLES IN SCP MODULES. | 00160000 |
| | | 21 | * | * | 00170000 |
| | | 22 | * | REFERENCE LABEL | 00180000 |
| | | 23 | * | 1. READ LIBRARY DIRECTORY XRF00030 | 00190000 |
| | | 24 | * | 2. BUILD RESIDENT TABLE OF | 00200000 |
| | | 25 | * | ALL SCP MODULES XRF00060 | 00210000 |
| | | 26 | * | 3. READ IN EACH MODULE WITH WTG TABLE XRF00090 | 00220000 |
| | | 27 | * | OR A FORMAT INDEX TABLE. XRF00090 | 00230000 |
| | | 28 | * | 4. RESOLVE WTG TABLE CROSS-REFERENCES XRF00115 | 00240000 |
| | | 29 | * | OR/AND FILL FORMAT INDEX TABLE | 00250000 |
| | | 30 | * | 5. WRITE MODULE BACK TO DISK IF CHANGED XRF00170 | 00260000 |
| | | 31 | * | 6. LOOP BACK TO (3) FOR EVERY MODULE XRF00170 | 00270000 |
| | | 32 | * | 7. EXIT TO EOJ OR TO CALLER XRF00175 | 00280000 |
| | | 33 | * | * | 00290000 |
| | | 34 | * | * | 00300000 |
| | | 35 | * | * | 00310000 |
| | | 36 | * | NOTES = | 00320000 |
| | | 37 | * | * | 00330000 |
| | | 38 | * | CHARACTER-CODE-DEPENDENCIES = NONE | 00340000 |
| | | 39 | * | * | 00350000 |
| | | 40 | * | DEPENDENCIES = NONE | 00360000 |
| | | 41 | * | * | 00370000 |
| | | 42 | * | RESTRICTION = ASSUMES CALLER HAS PROVIDED SUFFICIENT SPACE. | 00380000 |
| | | 43 | * | CURRENTLY X'2980' IN SIZE (>10K). | 00390000 |
| | | 44 | * | GROWS AS SSP MODULES ARE ADDED. | 00400000 |
| | | 45 | * | * | 00410000 |
| | | 46 | * | REGISTER-CONVENTIONS = XR1=ONE ; XR2=TWO | 00420000 |
| | | 47 | * | * | 00430000 |
| | | 48 | * | PATCH LABEL = XRFPATCH | 00440000 |
| | | 49 | * | * | 00450000 |
| | | 50 | * | MODULE TYPE = LOAD (O) MODULE | 00460000 |
| | | 51 | * | * | 00470000 |
| | | 52 | * | MODULE-SIZE = 2K + 1K I/O BUFFER + 6K RESIDENT TABLE (APPROX) | 00480000 |
| | | 53 | * | + 1K CP FORMAT INDEXES. CURRENTLY > 10K. | 00490000 |
| | | 54 | * | * | 00500000 |
| | | 55 | * | ATTRIBUTES = SERIALLY REUSABLE | 00510000 |
| | | 56 | * | * | 00520000 |

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| 18 | 0010 1321 DIRSYSLD EQU X'10' | 0008 1322 DIRNONEX EQU X'08' | 0011 1323 DIRCOMN EQU X'04' | 0002 1324 DIRUCLAT EQU X'02' | 0001 1325 DIRDXRF EQU X'01' | 1326 * BYTE THREE |
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B06

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|-----------------------|----|---------------------------------|---|
| /11/81 12/08/81 00:29 | 01 | #MAXRF CROSS-REFERENCE RESOLVER | PAGE 3 V09/11/81 12/08/81 00:29 |
| | 02 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| | 03 | 00030000 | 57 * ENTRY-POINT = #MAXRF * |
| | 04 | 00040000 | 58 * * |
| | 05 | 00050000 | 59 * PURPOSE = THE PURPOSE OF THIS ROUTINE IS TO PLACE LOADER * |
| | 06 | 00060000 | 60 * INFORMATION IN THE WTG TABLE OR TO FILL A FORMAT * |
| | 07 | 00070000 | 61 * INDEX TABLE. IT SHOULD BE RUN * |
| | 08 | 00080000 | 62 * WHENEVER THE LIBRARY IS BUILT OR MODIFIED; ESPECIALLY * |
| | 09 | 00090000 | 63 * AT SYSGEN TIME. * |
| | 10 | | 64 * * |
| | 11 | | 65 * THE ENTIRE LIBRARY DIRECTORY IS READ AND A RESIDENT * |
| | 12 | | 66 * TABLE CREATED OF ALL SCP MODULES. THE FORMAT OF THE * |
| | 13 | | 67 * TABLE IS AS FOLLOWS: * |
| | 14 | | 68 * * |
| | 15 | 00100000 | 69 ***** * |
| | 16 | 00110000 | 70 * 2ND * 3RD * 4TH * 5TH * S/S/S * NO. OF * DISP OF * * |
| | 17 | 00120000 | 71 * CHAR* CHAR* CHAR* CHAR* DISK * TEXT * 1ST RLD * TABLE * |
| | 18 | 00130000 | 72 * * * * * ADDRESS * SECTORS* BYTE * INDICATORS* * |
| | 19 | 00140000 | 73 ***** * |
| | 20 | 00150000 | 74 *BYTE BYTE BYTE BYTE BYTES BYTE BYTE * |
| | 21 | 00160000 | 75 * 1 2 3 4 5/6/7 8 9 10 * |
| | 22 | 00170000 | 76 * * |
| | 23 | 00180000 | 77 * AFTER ALL ELIGIBLE MODULE INFORMATION HAS BEEN EXTRACTED FROM THE * |
| | 24 | 00190000 | 78 * DIRECTORY AND THE RESIDENT TABLE IS COMPLETE AND AN IN-CORE * |
| | 25 | 00200000 | 79 * FORMAT INDEX TABLE BUILT, THEN THE 2ND PHASE BEGINS. * |
| | 26 | 00210000 | 80 * THE LAST FOUR SECTORS OF EACH MODULE WITH A WTG TABLE OR A FORMAT * |
| | 27 | 00220000 | 81 * INDEX TABLE ARE READ INTO CORE. IF THE MODULE HAS A WTG TABLE * |
| | 28 | 00230000 | 82 * ITS WHERE-TO-GO (WTG) TABLE IS SEARCHED FOR REFERENCES AND THE * |
| | 29 | 00240000 | 83 * REFERENCES ARE RESOLVED VIA THE RESIDENT TABLE. * |
| | 30 | 00250000 | 84 * IF THE MODULE HAS A FORMATE INDEX TABLE IT IS FILLED IN FROM THE * |
| | 31 | 00260000 | 85 * IN CORE FORMAT INDEX. IF ANY ENTRIES IN EITHER TABLE WERE CHANGED * |
| | 32 | 00270000 | 86 * THE LAST FOUR SECTORS OF THE MODULE ARE WRITTEN BACK TO #LIBRARY * |
| | 33 | 00280000 | 87 * IN THE ORIGINAL LOCATION WITH UPDATED TABLES. * |
| | 34 | 00290000 | 88 * * |
| | 35 | 00300000 | 89 * THE WTG TABLE IS FOUND WITHIN EACH MODULE USING THE 'NO.OF TEXT * |
| | 36 | 00310000 | 90 * SECTORS' AND 'DISP OF FIRST RLD BYTE' INFORMATION FROM THE RESIDENT * |
| | 37 | 00320000 | 91 * TABLE. THAT YIELDS THE LAST TEXT BYTE OF THE MODULE. BY * |
| | 38 | 00330000 | 92 * CONVENTION, EACH OF THE ELIGIBLE MODULES MUST CONTAIN A WTG TABLE. * |
| | 39 | 00340000 | 93 * THE WTG TABLE IS THE VERY LAST CORE-CONSUMING SEGMENT OF THE MODULE. * |
| | 40 | 00350000 | 94 * EVERY WTG TABLE IS PRECEDED BY 2 ALL-ONE BYTES TO DELIMIT THE TABLE. * |
| | 41 | 00360000 | 95 * AS IT IS SEARCHED IN A DESCENDING MANNER, THE FORMAT OF THE WTG * |
| | 42 | 00370000 | 96 * TABLE IS AS FOLLOWS: * |
| | 43 | 00380000 | 97 * * |
| | 44 | 00390000 | 98 * ***** * |
| | 45 | 00400000 | 99 * * * * * * * * * * * |
| | 46 | 00410000 | 100 * * ALL ONES * 2ND * 3RD * 4TH * 5TH * SSS * NO. OF * RLD * * |
| | 47 | 00420000 | 101 * * X'FFFF' * CHAR * CHAR * CHAR * CHAR* DISK * TEXT * DISP * * |
| | 48 | 00430000 | 102 * * * * * * * * * * ADDRESS* SECTORS* * * |
| | 49 | 00440000 | 103 * ***** * |
| | 50 | 00450000 | 104 * * |
| | 51 | 00460000 | 105 * * |
| | 52 | 00470000 | 106 * THE FORMAT INDEX TABLE MUST PRECEDE THE WTG TABLE IF BOTH ARE * |
| | 53 | 00480000 | 107 * PRESENT. IF ONLY A FORMATE INDEX TABLE IS PRESENT, IT IS FOUND THE * |
| | 54 | 00490000 | 108 * SAME WAY AS THE WTG TABLE. THE FORMAT INDEX TABLE MUST ALSO BE * |
| | 55 | 00500000 | 109 * PRECEDED BY 2 BYTES OF ALL-ONES. * |
| | 56 | 00510000 | 110 * AS IT IS SEARCHED IN A DESCENDING MANNER, THE FORMAT OF THE FORMAT * |
| | 57 | 00520000 | |

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| #MAXRF CROSS-REFERENCE RESOLVER | 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
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| ERR | LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | 0170000 |
|-------|-----|-------------|------|------|--|----------|
| * | | 00530000 | 111 | * | INDEX TABLE IS AS FOLLOWS: | 01070000 |
| * | | 00540000 | 112 | * | | 01080000 |
| * | | 00550000 | 113 | * | ***** | 01090000 |
| AT | * | 00560000 | 114 | * | * * * * * | 01100000 |
| * | | 00570000 | 115 | * | * ALL ONES * 1ST * 2ND * SSS * NUM * NUM * INPUT LENGTH * * | 01110000 |
| E | C | IALLY | 116 | * | * * 'X'FFFF' * DISP * DISP * DISK * FDT * TEXT * OF SCREEN * * | 01120000 |
| * | | 00580000 | 117 | * | * * * * * ADDRESS * * * * * | 01130000 |
| * | | 00590000 | 118 | * | ***** | 01140000 |
| * | | 00600000 | 119 | * | | 01150000 |
| IDENT | * | 00610000 | 120 | * | * SHOULD A PERMANENT DISK IO ERROR OCCUR DURING THE RUN, THE LIBRARY | 01160000 |
| F | T | H | 121 | * | * SHOULD BE RELOCATED OR THE ALTERNATE TRACK PROGRAM SHOULD BE RUN. | 01170000 |
| * | | 00620000 | 122 | * | | 01180000 |
| * | | 00630000 | 123 | * | LINKAGE = THE ROUTINE MAY BE EVOKED USING THE '//LOAD//RUN' | 01190000 |
| ***** | | 00640000 | 124 | * | SEQUENCE OR BY BRANCHING TO ITS ENTRY POINT +3. WHEN | 01200000 |
| ***** | | 00650000 | 125 | * | BRANCHING TO THIS ROUTINE CONTROL IS RETURN'D TO THE | 01210000 |
| ***** | | 00660000 | 126 | * | NEXT SEQUENTIAL INSTRUCTION FOLLOWING THE BRANCH, | 01220000 |
| ***** | | 00670000 | 127 | * | OTHERWISE IT CALLS THE EOJ TRANSIENT. | 01230000 |
| ***** | | 00680000 | 128 | * | THE CALLERS OF #MAXRF ARE: | 01240000 |
| ***** | | 00690000 | 129 | * | IPL (#MSNIP), TERM (#CTEPR), TOLIBR (#MATLS), | 01250000 |
| ***** | | 00700000 | 130 | * | CONDENSE(#MARZK), APPLYPTF(#MASSP), | 01260000 |
| ***** | | 00710000 | 131 | * | DEVELOPMENT AIDS: CARDBUL, DISKBULD, FDSKBULD | 01270000 |
| ***** | | 00720000 | 132 | * | | 01280000 |
| ***** | | 00730000 | 133 | * | INPUT = NONE REQUIRED; IT WILL FILL IN WTG TABLES AND FORMAT | 01290000 |
| ***** | | 00740000 | 134 | * | INDEX TABLES OF SCP LOAD MODULES IN #LIBRARY. | 01300000 |
| ***** | | 00750000 | 135 | * | | 01310000 |
| ***** | | 00760000 | 136 | * | | 01320000 |
| ***** | | 00770000 | 137 | * | OUTPUT = UPDATED MODULE WTG TABLES (DISK ADDRESSES, NUMBER | 01330000 |
| ***** | | 00780000 | 138 | * | OF SECTORS, AND RLD DISPLACEMENT.) | 01340000 |
| ***** | | 00790000 | 139 | * | ANY UNRESOLVED ADDRESS WILL CAUSE THE DISK ADDRESS | 01350000 |
| ***** | | 00800000 | 140 | * | OF A 'NO-OP' TRANSIENT (#WANDP) TO BE PLACED IN THE | 01360000 |
| ***** | | 00810000 | 141 | * | WTG TABLE SO THAT WHEN THE UNRESOLVED MODULE IS | 01370000 |
| ***** | | 00820000 | 142 | * | CALLED, #WANDP IS CALLED INSTEAD. #WANDP WILL HALT. | 01380000 |
| ***** | | 00830000 | 143 | * | ALSO UPDATED FORMAT INDEX TABLES. A BAD DISPLACEMENT | 01390000 |
| ***** | | 00840000 | 144 | * | FOR THE FORMAT INDEX IS NOT HANDLED. | 01400000 |
| ***** | | 00850000 | 145 | * | | 01410000 |
| ***** | | 00860000 | 146 | * | EXIT-NORMAL = END-OF-JOB, OR BRANCH TO NSI OF CALLER ACCORDING | 01420000 |
| ***** | | 00870000 | 147 | * | TO ENTRY. | 01430000 |
| ***** | | 00880000 | 148 | * | | 01440000 |
| ***** | | 00890000 | 149 | * | EXIT-ERROR = NONE | 01450000 |
| ***** | | 00900000 | 150 | * | | 01460000 |
| ***** | | 00910000 | 151 | * | MESSAGES-INITIATED = MIC- 2599 OPTION (0,3) | 01470000 |
| ***** | | 00920000 | 152 | * | | 01480000 |
| ***** | | 00930000 | 153 | * | EXTERNAL-REFERENCE = | 01490000 |
| ***** | | 00940000 | 154 | * | | 01500000 |
| ***** | | 00950000 | 155 | * | ROUTINES = FD IOS | 01510000 |
| ***** | | 00960000 | 156 | * | | 01520000 |
| ***** | | 00970000 | 157 | * | DATA SETS = N/A | 01530000 |
| ***** | | 00980000 | 158 | * | | 01540000 |
| ***** | | 00990000 | 159 | * | DATA AREAS = 4 SECTOR I/O BUFFER - TO READ LIBRARY DIRECTORY | 01550000 |
| ***** | | 01000000 | 160 | * | AND LAST 4 SECTORS OF MODULE | 01560000 |
| ***** | | 01010000 | 161 | * | | 01570000 |
| ***** | | 01020000 | 162 | * | CONTROL BLOCKS = N/A | 01580000 |
| ***** | | 01030000 | 163 | * | | 01590000 |
| ***** | | 01040000 | 164 | * | TABLES = IOB, SCA, WTG TABLES OF SCP MODULES , FORMAT INDEX | 01600000 |
| ***** | | 01050000 | | * | | |
| ***** | | 01060000 | | * | | |

| ERR | LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | 0170000 |
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| * | | 00530000 | 111 | * | INDEX TABLE IS AS FOLLOWS: | 01070000 |
| * | | 00540000 | 112 | * | | 01080000 |
| * | | 00550000 | 113 | * | ***** | 01090000 |
| AT | * | 00560000 | 114 | * | * * * * * | 01100000 |
| * | | 00570000 | 115 | * | * ALL ONES * 1ST * 2ND * SSS * NUM * NUM * INPUT LENGTH * * | 01110000 |
| E | C | IALLY | 116 | * | * * 'X'FFFF' * DISP * DISP * DISK * FDT * TEXT * OF SCREEN * * | 01120000 |
| * | | 00580000 | 117 | * | * * * * * ADDRESS * * * * * | 01130000 |
| * | | 00590000 | 118 | * | ***** | 01140000 |
| * | | 00600000 | 119 | * | | 01150000 |
| IDENT | * | 00610000 | 120 | * | * SHOULD A PERMANENT DISK IO ERROR OCCUR DURING THE RUN, THE LIBRARY | 01160000 |
| F | T | H | 121 | * | * SHOULD BE RELOCATED OR THE ALTERNATE TRACK PROGRAM SHOULD BE RUN. | 01170000 |
| * | | 00620000 | 122 | * | | 01180000 |
| * | | 00630000 | 123 | * | LINKAGE = THE ROUTINE MAY BE EVOKED USING THE '//LOAD//RUN' | 01190000 |
| ***** | | 00640000 | 124 | * | SEQUENCE OR BY BRANCHING TO ITS ENTRY POINT +3. WHEN | 01200000 |
| ***** | | 00650000 | 125 | * | BRANCHING TO THIS ROUTINE CONTROL IS RETURN'D TO THE | 01210000 |
| ***** | | 00660000 | 126 | * | NEXT SEQUENTIAL INSTRUCTION FOLLOWING THE BRANCH, | 01220000 |
| ***** | | 00670000 | 127 | * | OTHERWISE IT CALLS THE EOJ TRANSIENT. | 01230000 |
| ***** | | 00680000 | 128 | * | THE CALLERS OF #MAXRF ARE: | 01240000 |
| ***** | | 00690000 | 129 | * | IPL (#MSNIP), TERM (#CTEPR), TOLIBR (#MATLS), | 01250000 |
| ***** | | 00700000 | 130 | * | CONDENSE(#MARZK), APPLYPTF(#MASSP), | 01260000 |
| ***** | | 00710000 | 131 | * | DEVELOPMENT AIDS: CARDBUL, DISKBULD, FDSKBULD | 01270000 |
| ***** | | 00720000 | 132 | * | | 01280000 |
| ***** | | 00730000 | 133 | * | INPUT = NONE REQUIRED; IT WILL FILL IN WTG TABLES AND FORMAT | 01290000 |
| ***** | | 00740000 | 134 | * | INDEX TABLES OF SCP LOAD MODULES IN #LIBRARY. | 01300000 |
| ***** | | 00750000 | 135 | * | | 01310000 |
| ***** | | 00760000 | 136 | * | | 01320000 |
| ***** | | 00770000 | 137 | * | OUTPUT = UPDATED MODULE WTG TABLES (DISK ADDRESSES, NUMBER | 01330000 |
| ***** | | 00780000 | 138 | * | OF SECTORS, AND RLD DISPLACEMENT.) | 01340000 |
| ***** | | 00790000 | 139 | * | ANY UNRESOLVED ADDRESS WILL CAUSE THE DISK ADDRESS | 01350000 |
| ***** | | 00800000 | 140 | * | OF A 'NO-OP' TRANSIENT (#WANDP) TO BE PLACED IN THE | 01360000 |
| ***** | | 00810000 | 141 | * | WTG TABLE SO THAT WHEN THE UNRESOLVED MODULE IS | 01370000 |
| ***** | | 00820000 | 142 | * | CALLED, #WANDP IS CALLED INSTEAD. #WANDP WILL HALT. | 01380000 |
| ***** | | 00830000 | 143 | * | ALSO UPDATED FORMAT INDEX TABLES. A BAD DISPLACEMENT | 01390000 |
| ***** | | 00840000 | 144 | * | FOR THE FORMAT INDEX IS NOT HANDLED. | 01400000 |
| ***** | | 00850000 | 145 | * | | 01410000 |
| ***** | | 00860000 | 146 | * | EXIT-NORMAL = END-OF-JOB, OR BRANCH TO NSI OF CALLER ACCORDING | 01420000 |
| ***** | | 00870000 | 147 | * | TO ENTRY. | 01430000 |
| ***** | | 00880000 | 148 | * | | 01440000 |
| ***** | | 00890000 | 149 | * | EXIT-ERROR = NONE | 01450000 |
| ***** | | 00900000 | 150 | * | | 01460000 |
| ***** | | 00910000 | 151 | * | MESSAGES-INITIATED = MIC- 2599 OPTION (0,3) | 01470000 |
| ***** | | 00920000 | 152 | * | | 01480000 |
| ***** | | 00930000 | 153 | * | EXTERNAL-REFERENCE = | 01490000 |
| ***** | | 00940000 | 154 | * | | 01500000 |
| ***** | | 00950000 | 155 | * | ROUTINES = FD IOS | 01510000 |
| ***** | | 00960000 | 156 | * | | 01520000 |
| ***** | | 00970000 | 157 | * | DATA SETS = N/A | 01530000 |
| ***** | | 00980000 | 158 | * | | 01540000 |
| ***** | | 00990000 | 159 | * | DATA AREAS = 4 SECTOR I/O BUFFER - TO READ LIBRARY DIRECTORY | 01550000 |
| ***** | | 01000000 | 160 | * | AND LAST 4 SECTORS OF MODULE | 01560000 |
| ***** | | 01010000 | 161 | * | | 01570000 |
| ***** | | 01020000 | 162 | * | CONTROL BLOCKS = N/A | 01580000 |
| ***** | | 01030000 | 163 | * | | 01590000 |
| ***** | | 01040000 | 164 | * | TABLES = IOB, SCA, WTG TABLES OF SCP MODULES , FORMAT INDEX | 01600000 |
| ***** | | 01050000 | | * | | |
| ***** | | 01060000 | | * | | |

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| 4 | V09/11/81 | 12/08/81 | 00:29 |
| * | 01070000 | | |
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| * | 01120000 | | |
| * | 01130000 | | |
| *** | 01140000 | | |
| * | 01150000 | | |
| ARY | 01160000 | | |
| IN. | 01170000 | | |
| * | 01180000 | | |
| RUN | 01190000 | | |
| WHEN | 01200000 | | |
| THE | 01210000 | | |
| * | 01220000 | | |
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| E | 01360000 | | |
| * | 01370000 | | |
| * | 01380000 | | |
| ENT | 01390000 | | |
| * | 01400000 | | |
| * | 01410000 | | |
| ING | 01420000 | | |
| * | 01430000 | | |
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| * | 01520000 | | |
| * | 01530000 | | |
| * | 01540000 | | |
| Y | 01550000 | | |
| DULE | 01560000 | | |
| * | 01570000 | | |
| * | 01580000 | | |
| * | 01590000 | | |
| * | 01600000 | | |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|-------------|-------|----------|---|----------|
| 01 | | | | | |
| 02 | | 165 * | | TABLES OF SCP MODULES, IN-CORE FORMAT INDEX, AND A | 01610000 |
| | | 166 * | | RESIDENT TABLE OF ALL SCP MODULES. | 01620000 |
| 03 | | 167 * | | | 01630000 |
| | | 168 * | MACROS = | IDMAC SCB \$LOGD \$LOG FMTIX JCBEQ | 01640000 |
| | | 169 * | | \$IOBD SCAEQ SVEQU \$MSG ERR XNTEQ | 01650000 |
| 04 | | 170 * | | FIEQU DIREQ #EQU DRCT1 COPYR \$EQU | 01660000 |
| | | 171 * | | TCB LCS KKKCA | 01670000 |
| | | 172 * | | | 01680000 |
| 05 | | 173 * | | CHANGE ACTIVITY - MAXRF | 01690000 |
| | | 174 * | | RELEASE 04 | 01700000 |
| | | 175 * | | @@214 -INCR/P10434- CALL MAXINT TO UPDATE TRANSFER TABLE | 01710000 |
| 06 | | 176 * | | | 01720000 |
| | | 177 * | | RELEASE 05 | 01730000 |
| | | 178 * | | @@238 -INCR/P10504- MAKE SUBCONSOLE SUPPORT OPTIONAL FOR | 01740000 |
| 07 | | 179 * | | #FCCF SCREEN FORMAT MEMBER | 01750000 |
| | | 180 * | | | 01760000 |
| | | 181 * | | RELEASE 06 | 01770000 |
| 08 | | 182 * | | @@220 -INCR/P10602- SUPPORT 2 MORE CP FORMAT MODULES AND 1 | 01780000 |
| | | 183 * | | MORE OPTIONAL SUBCONSOLE FORMAT MEMBER FOR | 01790000 |
| | | 184 * | | BALBOA AND SET BIT TO TELL EXTN (GATJI) | 01800000 |
| 09 | | 185 * | | TASK THAT OXRF HAS RUN. | 01810000 |
| | | 186 * | | RELEASE 07 | 01820000 |
| | | 187 * | | @@459 -INCR/P10740- SAVE SPACE ON PID DISKETTES (PAD MODULES) | 01830000 |
| 10 | | 188 * | | THIS CHANGE IS A COMPLETE MODULE REPLACEMENT | 01840000 |
| | | 189 * | | | 01850000 |
| | | 190 | | ***** | 01860000 |
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| 02 | | | | | |
| 03 | | | | | |
| 04 | | | | 0000 F2 87 13 | |
| 05 | | | | 0003 F6 00 0E | |
| | | | | 0006 34 08 0401 | |
| | | | | 000A 34 01 03F9 | |
| 06 | | | | 000E 34 02 03FD | |
| | | | | 0012 3C 87 03F0 | |
| | | | | 0016 F6 00 0E | |
| 07 | | | | | |
| 08 | | | | | |
| 09 | | | | 0019 F2 87 06 | |
| 10 | | | | 001C 7BD4C1E7D9 | |
| | | | | 0021 08 | |
| 11 | | | | | |
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|----|------------------------------|----------------------|----|------|
| 18 | 0000 1409 PRV EQU X'00' | TASK PRIVELEDGED | 18 | 0000 |
| | 0001 1410 NPRV EQU X'01' | TASK NOT PRIVELEDGED | | 0001 |
| | 0080 1411 DSABL EQU X'80' | DISPATCHING DISABLED | | 0001 |
| 19 | 1412 *** END OF EXPANSION ** | | | |
| 20 | | | | |

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| V09/11/81 12/08/81 00:29 | 01 | **XRF CROSS-REFERENCE RESOLVER | | | PAGE 6 V09/11/81 12/08/81 00:29 |
| | | ERR LOC | OBJECT CODE | ADDR | STMT SOURCE STATEMENT |
| * | 01610000 | 02 | 192 | ***** | |
| * | 01620000 | | 193 | * | 01880000 |
| * | 01630000 | | 194 | * | 01890000 |
| * | 01640000 | 03 | 194 | * | 01900000 |
| * | 01650000 | | 195 | * | 01910000 |
| * | 01660000 | | 196 | * | 01920000 |
| * | 01670000 | 04 | 0000 F2 87 13 | 198 XRF00000 J XRF00020 | NORMAL E.P. RETURNS TO EOJ. 01940000 |
| * | 01680000 | | 0003 F6 00 0E | 199 XRF00003 LPMR PRV+IARX+OP1+OP2 | RETURN E.P. TRANS ON 01950000 |
| * | 01690000 | 05 | 0006 34 08 0401 | 200 ST XRF00200+3,ARR | +3 E.P. CAUSES RETURN TO CALLER 01960000 |
| * | 01700000 | | 000A 34 01 03F9 | 201 ST XRF00196+3,XR1 | SAVE XR1 CONTENTS 01970000 |
| * | 01710000 | | 000E 34 02 03FD | 202 ST XRF00198+3,XR2 | SAVE XR2 CONTENTS 01980000 |
| * | 01720000 | 06 | 0012 3C 87 03F0 | 203 MVI XRF00180+1,UNCOND | SET TO JUMP EOJ CALL 01990000 |
| * | 01730000 | | 0016 F6 00 0E | 204 XRF00020 LPMR PRV+IARX+OP1+OP2 | TRANSLATE ON FOR O E.P. 02000000 |
| * | 01740000 | | | | |
| * | 01750000 | 07 | 206 * | IDMVC NAME=**XRF, ATTR=C00000, CORE=38, RLD=Y, JUMP=Y | 02020000 |
| * | 01760000 | | 207 | LEVEL 08 | RELEASE LEVEL |
| * | 01770000 | | 208 | ATTR C00000 | LIBRARY ATTRIBUTES |
| * | 01780000 | 08 | 209 | CORE 38 | NUMBER OF SECTORS |
| * | 01790000 | | 210 | RLD Y | RLD OPTION |
| * | 01800000 | | 211 | MRT 00 | MRT OPTION |
| * | 01810000 | 09 | 0019 F2 87 06 | J **9 | JUMP AROUND MAIN STORE CONSTANTS |
| * | 01820000 | | | | |
| * | 01830000 | | | | |
| * | 01840000 | 10 | 001C 7BD4C1E7D9 | 0020 213 DC CL5=**XRF | MODULE NAME |
| * | 01850000 | | 0021 08 | 0021 214 DC XL1'08' | RELEASE LEVEL |
| ** | 01860000 | | | | |
| | | 11 | 216 *** END OF EXPANSION ** | | |
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| 01 | **XRF CROSS-REFERENCE RESOLVER | | | PAGE 6 V09/11/81 12/08/81 00:29 |
| | ERR LOC | OBJECT CODE | ADDR | STMT SOURCE STATEMENT |
| 02 | | 192 | ***** | |
| 03 | | 193 | * | 01880000 |
| 04 | | 194 | * | 01890000 |
| 05 | | 194 | * | 01900000 |
| 06 | | 195 | * | 01910000 |
| 07 | | 196 | * | 01920000 |
| 08 | 0000 F2 87 13 | 198 XRF00000 J XRF00020 | NORMAL E.P. RETURNS TO EOJ. 01940000 | |
| 09 | 0003 F6 00 0E | 199 XRF00003 LPMR PRV+IARX+OP1+OP2 | RETURN E.P. TRANS ON 01950000 | |
| 10 | 0006 34 08 0401 | 200 ST XRF00200+3,ARR | +3 E.P. CAUSES RETURN TO CALLER 01960000 | |
| 11 | 000A 34 01 03F9 | 201 ST XRF00196+3,XR1 | SAVE XR1 CONTENTS 01970000 | |
| 12 | 000E 34 02 03FD | 202 ST XRF00198+3,XR2 | SAVE XR2 CONTENTS 01980000 | |
| 13 | 0012 3C 87 03F0 | 203 MVI XRF00180+1,UNCOND | SET TO JUMP EOJ CALL 01990000 | |
| 14 | 0016 F6 00 0E | 204 XRF00020 LPMR PRV+IARX+OP1+OP2 | TRANSLATE ON FOR O E.P. 02000000 | |
| 15 | | | | |
| 16 | | 206 * | IDMVC NAME=**XRF, ATTR=C00000, CORE=38, RLD=Y, JUMP=Y 02020000 | |
| 17 | | 207 | LEVEL 08 RELEASE LEVEL | |
| 18 | | 208 | ATTR C00000 LIBRARY ATTRIBUTES | |
| 19 | | 209 | CORE 38 NUMBER OF SECTORS | |
| 20 | | 210 | RLD Y RLD OPTION | |
| | | 211 | MRT 00 MRT OPTION | |
| | 0019 F2 87 06 | 212 | J **9 | JUMP AROUND MAIN STORE CONSTANTS |
| | | | | |
| | 001C 7BD4C1E7D9 | 0020 213 | DC CL5=**XRF | MODULE NAME |
| | 0021 08 | 0021 214 | DC XL1'08' | RELEASE LEVEL |
| | | | | |
| | | | 216 *** END OF EXPANSION ** | |
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| 01 | **XRF CROSS-REFERENCE RESOLVER | | | PAGE 6 V09/11/81 12/08/81 00:29 |
| | ERR LOC | OBJECT CODE | ADDR | STMT SOURCE STATEMENT |
| 02 | | 192 | ***** | |
| 03 | | 193 | * | 01880000 |
| 04 | | 194 | * | 01890000 |
| 05 | | 194 | * | 01900000 |
| 06 | | 195 | * | 01910000 |
| 07 | | 196 | * | 01920000 |
| 08 | 0000 F2 87 13 | 198 XRF00000 J XRF00020 | NORMAL E.P. RETURNS TO EOJ. 01940000 | |
| 09 | 0003 F6 00 0E | 199 XRF00003 LPMR PRV+IARX+OP1+OP2 | RETURN E.P. TRANS ON 01950000 | |
| 10 | 0006 34 08 0401 | 200 ST XRF00200+3,ARR | +3 E.P. CAUSES RETURN TO CALLER 01960000 | |
| 11 | 000A 34 01 03F9 | 201 ST XRF00196+3,XR1 | SAVE XR1 CONTENTS 01970000 | |
| 12 | 000E 34 02 03FD | 202 ST XRF00198+3,XR2 | SAVE XR2 CONTENTS 01980000 | |
| 13 | 0012 3C 87 03F0 | 203 MVI XRF00180+1,UNCOND | SET TO JUMP EOJ CALL 01990000 | |
| 14 | 0016 F6 00 0E | 204 XRF00020 LPMR PRV+IARX+OP1+OP2 | TRANSLATE ON FOR O E.P. 02000000 | |
| 15 | | | | |
| 16 | | 206 * | IDMVC NAME=**XRF, ATTR=C00000, CORE=38, RLD=Y, JUMP=Y 02020000 | |
| 17 | | 207 | LEVEL 08 RELEASE LEVEL | |
| 18 | | 208 | ATTR C00000 LIBRARY ATTRIBUTES | |
| 19 | | 209 | CORE 38 NUMBER OF SECTORS | |
| 20 | | 210 | RLD Y RLD OPTION | |
| | | 211 | MRT 00 MRT OPTION | |
| | 0019 F2 87 06 | 212 | J **9 | JUMP AROUND MAIN STORE CONSTANTS |
| | | | | |
| | 001C 7BD4C1E7D9 | 0020 213 | DC CL5=**XRF | MODULE NAME |
| | 0021 08 | 0021 214 | DC XL1'08' | RELEASE LEVEL |
| | | | | |
| | | | 216 *** END OF EXPANSION ** | |
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| 18 | 0008 1461 \$LGMUSE EQU X'08' | .USER MESSAGE MEMBER |
| | 1463 * EQUATE FOR TYPES 1,3 AND 4 | |
| 19 | 0003 1465 \$LGDPRID EQU \$LGDPMEM+1 | PROGRAM ID |
| | 0001 1466 \$LGLPRID EQU 1 | LENGTH |
| 20 | 0001 1467 \$LGMSSP EQU X'01' | .SSP |

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| 6 | V09/11/81 12/08/81 00:29 |
| ***** | 01880000 |
| * | 01890000 |
| * | 01900000 |
| * | 01910000 |
| ***** | 01920000 |
| DJ. | 01940000 |
| | 01950000 |
| CALLER | 01960000 |
| | 01970000 |
| | 01980000 |
| | 01990000 |
| | 02000000 |
| | 02020000 |

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| *MAXRF CROSS-REFERENCE RESOLVER | | PAGE 7 V09/11/81 12/08/81 00:29 | |
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 218 | ***** |
| | | 219 | * |
| 03 | | 220 | * GET & SAVE DISK ADDRESSES OF *LIBRARY. |
| | | 221 | * |
| | | 222 | ***** |
| 04 | 0022 F6 00 0C | 224 | LPMR PRV+IARX+OP2 OP1 TRANSLATE OFF TO GET AT SCA |
| | 0025 35 02 004F | 225 | L SCADLBF1,XR2 *LIBRARY F1 @ IN XR2 |
| 05 | 0029 F6 00 0A | 226 | LPMR PRV+IARX+OP1 OP 2 TRANSLATE OFF TO GET F1 |
| | 002C 2C 02 043C 18 | 227 | MVC XRFLCS@3),FIADSTDA(,2) SAVE LCS DISK ADDRESS |
| | 0031 2C 02 043F 15 | 228 | MVC XRFLIB@3),FIADLSTR(,2) SAVE SSS OF START OF LIB MEMBERS |
| 06 | 0036 2C 02 0442 08 | 229 | MVC XRFDIR@3),FIADDATE(,2) SAVE SSS OF *LIBRARY DIR |
| | 0038 F6 00 0E | 230 | LPMR PRV+IARX+OP1+OP2 TRANSLATE BACK ON |

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| *MAXRF CROSS-REFERENCE | |
| ERR LOC | OBJECT CODE |
| 02 | |
| 03 | |
| 04 | 003E C2 01 0400 |
| 05 | 0042 4C 02 18 043C |
| | 0047 7C 00 08 |
| | 004A 7C A1 03 |
| 06 | 004D C0 87 0402 |
| | 0051 75 02 07 |
| | 0054 BB 88 00 |
| | 0057 7C A2 03 |
| | 005A C0 87 0402 |
| 08 | 005E 7C A1 03 |
| | 0061 7C 03 08 |
| | 0064 4C 02 18 0442 |
| 12 | 0069 F6 00 08 |
| | 006C 38 10 005B |
| | 0070 F2 90 16 |
| 13 | 0073 F4 00 0F |
| | 0076 10 |
| | 0077 3E |
| 15 | 0078 BB 40 02 |
| 16 | 007B 38 80 00D9 |
| | 007F F2 90 07 |
| 17 | 0082 35 02 00D8 |
| | 0086 BA 02 0A |
| | 0089 F6 00 0E |

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| 18 | 1516 * DATA RESPONSE EQUATES FOR TYPE 1R ONLY | 8 |
| 19 | 0008 1518 \$LGDRLN EQU \$LGDACT+1 DATA RESPONSE LENGTH | |
| | 0001 1519 \$LGLDRLN EQU 1 LENGTH | |
| | 0000 1520 \$LGDORAD EQU \$LGDORLN+2 DATA RESPONSE ADDRESS | |
| 20 | 0002 1521 \$LGLDORAD EQU 2 LENGTH | |

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| PAGE 7 | V09/11/81 | 12/08/81 | 00:29 |
| 02040000 | * | | |
| 02050000 | * | | |
| 02060000 | * | | |
| 02070000 | * | | |
| 02080000 | | | |
| 02100000 | | | |
| 02110000 | | | |
| 02120000 | | | |
| 02130000 | | | |
| 02140000 | | | |
| 02150000 | | | |
| 02160000 | | | |

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| **XRF CROSS-REFERENCE RESOLVER | | | | PAGE 8 | V09/11/81 | 12/08/81 | 00:29 |
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT | | | | |
| | 02040000 | 232 | ***** | 02180000 | | | |
| | * | 233 | * | 02190000 | | | |
| | 02060000 | 234 | * SET OFF ALL RUN **XRF INDICATORS 1ST - IF FAILS WILL NOT RETRY * | 02200000 | | | |
| | * | 235 | * | 02210000 | | | |
| | 02070000 | 236 | ***** | 02220000 | | | |
| | * | 237 | * SET OFF NEED TO RUN **XRF INDICATOR IN LCS. | 02230000 | | | |
| | 02080000 | 003E C2 01 0400 | 239 LA XRFIOB, XR1 XR1 TO IOB | 02250000 | | | 008C C0 87 0402 |
| TO GET AT SCA | 02100000 | 0042 4C 02 18 043C | 240 FMC \$IOBSSC(3,1),XRF LCS MOVE SSS OF LCS TO IOB | 02260000 | | | 0090 75 02 07 |
| R2 | 02110000 | 0047 7C 00 08 | 241 MVI \$IOBDMBC(1),ZERO RESET IOB TO ONLY READ 1 SECTOR | 02270000 | | | 0093 80 01 01 04 |
| TO GET F1 | 02120000 | 004A 7C A1 03 | 242 MVI \$IOBDCMD(1),%FDREAD SET TO READ FD | 02280000 | | | 0098 C0 81 01BE |
| CESS | 02130000 | 0040 C0 87 0402 | 243 B XRFIOS GO READ 1ST SECTOR OF DIR. (LCS) | 02290000 | | | |
| OF LIB MEMBERS | 02140000 | 0051 75 02 07 | 244 L \$IOBDDAT(1),2 R2---> TO LCS | 02300000 | | | |
| RY DIR | 02150000 | 0054 BB 88 00 | 245 SBF 0(,2),LCSOXRF+LCSYSYGEN SET OFF RUN XRF & SYSGEN BITS | 02310000 | | | |
| N | 02160000 | 0057 7C A2 03 | 246 MVI \$IOBDCMD(1),%FWRITE SET TO WRITE FD | 02320000 | | | |
| | | 005A C0 87 0402 | 247 B XRFIOS GO WRITE BACK UPDATED LCS | 02330000 | | | |
| | | 005E 7C A1 03 | 248 MVI \$IOBDCMD(1),%FDREAD SET IOB BACK FOR READ | 02340000 | | | 009C 8D D6 00 |
| | | 0061 7C 03 08 | 249 MVI \$IOBDMBC(1),THREE SET IOB TO READ 4 SECTORS | 02350000 | | | 009F C0 84 01BE |
| | | 0064 4C 02 18 0442 | 250 FMC \$IOBSSC(3,1),XRFDIR SET DISK ADDR TO START OF DIR | 02360000 | | | |
| | | | 252 * SET OFF NEED TO RUN **XRF INDICATOR IN JCB | 02380000 | | | 00A3 88 80 13 |
| | | | 253 * IF DURING IPL, THERE IS NO JCB | 02390000 | | | 00A6 F2 90 E6 |
| | | | 254 * IF NOT DURING IPL AND IF BALBOA IS ON SYSTEM, A BIT IS SET TO | 02400000 | | | 00A9 88 40 1A |
| | | | 255 * TELL EXTN TASK THAT OXRF HAS RUN AND THAT HIS WTG TABLE MUST | 02410000 | | | 00AC F2 10 E0 |
| | | | 256 * BE UPDATED | 02420000 | | | 00AF 8D 01 19 04 |
| | | 0069 F6 00 08 | 258 LPMR PRV+IARX TRANS N,N | 02440000 | | | 00B4 F2 81 D8 |
| | | 006C 38 10 005B | 259 TBN SCASYS1, SCAMIPL IPL DONE ? | 02450000 | | | |
| | | 0070 F2 90 16 | 260 JF XRF00030 NO - THERE IS NO JCB | 02460000 | | | |
| | | | 261 * SCB FUNC-GET, AREA-DRECT1, DISP-DICURJCB JCB ADDR IN XR2 | 02470000 | | | |
| | | 0073 F4 00 0F | 262 SVC SVCSQB, QO SCB GET/PUT SVC | | | | |
| | | 0076 10 | 0076 263 DC AL1CX'10'+0) FUNCTION BYTE | | | | |
| | | 0077 3E | 0077 264 DC AL1(DICURJCB) DISPLACEMENT BYTE | | | | |
| | | | 265 *** END OF EXPANSION ** | | | | |
| | | 0078 BB 40 02 | 267 SBF JCBDSCH1C, XR2), JCB**XREF XREF BIT IN JCB OFF | 02490000 | | | |
| | | 007B 38 80 0009 | 269 TBN SCADSSPF, SCAMKKKF BALBOA ACTIVE ON SYS ? aa220 | 02510000 | | | |
| | | 007F F2 90 07 | 270 JF XRF00030 NO - SKIP BALBOA PROC aa220 | 02520000 | | | |
| | | 0082 35 02 0008 | 271 L SCADKKKa, XR2 XR2 -> KKK COMM AREA aa220 | 02530000 | | | |
| | | 0086 BA 02 0A | 272 SBN KKKDFLAG(, XR2), KKK**OXRF TELL EXTN TASK OXRF RUN aa220 | 02540000 | | | |
| | | 0089 F6 00 0E | 273 XRF00030 LPMR PRV+IARX+OP1+OP2 TRANS Y,Y | 02550000 | | | |

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|----|---|-------------|---------------------------------|--------------------------------|
| 18 | 0007 1569 \$LGLTUB2 EQU 2 | \$LGDADDR+2 | SUBCONSOL TO FIELD FOR TYPE 2 | LENGTH OF TUB OR SUBCONSOL FLD |
| 19 | 0008 1570 \$LGLT2LN EQU | \$LGDADDR+1 | LENGTH OF TYPE 2 PARAMETER LIST | |
| 19 | 1572 * DATA RESPONSE EQUATES FOR TYPE 2R ONLY | | | |
| 20 | 0006 1574 \$LGD2DRL EQU | \$LGDADDR+1 | DATA RESPONSE LENGTH | |
| 20 | 0001 1575 \$LGL2DRL EQU | 1 | LENGTH | |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 9 | | V09/11/81 12/08/81 00:29 | | |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | | |
| 02180000 | 0275 | | | ***** | 02570000 | |
| 02190000 | 0276 | | | * | 02580000 | |
| 02200000 | 0277 | | | * READ ANOTHER BUFFER OF DIRECTORY ENTRIES. | 02590000 | |
| 02210000 | 0278 | | | * | 02600000 | |
| 02220000 | 0279 | | | ***** | 02610000 | |
| 02230000 | 008C | CO 87 | 0402 | 281 XRF00040 B XRFIOS | BRANCH TO READ DIRECTORY ENTRY | 02630000 |
| 02250000 | 0090 | 75 02 | 07 | 282 L \$I0BDDAT(,1),XR2 | XR2 --> BUFFER | 02640000 |
| 02260000 | 0093 | 8D 01 | 01 047C | 283 XRF00050 CLC 1(2,2),XRFEOT | Q.NO MORE DIR. ENTRIES ? | 02650000 |
| 02270000 | 0098 | CO 81 | 018E | 284 BE XRFPHAS2 | A.YES, BRANCH TO 2ND PHASE @@220 | 02660000 |
| 02290000 | 0285 | | | ***** | 02670000 | |
| 02300000 | 0286 | | | * | 02680000 | |
| 02310000 | 0287 | | | * BUILD RESIDENT TABLE OF ALL SCP LOAD MODULES ('0' TYPE) | 02690000 | |
| 02320000 | 0288 | | | * | 02700000 | |
| 02330000 | 0289 | | | ***** | 02710000 | |
| 02340000 | 009C | BD 06 | 00 | 291 CLI 0(,2),XRF0MDD | BEYOND THE '0' MODULES ? | 02730000 |
| 02350000 | 009F | CO 84 | 018E | 292 BH XRFPHAS2 | YES, BRANCH TO PHASE TWO @@220 | 02740000 |
| 02360000 | 00A3 | B8 80 | 13 | 293 TBN DIRATTR-2(,2),DIRSCP | SCP MODULE ? | 02750000 |
| 02380000 | 00A6 | F2 90 | E6 | 294 JF XRF00080 | NO - SKIP PROCESSING | 02760000 |
| 02390000 | 00A9 | B8 40 | 1A | 295 TBN DIRATTR4(,2),DIRPAD | PAD MODULE ? @@459 | 02770000 |
| 02400000 | 00AC | F2 10 | E0 | 296 JT XRF00080 | YES- SKIP PROCESSING @@459 | 02780000 |
| 02410000 | 00AF | 8D 01 | 19 047A | 297 XRF00060 CLC DIRTOTL(2,2),XRFEMPTY | ARE # ACTIVE SECTORS 0? | 02790000 |
| 02420000 | 00B4 | F2 81 | D8 | 298 JE XRF00080 | YES-THIS IS A DELETED MODULE | 02800000 |

A12

#MAXRF CROSS-REFERENCE RESOLVER

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|-------------|-----------|------|------------------|--|
| 0087 | C2 01 | 0C60 | | | |
| 0088 | 6C 03 | 03 05 | | | |
| 008F | 8D 03 | 05 0449 | | | |
| 00C4 | F2 01 | 10 | | | |
| 00C7 | 2C 03 | 0475 0C | | | |
| 00CC | 2C 00 | 0476 11 | | | |
| 00D1 | 0E 02 | 0474 043F | | | |
| 00D7 | 8D 03 | 05 0440 | | | |
| 00DC | F2 01 | 10 | | | |
| 00DF | 2C 03 | 0488 0C | | | |
| 00E4 | 2C 00 | 048D 11 | | | |
| 00E9 | 0E 02 | 0487 043F | | | |
| 00EF | 8D 03 | 05 0451 | | | |
| 00F4 | F2 01 | 0B | | | |
| 00F7 | 2C 02 | 0468 0B | | | |
| 00FC | 0E 02 | 0468 043F | | | |
| 0102 | 8D 03 | 05 0455 | | | |
| 0107 | F2 01 | 0B | | | |
| 010A | 2C 02 | 0468 0B | | | |
| 010F | 0E 02 | 0468 043F | | | |
| 0115 | 8D 03 | 05 0459 | | | |
| 011A | F2 01 | 0B | | | |
| 011D | 2C 02 | 0468 0B | | | |
| 0122 | 0E 02 | 0468 043F | | | |
| 0128 | 8D 03 | 05 0450 | | | |
| 012D | F2 01 | 0B | | | |
| 013C | 2C 02 | 046E 0B | | | |
| 0135 | 0E 02 | 046E 043F | | | |
| 0138 | 8D 03 | 05 0461 | | | |
| 0140 | F2 01 | 0B | | | |
| 0143 | 2C 02 | 0471 0B | | | |
| 0148 | 0E 02 | 0471 043F | | | |

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| AGE 9 V09/11/81 12/08/81 00:29 |
| ***** 02570000 |
| * 02580000 |
| * 02590000 |
| * 02600000 |
| ***** 02610000 |
| RY ENTRY 02630000 |
| 02640000 |
| 02650000 |
| 02660000 |
| ***** 02670000 |
| * 02680000 |
| * 02690000 |
| * 02700000 |
| ***** 02710000 |
| ? 02730000 |
| NO @@220 02740000 |
| 02750000 |
| 02760000 |
| @@459 02770000 |
| @@459 02780000 |
| ? 02790000 |
| MODULE 02800000 |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|----------------------|------|----------|---|----------------------------------|
| 01 | | | | MAXRF CROSS-REFERENCE RESOLVER | PAGE 10 V09/11/81 12/08/81 00:29 |
| 02 | | 300 | | ***** | 02820000 |
| | | 301 | * | | 02830000 |
| 03 | | 302 | * | ON ENTRY TO MAXRF, THE NEXT INSTRUCTION LOADS THE ADDRESS | 02840000 |
| | | 303 | * | OF THE BEGINNING OF THE RESIDENT TABLE BEING BUILT. THE INSTRUCTION | 02850000 |
| | | 304 | * | IS LATER MODIFIED TO POINT TO THE NEXT AVAILABLE TABLE ENTRY | 02860000 |
| 04 | | 305 | * | LOCATION ADDRESS. | 02870000 |
| | | 306 | * | | 02880000 |
| | | 307 | | ***** | 02890000 |
| 05 | 00B7 C2 01 0C60 | 309 | XRF00062 | LA XRFRTABLE,1 XRI --> RESIDENT TABLE | 02910000 |
| | 00BB 6C 03 03 05 | 310 | MVC | XRFDIR25(4,1),XRFDIR25(2) MOVE IN CHARACTERS 2-5 | 02920000 |
| | 00BF 8D 03 05 0449 | 311 | CLC | XRFDIR25(4,2),XRFNP Q.IS THIS THE NO-OP MODULE? | 02930000 |
| 06 | 00C4 F2 01 10 | 312 | JNE | XRF00064 NO, GO CHECK FOR MAXNT @@214 | 02940000 |
| | 00C7 2C 03 0475 0C | 313 | MVC | XRFNP@TX(4),DIR@TXT(2) YES, SAVE NO-OP'S SSS & # TEXT | 02950000 |
| | 00CC 2C 00 0476 11 | 314 | MVC | XRFNPRLD(1),DIRRLD(2) SAVE RLD FOR NO-OP | 02960000 |
| | 00D1 0E 02 0474 043F | 315 | ALC | XRFNPSSS(3),XRFLIB@ CHANGE ADDRESS FROM RELATIVE TO | 02970000 |
| | | 316 | * | ACTUAL ADDRESS OF NO-OP MODULE | 02980000 |
| 08 | 00D7 8D 03 05 044D | 317 | XRF00064 | CLC XRFDIR25(4,2),XRFNNT TRANSFER TBL UPDATE MOD ? @214 | 02990000 |
| | 00DC F2 01 10 | 318 | JNE | XRF00066 NO, GO CHECK FOR #FCPF @214 | 03000000 |
| 09 | 00DF 2C 03 0488 0C | 319 | MVC | XRFLOAD+\$LDTEXT,DIR@TXT(4,2) YES, SAVE SSSN @214 | 03010000 |
| | 00E4 2C 00 048D 11 | 320 | MVC | XRFLOAD+\$LDORLD,DIRRLD(1,2) SAVE RLD FOR MAXNT @214 | 03020000 |
| | 00E9 0E 02 0487 043F | 321 | ALC | XRFLOAD+\$LDSSS(3),XRFLIB@ CHANGE SSS TO @214 | 03030000 |
| | | 322 | * | ACTUAL ADDRESS OF MAXNT @214 | 03040000 |
| 10 | 00EF 8D 03 05 0451 | 323 | XRF00066 | CLC XRFDIR25(4,2),XRFNP IS IT THE FORMAT INDEX MODULE ? | 03050000 |
| | 00F4 F2 01 08 | 324 | JNE | XRF00068 NO, GO CHECK FOR 2ND FORMAT MOD | 03060000 |
| | 00F7 2C 02 0468 0B | 325 | MVC | XRFPCSSS(3),DIRADDR(2) YES, SAVE #FCPF'S DISK ADDR | 03070000 |
| | 00FC 0E 02 0468 043F | 326 | ALC | XRFPCSSS(3),XRFLIB@ CHANGE ADDRESS FROM RELATIVE TO | 03080000 |
| | | 327 | * | ACTUAL ADDRESS OF #FCPF | 03090000 |
| 12 | 0102 8D 03 05 0455 | 328 | XRF00068 | CLC XRFDIR25(4,2),XRFCC IS IT THE 2ND FORMAT INDEX MOD ? | 03100000 |
| | 0107 F2 01 08 | 329 | JNE | XRF00069 NO, GO CHECK OPT MOD @238 | 03110000 |
| 13 | 010A 2C 02 0468 0B | 330 | MVC | XRFCCSSS(3),DIRADDR(2) YES, SAVE #FCCF'S DISK ADDR | 03120000 |
| | 010F 0E 02 0468 043F | 331 | ALC | XRFCCSSS(3),XRFLIB@ CHANGE ADDRESS FROM RELATIVE TO | 03130000 |
| | | 332 | * | ACTUAL ADDRESS OF #FCCF | 03140000 |
| 14 | 0115 8D 03 05 0459 | 333 | XRF00069 | CLC XRFDIR25(4,2),XRCCA IS IT SUBCON OPT FRMT MOD? @238 | 03150000 |
| | 011A F2 01 08 | 334 | JNE | XRF0006A NO - CHECK FOR 3RD FORMAT @220 | 03160000 |
| 15 | 011D 2C 02 0468 0B | 335 | MVC | XRFCCSSS(3),DIRADDR(2) YES, SAVE #CC@FMT'S DISK @ @238 | 03170000 |
| | 0122 0E 02 0468 043F | 336 | ALC | XRFCCSSS(3),XRFLIB@ CHANGE @ FROM RELATIVE TO @238 | 03180000 |
| | | 337 | * | ACTUAL ADDRESS OF #CC@FMT @238 | 03190000 |
| | 0128 8D 03 05 045D | 338 | XRF0006A | CLC XRFDIR25(4,2),XRBCP IS IT THE 3RD FORMAT MOD ? @220 | 03200000 |
| | 012D F2 01 08 | 339 | JNE | XRF0006C NO - CHECK FOR 4TH FORMAT @220 | 03210000 |
| 17 | 0130 2C 02 046L 0B | 340 | MVC | XRBCPSSS(3),DIRADDR(2) YES, SAVE #BCPF'S DISK @ @220 | 03220000 |
| | 0135 0E 02 046E 043F | 341 | ALC | XRBCPSSS(3),XRFLIB@ CHANGE SSS FROM RELATIVE @220 | 03230000 |
| | | 342 | * | TO ACTUAL SSS OF #BCPF @220 | 03240000 |
| 18 | 013B 8D 03 05 0461 | 343 | XRF0006C | CLC XRFDIR25(4,2),XRBCB IS IT THE 4TH FORMAT MOD ? @220 | 03250000 |
| | 0140 F2 01 08 | 344 | JNE | XRF0006E NO, GO CHECK FOR OPT MOD @220 | 03260000 |
| 19 | 0143 2C 02 0471 0B | 345 | MVC | XRBCSSS(3),DIRADDR(2) YES, SAVE #BCCF'S DISK @ @220 | 03270000 |
| | 0148 0E 02 0471 043F | 346 | ALC | XRBCSSS(3),XRFLIB@ CHANGE SSS FROM RELATIVE @220 | 03280000 |

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| MAXRF CROSS-REFEREN |
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000F 1632 KKKDRTUN EQU KKKDRTUN+1 REMAINDER OF TWA TRACK
 1633 *
 0010 1634 KKKMLENG EQU KKKDRTUN+1 . LENGTH OF IGC COM1 AREA
 1635 *
 1636 *** END OF EXPANSION **

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| 10 | V09/11/81 | 12/08/81 | 00:29 |
| ***** | 02820000 | | |
| * | 02830000 | | |
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| CTION * | 02850000 | | |
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| * | 02870000 | | |
| * | 02880000 | | |
| ***** | 02890000 | | |
| | 02910000 | | |
| | 02920000 | | |
| E? | 02930000 | | |
| aa214 | 02940000 | | |
| TEXT | 02950000 | | |
| | 02960000 | | |
| VE TO | 02970000 | | |
| ODULE | 02980000 | | |
| aa214 | 02990000 | | |
| aa214 | 03000000 | | |
| aa214 | 03010000 | | |
| aa214 | 03020000 | | |
| aa214 | 03030000 | | |
| aa214 | 03040000 | | |
| ULE ? | 03050000 | | |
| AT MOD | 03060000 | | |
| | 03070000 | | |
| RDR | 03070000 | | |
| VE TO | 03080000 | | |
| | 03090000 | | |
| MOD ? | 03100000 | | |
| aa238 | 03110000 | | |
| | 03120000 | | |
| RDR | 03120000 | | |
| VE TO | 03130000 | | |
| | 03140000 | | |
| aa238 | 03150000 | | |
| aa220 | 03160000 | | |
| | 03170000 | | |
| aa238 | 03170000 | | |
| aa238 | 03180000 | | |
| aa238 | 03190000 | | |
| aa220 | 03200000 | | |
| aa220 | 03210000 | | |
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| aa220 | 03220000 | | |
| aa220 | 03230000 | | |
| aa220 | 03240000 | | |
| aa220 | 03250000 | | |
| aa220 | 03260000 | | |
| | 03270000 | | |
| aa220 | 03280000 | | |

| **XRF CROSS-REFERENCE RESOLVER | | PAGE 11 V09/11/81 12/08/81 00:29 | |
|--------------------------------|----------------------|---|---|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 347 * | TO ACTUAL SSS OF #BCCF aa220 03290000 |
| | 014E 8D 03 05 0465 | 348 XRF0006E CLC XRFDIR25(4,2),XRCC\$ | IS IT SUBCON OPT FRMT MOD? aa220 03300000 |
| | 0153 F2 01 08 | 349 JNE XRF00070 | NO, MOVE INFO TO RSDNT TBL aa220 03310000 |
| 03 | | 0156 2C 02 0471 08 | 350 MVC XR8CCSSS(3),DIRADDR(,2) YES, SAVE #CCSFMT'S DISK @ aa220 03320000 |
| | 015B 0E 02 0471 043F | 351 ALC XR8CCSSS(3),XRF1B@ | CHANGE @ FROM RELATIVE TO aa220 03330000 |
| 04 | | 352 * | ACTUAL ADDRESS OF #CCSFMT aa220 03340000 |
| | 0161 6C 00 08 11 | 353 XRF00070 MVC XRFXRRLD(1,1),DIRRLD(,2) | MOVE RLD INTO TABLE 03350000 |
| | 0165 6C 03 07 0C | 354 MVC XRFXRSS*(4,1),DIR*TXTC(,2) | MOVE #TXT AND SS ADDRESS INTO TABLE 03360000 |
| 05 | | 355 * | 03370000 |
| 06 | | | 0169 7C 00 09 |
| | | | 016C 88 01 14 |
| 06 | | | 016F F2 90 03 |
| 07 | | | 0172 7A 01 09 |
| | | | 0175 88 20 14 |
| 07 | | | 0178 F2 90 03 |
| 08 | | | 017B 7A 20 09 |
| | | | 017E 4E 02 06 043F |
| 08 | | | 0183 4C 01 08 047C |
| | | | 0188 D2 01 0A |
| 09 | | | 018B 34 01 00BA |

A14

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| 18 | 0029 1684 SVCSQ EQU X'29' | SECTOR ENQUEUE/DEQUEUE |
| | 002A 1685 SVCMOVEI EQU X'2A' | MOVE DATA BY ID |
| | 002B 1686 SVCPOSTI EQU X'2B' | POST TASK BY ID |
| | 002C 1687 SVCQWAIT EQU X'2C' | QUIESCE COUNTER WAIT |
| 19 | 002D 1688 SVCXAF EQU X'2D' | TRANSLATED ASSIGN/FREE |
| | 002E 1689 SVCTOD EQU X'2E' | RETURN TIME-OF-DAY IN TIMER UNITS |
| | 1690 * | |
| 20 | 1691 * *-INDICATES NOT USEABLE FROM MAIN STORE | |

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| V09/11/81 12/08/81 00:29 | |
| 220 | 03290000 |
| 220 | 03300000 |
| 220 | 03310000 |
| 220 | 03320000 |
| 220 | 03330000 |
| 220 | 03340000 |
| | 03350000 |
| | 03360000 |
| | 03370000 |

| 01 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
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| 02 | | | 357 | | ***** | 03390000 |
| | | | 358 | * | * | 03400000 |
| 03 | | | 359 | * | CHECK TO SEE IF EITHER XRF ATTRIBUTE BIT IS ON -- YES, THE MODULE IS* | 03410000 |
| | | | 360 | * | XRFABLE --- NO, THE MODULE IS NOT. SET THE WTG TABLE INDICATOR * | 03420000 |
| | | | 361 | * | OR/AND THE FORMAT INDEX TABLE INDICATOR ON. * | 03430000 |
| 04 | | | 362 | * | * | 03440000 |
| | | | 363 | | ***** | 03450000 |
| 05 | 0169 7C 00 09 | | 365 | MVI | XRFXRWTG(,1),ZERO | 03470000 |
| | 016C 88 01 14 | | 366 | TBN | DIRATTR-1(,2),DIRXRF | 03480000 |
| | | | 367 | * | | 03490000 |
| 06 | 016F F2 90 03 | | 368 | JF | XRF00072 | 03500000 |
| | 0172 7A 01 09 | | 369 | SBN | XRFXRWTG(,1),DIRXRF | 03510000 |
| 07 | 0175 88 20 14 | | 370 | XRF00072 TBN | DIRATTR-1(,2),DIRXRFXT | 03520000 |
| | | | 371 | * | | 03530000 |
| | 0178 F2 90 03 | | 372 | JF | XRF00075 | 03540000 |
| 08 | 017B 7A 20 09 | | 373 | SBN | XRFXRWTG(,1),DIRXRFXT | 03550000 |
| | 017E 4E 02 06 043F | | 374 | XRF00075 ALC | XRF0XRSS(3,1),XRFLIBA | 03560000 |
| | | | 375 | * | | 03570000 |
| 09 | 0183 4C 01 08 047C | | 376 | MVC | XRFXRNEX+1(2,1),XRFEOT | 03580000 |
| | 0188 D2 01 0A | | 377 | LA | XRFXRNEX(,1),1 | 03590000 |
| | 018B 34 01 00BA | | 378 | ST | XRF00062+3,1 | 03600000 |

| 01 | ERR LOC | OBJECT CODE | ADDR |
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| 03 | | | |
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| | 018F E2 02 1C | | |
| 05 | | | 0192 34 02 0432 |
| | | | 0196 00 00 0432 042C |
| 06 | | | 019C C0 01 0093 |
| 07 | | | 01A0 E2 02 04 |
| | | | 01A3 34 02 0432 |
| | | | 01A7 00 01 0432 0430 |
| 08 | | | 01AD C0 82 0093 |
| 09 | | | 0181 C2 01 0400 |
| | | | 01B5 4E 02 18 0439 |
| | | | 01BA C0 87 008C |

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| ***** | 03390000 |
| * | 03400000 |
| THE MODULE IS* | 03410000 |
| INDICATOR * | 03420000 |
| * | 03430000 |
| * | 03440000 |
| ***** | 03450000 |
| OFF | 03470000 |
| E IF | 03480000 |
| | 03490000 |
| | 03500000 |
| ATOR ON | 03510000 |
| TO SEE IF | 03520000 |
| INDEX TABLE | 03530000 |
| INDEX TABLE | 03540000 |
| INDICATOR | 03550000 |
| RELATIVE TO | 03560000 |
| THE MODULE | 03570000 |
| R FOR NOW. | 03580000 |
| ENTRY LOC. | 03590000 |
| Y LOC ADDR. | 03600000 |

| ERR LOC OBJECT CODE | | ADDR STMT | | SOURCE STATEMENT | | ERR LOC OBJECT CODE | |
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| 01 | | | | | | | |
| 02 | | 380 | | ***** | | 03620000 | |
| | | 381 | * | * | | 03630000 | |
| 03 | | 382 | * | THIS SECTION OF CODE RETRIEVES THE NEXT DIRECTORY ENTRY. | * | 03640000 | |
| | | 383 | * | END OF SECTOR AND END OF BUFFER CONDITIONS ARE HANDLED. | * | 03650000 | |
| | | 384 | * | * | * | 03660000 | |
| 04 | | 385 | | ***** | | 03670000 | |
| | 018F E2 02 1C | 387 | XRF00080 | LA XRFIRNEXC,XR2),XR2 | INCR TO NEXT DIR ENTRY IN BUFFER | 03690000 | |
| | 0192 34 02 0432 | 388 | | ST XRFWRK,XR2 | STORE POINTER | 03700000 | |
| 05 | | 389 | * | | CHECK LAST BYTE OF BUFFER ADDR FOR END OF SECTOR | 03710000 | |
| | 0196 0D 00 0432 042C | 390 | CLC | XRFWRK(1),XRFEND | Q.NEXT DIR ENTRY IN SECTOR ? | 03720000 | |
| | 019C C0 01 0093 | 391 | BNE | XRF00050 | A.YES, LOOP BACK THRU | 03730000 | |
| 06 | | 392 | * | END OF SECTOR | | 03740000 | |
| | 01A0 E2 02 04 | 393 | LA | XRFIRPADC,XR2),XR2 | BUMP PAST DIRECTORY PADDING | 03750000 | |
| | 01A3 34 02 0432 | 394 | ST | XRFWRK,XR2 | STORE POINTER | 03760000 | |
| 07 | | 01A7 0D 01 0432 0430 | 395 | CLC | XRFWRK(2),XRFNBUB | END OF BUFFER ? | 03770000 |
| | 01AD C0 82 0093 | 396 | BL | XRF00050 | NO, LOOP BACK THRU | 03780000 | |
| 08 | | 397 | * | END OF BUFFER | | 03790000 | |
| | 01B1 C2 01 040D | 398 | LA | XRFIOB,XR1 | GET IOB ADDRESS. | 03800000 | |
| | 01B5 4E 02 18 0439 | 399 | ALC | \$IOBDS(3,XR1),XRFUPDAT | UPDATE TO NEXT 4 SECTORS OF DIR | 03810000 | |
| 09 | | 01BA C0 87 008C | 400 | B | XRF00040 | GO READ NEXT 4 SECTORS OF DIR | 03820000 |
| 10 | | | | | | | |
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| ERR LOC OBJECT CODE | |
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| 06 | 01BE 35 01 042E 01C2 7C FF 00 |
| 07 | 01C5 C2 01 040D 01C9 7C 01 08 |
| 08 | 01CC 4C 02 18 04 01D1 C0 87 0402 |
| 09 | 01D5 C2 01 0408 01D9 C2 02 0860 01DD 8D FF 00 01E0 F2 81 13 |
| 11 | 01E3 6C 06 06 0E 01E7 4E 02 02 04 01EC D2 01 07 01EF E2 02 10 01F2 C0 87 01DD |
| 13 | 01F6 0D 02 0468 01FC F2 81 2E |
| 14 | 01FF C2 01 040D |
| 15 | 0203 4C 02 18 04 0208 C0 87 0402 |
| 16 | 020C C2 01 0588 0210 C2 02 0860 0214 8D FF 00 0217 F2 81 13 |
| 18 | 021A 6C 06 06 0E 021E 4E 02 02 04 0223 D2 01 07 0226 E2 02 10 0229 C0 87 0214 |
| 19 | |
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|----|------------------------------|---------------------------|
| 17 | 0014 1778 RPRALGN EQU X'14' | PRINTER ALIGNMENT |
| 18 | 0015 1779 RCPRT EQU X'15' | COMMAND PROCESSOR ROUTER |
| 18 | 0016 1780 RLOPEN EQU X'16' | LIMITS OPEN |
| 18 | 0017 1781 RWSDM EQU X'17' | USER WSDM REQUEST |
| 18 | 0018 1782 RSWSDM EQU X'18' | SYSTEM WSDM REQUEST |
| 19 | 0019 1783 RFINDLIB EQU X'19' | USER LIBRARY FIND REQUEST |
| 19 | 001A 1784 RAFA EQU X'1A' | AFA ACCESS TRANSIENT |
| 19 | 001B 1785 RSPool EQU X'1B' | SPOOL INTERCEPT REQUEST |
| 20 | 001C 1786 RSPALC EQU X'1C' | SPOOL ALLOCATE REQUEST |

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| PAGE 13 | V09/11/81 | 12/08/81 | 00:29 |
| ***** | 03620000 | | |
| * | 03630000 | | |
| * | 03640000 | | |
| * | 03650000 | | |
| * | 03660000 | | |
| ***** | 03670000 | | |
| RY IN BUFFER | 03690000 | | |
| | 03700000 | | |
| CTOR | 03710000 | | |
| SECTOR ? | 03720000 | | |
| J | 03730000 | | |
| | 03740000 | | |
| PADDING | 03750000 | | |
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| S OF DIR | 03820000 | | |

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| #XRF CROSS-REFERENCE RESOLVER | | | | PAGE 14 | V09/11/81 | 12/08/81 | 00:29 |
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | |
| 01 | | | | | | | |
| 02 | | 01BE | 402 | XRFPHAS2 EQU * | | 03840000 | |
| | | | 403 | ***** | | 03850000 | |
| | | | 404 | * | | 03860000 | |
| 03 | | | 405 | * BUILD AN IN-CORE FORMAT INDEX TABLE FROM THE INDEX SECTORS OF | | 03870000 | |
| | | | 406 | * ##FCPF & ##FCCF (2ND MAY NOT BE PRESENT), OR ##CCFMT (OPTIONAL | | 03880000 | |
| | | | 407 | * FORMAT MEMBER FOR SUBCONSOLE. | | 03890000 | |
| 04 | | | 408 | * FOR BALBOA ALSO USE FORMAT MODULES ##BCPF AND ##BCCF AND | aa220 * | 03900000 | |
| | | | 409 | * ##CCFMT FOR OPTIONAL SUBCONSOLE. | aa220 * | 03910000 | |
| 05 | | | 410 | * WILL BE USED TO FILL IN FORMAT INDEX TABLE IN CP SCP MODULES. | | 03920000 | |
| | | | 411 | * | | 03930000 | |
| | | | 412 | ***** | | 03940000 | |
| 06 | | 01BE 35 01 042E | 414 | XRF00090 L XRFBFMTE,XR1 | XR1 -> PAST 2ND SECTOR | 03960000 | |
| | | 01C2 7C FF 00 | 415 | MVI OC,XR1),ALLBIT | FF AT END OF 2ND INDEX | 03970000 | |
| | | | 416 | * | SECTOR FOR STOPPER IF ANY FORMAT | aa220 | |
| | | | 417 | * | MODULE IS FULL (32 ENTRIES) | | |
| 07 | | 01C5 C2 01 040D | 418 | LA XRFIOB,XR1 | XR1 -> IOB | 04000000 | |
| | | 01C9 7C 01 08 | 419 | MVI \$IOBDNB(XR1),ONE | SET TO READ 2 SECTORS | 04010000 | |
| 08 | | 01CC 4C 02 18 0468 | 420 | MVC \$IOBDSS(3,XR1),XRFPCSSS | DISK ADDR OF ##FCPF | 04020000 | |
| | | 01D1 C0 87 0402 | 421 | B XRFIOS | READ INTO WORK BUFFER | 04030000 | |
| 09 | | 01D5 C2 01 0408 | 422 | LA XRFMTAB1,XR1 | XR1 -> 1ST IN-CORE INDEX | 04040000 | |
| | | 01D9 C2 02 0860 | 423 | LA XRFBUFF,XR2 | XR2 -> START OF WORK BUFFER | 04050000 | |
| | | 01DD BD FF 00 | 424 | XRF00092 CLI OC,XR2),ALLBIT | END OF INDEX ENTRIES ? | 04060000 | |
| 10 | | 01E0 F2 81 13 | 425 | JE XRF00095 | YES - 1ST IN-CORE INDEX | 04070000 | |
| | | | 426 | * | IS BUILT | 04080000 | |
| 11 | | 01E3 6C 06 06 0E | 427 | MVC FMTINL(7,XR1),FMTTDL(XR2) | MOVE FROM BUFFER TO TABLE | 04090000 | |
| | | 01E7 4E 02 02 0468 | 428 | ALC FMTSSS(3,XR1),XRFPCSSS | MAKE DISK ADDR ACTUAL | 04100000 | |
| | | 01EC D2 01 07 | 429 | LA FMTINL+1(XR1),XR1 | XR1 -> NEXT IN-CORE ENTRY | 04110000 | |
| 12 | | 01EF E2 02 10 | 430 | LA FMTRSV+1(XR2),XR2 | XR2 -> NEXT BUFFER ENTRY | 04120000 | |
| | | 01F2 C0 87 010D | 431 | B XRF00092 | LOOP FOR NEXT ENTRY | 04130000 | |
| 13 | | 01F6 0D 02 0468 047A | 432 | XRF00095 CLC XRFCCSSS(3),XRFEMPTY | 2ND FORMAT MODULE ? | 04140000 | |
| | | 01FC F2 81 2E | 433 | JE XRF00098 | NO - CONTINUE | 04150000 | |
| 14 | | 01FF C2 01 040D | 434 | LA XRFIOB,XR1 | YES - GET ##FCCF OR ##CCFMT | 04160000 | |
| | | | 435 | * | XR1 ->IOB | 04170000 | |
| | | 0203 4C 02 18 0468 | 436 | MVC \$IOBDSS(3,XR1),XRFCCSSS | YES - READ ITS INDEX | 04180000 | |
| 15 | | 0208 C0 87 0402 | 437 | B XRFIOS | READ INDEX TO BUFFER | 04190000 | |
| | | 020C C2 01 05BB | 438 | LA XRFMTAB2,XR1 | XR1 -> 2ND IN-CORE INDEX | 04200000 | |
| 16 | | 0210 C2 02 0860 | 439 | LA XRFBUFF,XR2 | XR2 -> START OF WORK BUFF | 04210000 | |
| | | 0214 BD FF 00 | 440 | XRF00096 CLI OC,XR2),ALLBIT | END OF INDEX ENTRIES ? | 04220000 | |
| | | 0217 F2 81 13 | 441 | JE XRF00098 | YES - 2ND IN-CORE INDEX | 04230000 | |
| 17 | | | 442 | * | IS BUILT | 04240000 | |
| 18 | | 021A 6C 06 06 0E | 443 | MVC FMTINL(7,XR1),FMTTDL(XR2) | MOVE FROM BUFFER TO TABLE | 04250000 | |
| | | 021E 4E 02 02 0468 | 444 | ALC FMTSSS(3,XR1),XRFCCSSS | MAKE DISK ADDR ACTUAL | 04260000 | |
| | | 0223 D2 01 07 | 445 | LA FMTINL+1(XR1),XR1 | XR1 -> NEXT IN-CORE ENTRY | 04270000 | |
| 19 | | 0226 E2 02 10 | 446 | LA FMTRSV+1(XR2),XR2 | XR2 -> NEXT BUFFER ENTRY | 04280000 | |
| | | 0229 C0 87 0214 | 447 | B XRF00096 | LOOP FOR NEXT ENTRY | 04290000 | |

A17

| | | | |
|-------------------|-------------|-------------------|--|
| #XRF CROSS-REFERE | | | |
| ERR LOC | OBJECT CODE | | |
| 01 | | | |
| 02 | | | |
| 03 | | | |
| 04 | | 022D 0D 02 046E 0 | |
| | | 0233 F2 81 2E | |
| 05 | | 0236 C2 01 040D | |
| | | 023A 4C 02 18 046 | |
| 06 | | 023F C0 87 0402 | |
| | | 0243 C2 01 0698 | |
| 07 | | 0247 C2 02 0860 | |
| | | 0248 BD FF 00 | |
| 08 | | 024E F2 81 13 | |
| | | 0251 6C 06 06 0E | |
| 09 | | 0255 4E 02 02 046 | |
| | | 025A D2 01 07 | |
| | | 025D E2 02 10 | |
| 10 | | 0260 C0 87 0248 | |
| | | 0264 0D 02 0471 0 | |
| 11 | | 026A F2 81 2E | |
| 12 | | 026D C2 01 040D | |
| | | 0271 4C 02 18 047 | |
| 13 | | 0276 C0 87 0402 | |
| | | 027A C2 01 0778 | |
| 14 | | 027E C2 02 0860 | |
| | | 0282 BD FF 00 | |
| 15 | | 0285 F2 81 13 | |
| | | 0288 6C 06 06 0E | |
| 16 | | 028C 4E 02 02 047 | |
| | | 0291 D2 01 07 | |
| 17 | | 0294 E2 02 10 | |
| | | 0297 C0 87 0282 | |
| 18 | | 029B 3C 03 0415 | |

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|----------------|-----------|----------|-------|
| PAGE 14 | V09/11/81 | 12/08/81 | 00:29 |
| ***** | 03840000 | | |
| ***** | 03850000 | | |
| ***** | 03860000 | | |
| FACTORS OF | 03870000 | | |
| OPTIONAL | 03880000 | | |
| ***** | 03890000 | | |
| AND | 03900000 | | |
| aa220 | 03910000 | | |
| MODULES. | 03920000 | | |
| ***** | 03930000 | | |
| ***** | 03940000 | | |
| 2ND SECTOR | 03960000 | | |
| 2ND INDEX | 03970000 | | |
| FORMAT | 03980000 | | |
| aa220 | 03990000 | | |
| (S) | 04000000 | | |
| 2 SECTORS | 04010000 | | |
| ##FCPF | 04020000 | | |
| ARK BUFFER | 04030000 | | |
| IN-CORE INDEX | 04040000 | | |
| OF WORK BUFFER | 04050000 | | |
| ENTRIES ? | 04060000 | | |
| -CORE INDEX | 04070000 | | |
| ***** | 04080000 | | |
| FFER TO TABLE | 04090000 | | |
| OR ACTUAL | 04100000 | | |
| IN-CORE ENTRY | 04110000 | | |
| BUFFER ENTRY | 04120000 | | |
| T ENTRY | 04130000 | | |
| MODULE ? | 04140000 | | |
| E | 04150000 | | |
| FCF OR ##CCFMT | 04160000 | | |
| ***** | 04170000 | | |
| TS INDEX | 04180000 | | |
| D BUFFER | 04190000 | | |
| IN-CORE INDEX | 04200000 | | |
| OF WORK BUFF | 04210000 | | |
| ENTRIES ? | 04220000 | | |
| -CORE INDEX | 04230000 | | |
| ***** | 04240000 | | |
| FFER TO TABLE | 04250000 | | |
| OR ACTUAL | 04260000 | | |
| IN-CORE ENTRY | 04270000 | | |
| BUFFER ENTRY | 04280000 | | |
| ENTRY | 04290000 | | |

| #MAXRF CROSS-REFERENCE RESOLVER | | | | PAGE 15 V09/11/81 12/08/81 00:29 | | | |
|---------------------------------|----------------------|------|----------|---|---------------------------|------------------------|----------------|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | |
| 02 | | 449 | ***** | | | 04310000 | |
| 02 | | 450 | * | | | 04320000 | |
| 03 | | 451 | * | NDW PROCESS 3RD AND 4TH FORMAT MODULES - ##BCPF AND ##BCCF OR | | 04330000 | |
| 03 | | 452 | * | ##CCFMT IF SUBCONSOLES ARE ACTIVE. | | 04340000 | |
| 03 | | 453 | * | | | 04350000 | |
| 04 | | 454 | ***** | | | 04360000 | |
| 04 | 022D 0D 02 046E 047A | 456 | XRF00098 | CLC | XRBCPSSS(3),XRFEMPTY | 3RD FORMAT MODULE ? | aa220 04380000 |
| 04 | 0233 F2 81 2E | 457 | | JE | XRF0009C | NO - CONTINUE | aa220 04390000 |
| 05 | 0236 C2 01 040D | 458 | | LA | XRF10B,XR1 | YES - GET ##BCPF, | aa220 04400000 |
| 06 | 023A 4C 02 18 046E | 459 | | MVC | \$10BDSS(3,XR1),XRBCPSSS | YES - READ ITS INDEX | aa220 04410000 |
| 06 | 023F C0 87 0402 | 460 | | B | XRF10S | READ INDEX TO BUFFER | aa220 04420000 |
| 07 | 0243 C2 01 0698 | 461 | | LA | XRFMTAB3,XR1 | XR1 -> 3RD IN-CORE IX | aa220 04430000 |
| 07 | 0247 C2 02 0860 | 462 | | LA | XRFBUFF,XR2 | XR2 -> START OF BUFF | aa220 04440000 |
| 07 | 0248 BD FF 00 | 463 | XRF0009A | CLI | 0C,XR2),ALLBIT | END OF INDEX ENTRIES ? | aa220 04450000 |
| 08 | 024E F2 81 13 | 464 | | JE | XRF0009C | YES - 3RD IN-CORE | aa220 04460000 |
| 09 | | 465 | * | | | INDEX IS BUILT | aa220 04470000 |
| 09 | 0251 6C 06 06 0E | 466 | | MVC | FMTINL(7,XR1),FMTTDL(XR2) | MOVE FROM BUFF TO TBL | aa220 04480000 |
| 09 | 0255 4E 02 02 046E | 467 | | ALC | FMTSSS(3,XR1),XRBCPSSS | MAKE DISK ADDR ACTUAL | aa220 04490000 |
| 09 | 025A D2 01 07 | 468 | | LA | FMTINL+1(XR1),XR1 | XR1 ->NEXT IN-CORE | aa220 04500000 |
| 10 | 025D E2 02 10 | 469 | | LA | FMTRSV+1(XR2),XR2 | XR2 ->NEXT BUFF ENTRY | aa220 04510000 |
| 10 | 0260 C0 87 024B | 470 | | B | XRF0009A | LOOP FOR NEXT ENTRY | aa220 04520000 |
| 11 | 0264 0D 02 0471 047A | 472 | XRF0009C | CLC | XRBCSSS(3),XRFEMPTY | 4TH FORMAT MODULE ? | aa220 04540000 |
| 11 | 026A F2 81 2E | 473 | | JE | XRF0009F | NO - CONTINUE | aa220 04550000 |
| 12 | 026D C2 01 040D | 474 | | LA | XRF10B,XR1 | YES - GET ##BCCF | aa220 04560000 |
| 12 | | 475 | * | | | OR ##CCFMT | aa220 04570000 |
| 13 | 0271 4C 02 18 0471 | 476 | | MVC | \$10BDSS(3,XR1),XRBCSSS | YES - READ ITS INDEX | aa220 04580000 |
| 13 | 0276 C0 87 0402 | 477 | | B | XRF10S | READ INDEX TO BUFF | aa220 04590000 |
| 14 | 027A C2 01 077B | 478 | | LA | XRFMTAB4,XR1 | XR1 -> 2ND IN-CORE IX | aa220 04600000 |
| 14 | 027E C2 02 0860 | 479 | | LA | XRFBUFF,XR2 | XR2 -> START OF BUFF | aa220 04610000 |
| 14 | 0282 BD FF 00 | 480 | XRF0009E | CLI | 0C,XR2),ALLBIT | END OF INDEX ENTRIES? | aa220 04620000 |
| 15 | 0285 F2 81 13 | 481 | | JE | XRF0009F | YES - 3RD IN-CORE | aa220 04630000 |
| 15 | | 482 | * | | | INDEX IS BUILT | aa220 04640000 |
| 16 | 0288 6C 06 06 0E | 483 | | MVC | FMTINL(7,XR1),FMTTDL(XR2) | MOVE FROM BUFF TO TBL | aa220 04650000 |
| 16 | 028C 4E 02 02 0471 | 484 | | ALC | FMTSSS(3,XR1),XRBCSSS | MAKE DISK ADDR ACTUAL | aa220 04660000 |
| 16 | 0291 D2 01 07 | 485 | | LA | FMTINL+1(XR1),XR1 | XR1 ->NEXT IN-CORE | aa220 04670000 |
| 17 | 0294 E2 02 10 | 486 | | LA | FMTRSV+1(XR2),XR2 | XR2 ->NEXT BUFF ENTRY | aa220 04680000 |
| 17 | 0297 C0 87 0282 | 487 | | B | XRF0009E | LOOP FOR NEXT ENTRY | aa220 04690000 |
| 18 | 029B 3C 03 0415 | 488 | XRF0009F | MVI | XRF10B+\$10BDNB,THREE | RESET BUFFER SIZE TO 4 | 04700000 |

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|----|------------------------------|---|------|
| 17 | 0010 1877 SCA4SPIN EQU X'10' | 4 SPINDLE DISK | IR71 |
| 17 | 0040 1878 SCADKCFG EQU X'40' | DISK CONFIG FLAG | IR31 |
| 18 | 1879 * | 0 - SMALL CAPACITY DISK | |
| 18 | 1880 * | 1 - LARGE CAPACITY DISK | |
| 18 | 1881 | ***** | |
| 19 | 1882 * | THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A SMALL | * |
| 19 | 1883 * | CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK. | * |
| 19 | 1884 | ***** | |
| 20 | 0081 1885 SCAMDSKS EQU X'81' | DISK STATUS BITS | |

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|---------|--------------------------|
| 15 | V09/11/81 12/08/81 00:29 |
| ***** | 04310000 |
| * | 04320000 |
| * | 04330000 |
| * | 04340000 |
| * | 04350000 |
| ***** | 04360000 |
| aa220 | 04380000 |
| aa220 | 04390000 |
| aa220 | 04400000 |
| aa220 | 04410000 |
| aa220 | 04420000 |
| X aa220 | 04430000 |
| aa220 | 04440000 |
| aa220 | 04450000 |
| aa220 | 04460000 |
| aa220 | 04470000 |
| L aa220 | 04480000 |
| L aa220 | 04490000 |
| aa220 | 04500000 |
| Y aa220 | 04510000 |
| aa220 | 04520000 |
| aa220 | 04540000 |
| aa220 | 04550000 |
| aa220 | 04560000 |
| aa220 | 04570000 |
| aa220 | 04580000 |
| aa220 | 04590000 |
| X aa220 | 04600000 |
| aa220 | 04610000 |
| aa220 | 04620000 |
| aa220 | 04630000 |
| aa220 | 04640000 |
| aa220 | 04650000 |
| aa220 | 04660000 |
| aa220 | 04670000 |
| aa220 | 04680000 |
| aa220 | 04690000 |
| 4 | 04700000 |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 16 V09/11/81 12/08/81 00:29 | |
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 490 | ***** |
| | | 491 * | 04720000 |
| | | 492 * | 04730000 |
| 03 | | 493 * | 04740000 |
| | | 494 * | 04750000 |
| | | 495 * | 04760000 |
| 04 | | 496 * | 04770000 |
| | | 497 * | 04780000 |
| | | 498 * | 04790000 |
| 05 | | 499 * | 04800000 |
| | | 500 * | 04810000 |
| | | 501 * | 04820000 |
| 06 | | 502 * | 04830000 |
| | | 503 | ***** |
| 07 | | 504 * | 04850000 |
| | | 505 * | 04860000 |
| 08 | | 506 * | 04870000 |
| | | 507 * | 04880000 |
| | | 508 * | 04890000 |
| 09 | | 509 * | 04900000 |
| | | 510 * | 04910000 |
| | | 511 * | 04920000 |
| 10 | 029F C2 02 0C56 | 512 XRF00100 LA | XRFTABLE-XRFXRNEX,2 XR2 AT LAST RES TABLE ENTRY PROC |
| | 02A3 8D 01 0B 047C | 513 XRF00110 CLC | XRFXRNEX+1(2,2),XRFEOT Q. END OF RESIDENT TABLE ? |
| | 02A8 E2 02 0A | 514 LA | XRFXRNEX(,2),2 BUMP TO NEXT TABLE ENTRY |
| 11 | 02AB 2C 03 04A6 03 | 515 MVC | XRFSLG4+\$LGD88BYT(4),3C,XR2) MOVE THE 2ND-5TH CHARS |
| | | 516 * | INTO THE SYSLOG TYPE 4 PARM |
| | | 517 * | IN CASE THE MODULE HAS A BAD |
| 12 | 02B0 C0 81 03DD | 518 * | TABLE & SYSLOG IS CALLED |
| | | 519 BE | XRFE0J A. YES, END OF RESIDENT TABLE |
| 13 | 02B4 34 02 02A2 | 520 ST | XRF00100+3,2 MODIFY LOAD ADDRESS INSTRUCTION |
| | | 521 * | TO POINT TO THE NEXT ENTRY |
| 14 | | | |
| 15 | | | |
| 16 | | | |
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| #MAXRF CROSS-REFERENCE | |
| ERR LOC | OBJECT CODE |
| 02 | |
| 03 | |
| 04 | 02B8 8D 00 09 |
| | 02BB C0 81 029F |
| 05 | 02BF C2 01 0400 |
| | 02C3 7C A1 03 |
| 06 | 02C6 6C 02 18 06 |
| | 02CA 2C 00 0445 07 |
| | 02CF 4E 02 18 0445 |
| | 02D4 4F 02 18 0439 |
| 07 | 02D9 C0 87 0402 |
| 08 | |
| 09 | |
| 10 | |
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| 12 | |
| 13 | |
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| 20 | |

A19

IR71
IR31
SK
SK

SMALL *
*

17 0010 1930 SCANDMNR EQU X'10' 3FD00
0008 1931 SCANDMNR EQU X'08' DISPLAY STATION DM TRANSIENT
0004 1932 SCANDMNR EQU X'04' DISPLAY STATION DM RESIDENT
18 1933 * NOTE: IF 'DMNR DMNR' BOTH =1'
1934 * THEN RESIDENT/TRANSIENT
1935 * VERSION OF DSDM SELECTED.
19 0002 1936 SCANDMSG EQU X'02' KEEP INFO. MESSAGES AT EQU IR41
0001 1937 SCANDMDE EQU X'01' COMMAND LANGUAGE IS ENGLISH
1938 *
20 0014 1939 SCADCFG3 EQU SCADCFG2+1 1 COMMUNICATIONS FEATURES IR31

17
18
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B20

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04720000
* 04730000
* 04740000
* 04750000
* 04760000
MAT * 04770000
H A WTG * 04780000
* 04790000
INDEX * 04800000
* 04810000
* 04820000
HE * 04830000
* 04840000
* 04850000
* 04860000
* 04870000
* 04880000
* 04890000
* 04900000
* 04910000
* 04920000

04940000
04950000
04960000
04970000
04980000
04990000
05000000
05010000

05020000
05030000

| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 17 V09/11/81 12/08/81 00:29 | |
|---------------------------------|--------------------|---|------------------|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | 523 | ***** | 05050000 |
| | 524 | * | 05060000 |
| 03 | 525 | * CHECK THE WTG TABLE AND FORMAT INDEX TABLE INDICATOR. | 05070000 |
| | 526 | * | 05080000 |
| | 527 | ***** | 05090000 |
| 04 | 02B8 BD 00 09 | 529 CLI XRFXRWTG(,2),ZERO | 05110000 |
| | 02B8 CO 81 029F | 530 BE XRF00100 | 05120000 |
| 05 | 02BF C2 01 040D | 531 LA XRFIOB,XR1 | 05130000 |
| | 02C3 7C A1 03 | 532 MVI \$IOBDS(,1),%FDREAD | 05140000 |
| 06 | 02C6 6C 02 18 06 | 533 MVC \$IOBDS(,1),XRFKRSS(,2) | 05150000 |
| | 02CA 2C 00 0445 07 | 534 MVC XRF#TXT(1),XRFKRSS(,2) | 05160000 |
| | 02CF 4E 02 18 0445 | 535 ALC \$IOBDS(,1),XRF#TXT | 05170000 |
| 07 | 02D4 4F 02 18 0439 | 536 SLC \$IOBDS(,1),XRFUPDAT | 05180000 |
| | 02D9 C0 87 0402 | 537 B XRFIOS | 05190000 |
| 08 | | | |
| 09 | | | |
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#MAXRF CROSS-REFEREN
ERR LOC OBJECT CODE
02
03
04 02D0 38 80 0477
02E1 C2 01 0C5F
02E5 8D 00 08
02E8 F2 81 0C
05
06 02EB C2 01 0B5F
02EF 2C 00 02F6 0
02F4 D2 01 00
07
08
09 02F7 B8 01 09
02FA F2 90 61
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A20

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|----|---|----|
| 17 | 0022 1984 SCAIVTDC EQU SCAIVTON+2 2 SS OF DISKETTE VTOC WORK AREA | 17 |
| | 0023 1985 SCAIVTON EQU SCAIVTOC+1 1 SIZE OF DISKETTE VTOC WORK AREA | |
| | 1986 * | |
| 18 | 0025 1987 SCASIOSS EQU SCAIVTON+2 2 SS OF SIO TABLE DIRECTORY | 18 |
| | 0027 1988 SCALOGSS EQU SCASIOSS+2 2 SS OF ERROR TABLE DIRECTORY | |
| | 1989 * | |
| 19 | 0029 1990 SCADSSMS EQU SCALOGSS+2 2 SS OF MAIN STORAGE DUMP AREA | 19 |
| | 002B 1991 SCADSSCS EQU SCADSSMS+2 2 SS OF CONTROL STORAGE DUMP AREA | |
| | 002D 1992 SCADSSIO EQU SCADSSCS+2 2 SS OF I/O PROCESSOR DUMP AREA | |
| 20 | 1993 * | 20 |

B21

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | | ERR LOC | OBJECT CODE |
|---------|-------------|----------|------|--|----------|---------|---------------------|
| 01 | | | | | | 01 | |
| 02 | ***** | 05050000 | 539 | ***** | 05210000 | 02 | |
| | * | 05060000 | 540 | * | 05220000 | | |
| | * | 05070000 | 541 | * FIND THE LAST TEXT BYTE IN THE MODULE. | 05230000 | | |
| | * | 05080000 | 542 | * | 05240000 | | |
| | ***** | 05090000 | 543 | ***** | 05250000 | | |
| 04 | R IS O | 05110000 | 545 | XRF00115 SBF XRFWITCH,XRFRSOLV SET OFF RESOLVED SWITCH | 05270000 | 04 | |
| | XRFABLE | 05120000 | 546 | LA XRFBUFFE,XR1 FIND LAST BYTE IN BUFFER | 05280000 | | |
| 05 | 1-> IOB | 05130000 | 547 | CLI XRFXRRLDC,XR2,ZERO Q.RLD = 0 | 05290000 | 05 | 02FD 34 01 047E |
| | | 05140000 | 548 | JE XRF00125 A.YES, BRANCH | 05300000 | | 0301 00 01 047E 048 |
| | MODULE | 05150000 | 549 | LA XRFBUFFE-256,XR1 FIND LAST BYTE IN 3RD SECTOR | 05310000 | 06 | 030A 4D 01 00 047C |
| | BYTE | 05160000 | 550 | MVC XRF00120+2(1),XRFXRRLDC,XR2 MOVE RLD INTO NEXT INSTR | 05320000 | | 030F F2 81 48 |
| | EXT SECT | 05170000 | 551 | XRF00120 LA *(,XR1),XR1 POINT TO LAST TEXT BYTE | 05330000 | 07 | 0312 36 01 0436 |
| | LE | 05180000 | 553 | ***** | 05350000 | 08 | 0316 C2 02 0C60 |
| | SECTORS | 05190000 | 554 | * | 05360000 | | 031A 8D 01 01 047C |
| 08 | | | 555 | * IN THE FOLLOWING SECTION, EACH MODULE IS EXAMINED FOR CROSS-REF. | 05370000 | 09 | 031F F2 01 16 |
| | | | 556 | * REQUIREMENTS. FIRST CHECK IF THE MODULE HAS A WTG TABLE. | 05380000 | | 0322 4D 02 07 0474 |
| | | | 557 | * | 05390000 | 10 | 0327 C0 81 02FD |
| | | | 558 | ***** | 05400000 | | 0328 4C 04 09 0476 |
| 09 | | | 560 | XRF00125 TBN XRFXRWTG(XR2),DIRXRF DOES MODULE HAVE A WTG TABLE ? | 05420000 | 11 | 0330 3A 80 0477 |
| | | | 561 | JF XRF00149 NO - GO DO FORMAT INDEX TABLE | 05430000 | | 0334 C0 87 02FD |
| 10 | | | | | | 12 | 0338 6D 03 04 03 |
| 11 | | | | | | | 033C F2 01 14 |
| 12 | | | | | | 13 | 033F 6D 04 09 08 |
| 13 | | | | | | | 0343 C0 81 02FD |
| 14 | | | | | | 14 | 0347 3A 80 0477 |
| 15 | | | | | | | 034B 6C 04 09 08 |
| 16 | | | | | | 15 | 034F C0 87 02FD |
| 17 | | | | | | | 0353 E2 02 0A |
| 18 | | | | | | 16 | 0356 C0 87 031A |
| 19 | | | | | | 17 | |
| 20 | | | | | | 18 | |

A21

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|----|------------------------------|--------------|---------------------------------|
| 17 | 0058 2038 SCASYS1 EQU X'80' | SCADSL0G+1 1 | SYSTEM CONFIGURATION BYTE 5 |
| | 0080 2039 SCAHFERR EQU X'80' | | X'80' - ERROR IN HISTORY FILE |
| | 0040 2040 SCAMIPLC EQU X'40' | | X'40' - IPL-PROCESSING COMPLETE |
| 18 | 0020 2041 SCAOVER EQU X'20' | | X'20' - IPL-OVERRIDE RECEIVED |
| | 0010 2042 SCAMIPLC EQU X'10' | | X'10' - IPL-SIGN ON COMPLETE |
| | 0008 2043 SCAMRBLD EQU X'08' | | X'08' - IPL-FILE REBUILD |
| 19 | 0004 2044 SCAMEJCT EQU X'04' | | X'04' - SYSLOG EJECT AT EOJ |
| | 0002 2045 SCAMCLOK EQU X'02' | | X'02' - CONFIG RECORD LOCK IR31 |
| | 0001 2046 SCAMPREP EQU X'01' | | X'01' - PREPARE REQUEST ISSUED |
| 20 | 2047 * | | |

| | |
|-------|--------------------------|
| 18 | V09/11/81 12/08/81 00:29 |
| ***** | 05210000 |
| * | 05220000 |
| * | 05230000 |
| * | 05240000 |
| ***** | 05250000 |
| | 05270000 |
| | 05280000 |
| | 05290000 |
| | 05300000 |
| OR | 05310000 |
| WSTR | 05320000 |
| YTE | 05330000 |
| ***** | 05350000 |
| * | 05360000 |
| * | 05370000 |
| * | 05380000 |
| * | 05390000 |
| ***** | 05400000 |
| BLE ? | 05420000 |
| BLE | 05430000 |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|----------------------|------|--------------|--|----------|
| 02 | | 563 | | ***** | 05450000 |
| | | 564 | * | * | 05460000 |
| 03 | | 565 | * | * THIS MODULE HAS A WTG TABLE. FOR EACH WTG TABLE ENTRY THE RESIDENT * | 05470000 |
| | | 566 | * | * TABLE IS SEARCHED TO RESOLVE IT. * | 05480000 |
| | | 567 | * | * XR1 IS USED TO SEARCH THE MODULE'S WHERE-TO-GO TABLE * | 05490000 |
| | | 568 | * | * XR2 IS USED TO SEARCH THE RESIDENT TABLE. * | 05500000 |
| | | 569 | * | * | 05510000 |
| | | 570 | | ***** | 05520000 |
| 05 | 02FD 34 01 047E | 572 | XRFO0130 ST | XRFCHECK,1 | 05540000 |
| | 0301 00 01 047E 0480 | 573 | CLC | XRFCHECK,XRFNW1P(2) | 05550000 |
| | 0307 F2 04 92 | 574 | JNH | XRFO0165 | 05560000 |
| 06 | | 575 | CLC | 0(2,1),XRFEOT | 05570000 |
| | 030F F2 81 48 | 576 | JE | XRFO0148 | 05580000 |
| 07 | | 577 | A | XRFM9,1 | 05590000 |
| | | 578 | * | MODULE - ACTUALLY SUBTRACT 9 | 05600000 |
| | | 579 | * | POINTING 1 BYTE BEFORE ENTRY | 05610000 |
| 08 | | 580 | LA | XRFTABLE,2 | 05620000 |
| | 031A 8D 01 01 047C | 581 | XRFO0134 CLC | 1(2,2),XRFEOT | 05630000 |
| | 031F F2 01 16 | 582 | JNE | XRFO0138 | 05640000 |
| 09 | | 583 | CLC | 7(3,1),XRFNPS55 | 05650000 |
| | 0322 4D 02 07 0474 | 584 | BE | XRFG0130 | 05660000 |
| | 0327 C0 81 02FD | | | | |
| 11 | | 585 | MVC | 9(5,1),XRFNPRLD | 05670000 |
| | 032B 4C 04 09 0476 | 586 | SBN | XRFWITCH,XRFRSOLV | 05680000 |
| | 0330 3A 80 0477 | 587 | B | XRFO0130 | 05690000 |
| | 0334 C0 87 02FD | | | | |
| 12 | | 588 | XRFO0138 CLC | 4(4,1),XRFXRMMK(2) | 05700000 |
| | 033C F2 01 14 | 589 | JNE | XRFO0140 | 05710000 |
| 13 | | 590 | CLC | 9(5,1),XRFXRRLDC(2) | 05720000 |
| | 033F 6D 04 09 08 | 591 | BE | XRFO0130 | 05730000 |
| | 0343 C0 81 02FD | | | | |
| 14 | | 592 | SBN | XRFWITCH,XRFRSOLV | 05740000 |
| | 034B 6C 04 09 08 | 593 | MVC | 9(5,1),XRFXRRLDC(2) | 05750000 |
| | 034F C0 87 02FD | 594 | B | XRFO0130 | 05760000 |
| 15 | | 595 | XRFO0140 LA | XRFXRNEK(,2),2 | 05770000 |
| | 0353 E2 02 0A | 596 | B | XRFO0134 | 05780000 |
| | 0356 C0 87 031A | | | | |

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| 01 | ERR LOC OBJECT CODE |
| 02 | |
| 03 | |
| 04 | |
| 05 | 035A 36 01 0434 |
| 06 | |
| 07 | 035E 35 02 02A2 0362 B8 20 09 0365 F2 90 62 |
| 08 | |
| 09 | 0368 34 01 047E 036C 0D 01 047E 0480 0372 F2 04 27 |
| 10 | |
| 11 | 0375 4D 01 00 047C 037A F2 81 4D |
| 12 | |
| 13 | 037D 36 01 0436 |
| 14 | |
| 15 | 0381 C2 02 04DB 0385 76 02 02 |
| 16 | |
| 17 | 0388 6D 06 09 06 038C C0 81 0368 |
| 18 | |
| 19 | 0390 3A 80 0477 0394 6C 06 09 06 0398 C0 87 0368 |
| 20 | |

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|----|-----------------------------------|-----------------------------------|
| 17 | 0040 2092 SCAMALL EQU X'40' | . NO JOBS CAN BE INITIATED |
| 18 | 0010 2094 SCAMUSE EQU X'10' | . SPOOL WRITER/JOBQ EDJ REQUIRED |
| | 0008 2095 SCAMST EQU X'08' | . WSDM SEND EDJ COMPLETION CODE |
| | 0004 2096 SCAMUQS EQU X'04' | . SPOOL WRITER HAS BEEN STARTED |
| | 0002 2097 SCAMSEC EQU X'02' | . JOBQ HAS BEEN STARTED |
| 19 | 0001 2098 SCAMERP EQU X'01' | . SECURITY IS ACTIVE |
| | 2099 * | . CALL I/O ERP TRANSIENT |
| 20 | 0071 2100 SCADCP52 EQU SCADCP51+1 | SWITCH BYTE TWO |
| | 0080 2101 SCAMKEYS EQU X'80' | . KEY SORT ALL FILES AT SHUT DOWN |

| | | |
|----|-----------------------------------|-----------------------------------|
| 17 | 0040 2092 SCAMALL EQU X'40' | . NO JOBS CAN BE INITIATED |
| 18 | 0010 2094 SCAMUSE EQU X'10' | . SPOOL WRITER/JOBQ EDJ REQUIRED |
| | 0008 2095 SCAMST EQU X'08' | . WSDM SEND EDJ COMPLETION CODE |
| | 0004 2096 SCAMUQS EQU X'04' | . SPOOL WRITER HAS BEEN STARTED |
| | 0002 2097 SCAMSEC EQU X'02' | . JOBQ HAS BEEN STARTED |
| 19 | 0001 2098 SCAMERP EQU X'01' | . SECURITY IS ACTIVE |
| | 2099 * | . CALL I/O ERP TRANSIENT |
| 20 | 0071 2100 SCADCP52 EQU SCADCP51+1 | SWITCH BYTE TWO |
| | 0080 2101 SCAMKEYS EQU X'80' | . KEY SORT ALL FILES AT SHUT DOWN |

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|---------|--------------------------|
| 19 | V09/11/81 12/08/81 00:29 |
| ***** | 05450000 |
| * | 05460000 |
| IDENT * | 05470000 |
| * | 05480000 |
| * | 05490000 |
| * | 05500000 |
| * | 05510000 |
| ***** | 05520000 |
| DR | 05540000 |
| | 05550000 |
| SYSLG | 05560000 |
| ONE ? | 05570000 |
| TABLE | 05580000 |
| Y FROM | 05590000 |
| T 9 | 05600000 |
| TRY | 05610000 |
| TABLE | 05620000 |
| | 05630000 |
| | 05640000 |
| NDW ? | 05650000 |
| N | 05660000 |
| & RLD | 05670000 |
| | 05680000 |
| | 05690000 |
| RF ? | 05700000 |
| TABLE | 05710000 |
| | 05720000 |
| | 05730000 |
| T CHNGD | 05740000 |
| | 05750000 |
| Y. | 05760000 |
| Y. | 05770000 |
| | 05780000 |

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| MAXRF CROSS-REFERENCE RESOLVER | | PAGE 20 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | |
| 02 | 598 ***** | | 05800000 |
| | 599 * | | 05810000 |
| 03 | 600 * | CHECK IF MODULE HAS A FORMAT INDEX TABLE. | 05820000 |
| | 601 * | IF PRESENT, THE MODULE FORMAT INDEX TABLE IS FILLED IN FROM THE | 05830000 |
| | 602 * | IN-CORE FORMAT INDEX BUILT FROM #FCPF, #FCCF, #BCPF, #BCCF @R220 | 05840000 |
| 04 | 603 * | XR1 IS USED TO SEARCH THE MODULE'S FORMAT INDEX TABLE. | 05850000 |
| | 604 * | XR2 IS USED TO ACCESS THE IN-CORE FORMAT INDEX. | 05860000 |
| | 605 * | | 05870000 |
| | 606 ***** | | 05880000 |
| 05 | 035A 608 | XRFO0148 EQU * ENTRY POINT IF MODULE HAS A WTG TABLE | 05900000 |
| 06 | 035A 36 01 0434 | 609 A XRFM2, XR1 BUMP XR1 PAST FFFF IN FRONT OF WTG | 05910000 |
| | 610 * | TABLE - NOW AT LAST BYTE OF FORMAT TBL | 05920000 |
| 07 | 035E 35 02 02A2 | 612 XRFO0149 L XRFO0100+3, XR2 XR2 -> RESIDENT ENTRY FOR THIS MODULE | 05940000 |
| | 0362 88 20 09 | 613 TBN XRFXRWTG(, XR2), DIRXRFXT MODULE HAVE FORMAT INDEX TBL ? | 05950000 |
| | 0365 F2 90 62 | 614 JF XRFO0170 NO - GO WRITE MODULE BACK | 05960000 |
| 08 | 615 * | YES - FILL IN FORMAT INDEX TABLE | 05970000 |
| | 0368 34 01 047E | 616 XRFO0150 ST XRFCHK, XR1 SAVE CURRENT FORMAT TABLE ADDR | 05980000 |
| | 036C 0D 01 047E 0480 | 617 CLC XRFCHK, XRFNDWIP(2) CHECK IF PAST FORMAT INDEX TBL | 05990000 |
| 09 | 0372 F2 04 27 | 618 JNH XRF00165 YES - MISSING FFFF - CALL SYSLG | 06000000 |
| 10 | 0375 4D 01 00 047C | 619 CLC 0(2, 1), XRFEDT Q. ALL FORMAT INDEX TBL FILLED ? | 06010000 |
| | 037A F2 81 4D | 620 JE XRF00170 A. YES, GO WRITE MODULE BACK | 06020000 |
| 11 | 037D 36 01 0436 | 621 A XRFM9, 1 GET NEXT FORMAT INDEX ENTRY FROM | 06030000 |
| | 622 * | MODULE - ACTUALLY SUBTRACT 9 | 06040000 |
| | 623 * | POINTING 1 BYTE BEFORE ENTRY | 06050000 |
| 12 | 0381 C2 02 04DB | 624 LA XRFMTAB, XR2 XR2 -> IN-CORE FORMAT INDEX | 06060000 |
| | 0385 76 02 02 | 625 A 2(, XR1), XR2 XR2 -> REQUESTED FORMAT INDEX | 06070000 |
| | 626 * | BY ADDING DISP FROM MODULE'S TBL | 06080000 |
| 13 | 0388 6D 06 09 06 | 627 CLC 9(7, XR1), 6(, XR2) SAME AS LAST XRF ? | 06090000 |
| | 038C C0 81 0368 | 628 BE XRF00150 YES - DO NOT CHANGE | 06100000 |
| 14 | 0390 3A 80 0477 | 629 SBN XRFWITCH, XRFRESOLV NO - INDICATE MODULE CHANGED & | 06110000 |
| | 0394 6C 06 09 06 | 630 MVC 9(7, XR1), 6(, XR2) MOVE NEW FORMAT INDEX TO MODULE | 06120000 |
| | 0398 C0 87 0368 | 631 B XRF00150 LOOP FOR NEXT ENTRY | 06130000 |

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|----|-----------------------------------|-----------------------------------|
| 17 | 0040 2092 SCAMALL EQU X'40' | . NO JOBS CAN BE INITIATED |
| 18 | 0010 2094 SCAMUSE EQU X'10' | . SPOOL WRITER/JOBQ EDJ REQUIRED |
| | 0008 2095 SCAMST EQU X'08' | . WSDM SEND EDJ COMPLETION CODE |
| | 0004 2096 SCAMUQS EQU X'04' | . SPOOL WRITER HAS BEEN STARTED |
| | 0002 2097 SCAMSEC EQU X'02' | . JOBQ HAS BEEN STARTED |
| 19 | 0001 2098 SCAMERP EQU X'01' | . SECURITY IS ACTIVE |
| | 2099 * | . CALL I/O ERP TRANSIENT |
| 20 | 0071 2100 SCADCP52 EQU SCADCP51+1 | SWITCH BYTE TWO |
| | 0080 2101 SCAMKEYS EQU X'80' | . KEY SORT ALL FILES AT SHUT DOWN |

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|----|---|
| 17 | 0085 2146 SCADKSLT EQU SCADKATB+1 1 I2 SLOT NUMBER CHECK I1R31 |
| 18 | 008A 2147 SCADKSLT EQU SCADKSLT+5 5 I2 SLOT NUMBER DECIMAL I1R31 |
| 19 | 008B 2148 * 008B 2149 SCADKQNT EQU SCADKSLT+1 1 MESSAGE Q COUNT 2150 * |
| 20 | 008C 2151 SCADKSP1 EQU SCADKQNT+1 1 CSP -----> MSP INTERFACE BYTE 008D 2152 SCADK1255 EQU X'80' . MICR ATTACHMENT ON SYSTEM I1R21 004D 2153 SCADKANNR EQU X'40' . I2 DISKETTE ATTACHMENT I1R31 2154 * EQU X'20' . RESERVED FOR ADDR COMPARE DUMP 0010 2155 SCADKACDV EQU X'10' . ERROR ON DUMP - PARTIAL DUMP TAKEN |

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|-------|----------|
| 00:29 | 00:29 |
| ***** | 05800000 |
| * | 05810000 |
| * | 05820000 |
| * | 05830000 |
| 00220 | 05840000 |
| * | 05850000 |
| * | 05860000 |
| * | 05870000 |
| ***** | 05880000 |
| TABLE | 05900000 |
| | 05910000 |
| TBL | 05920000 |
| ULE | 05940000 |
| UL ? | 05950000 |
| | 05960000 |
| TABLE | 05970000 |
| DR | 05980000 |
| TBL | 05990000 |
| SLOG | 06000000 |
| D ? | 06010000 |
| | 06020000 |
| FROM | 06030000 |
| | 06040000 |
| | 06050000 |
| | 06060000 |
| X | 06070000 |
| TBL | 06080000 |
| | 06090000 |
| | 06100000 |
| & | 06110000 |
| ULE | 06120000 |
| | 06130000 |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|-------------|------------|-------|--|----------|
| 02 | 633 | | | ***** | 06150000 |
| | 634 | * | | * | 06160000 |
| 03 | 635 | * | | INVALID IUTG TABLE OR FORMAT INDEX TABLE -- NO DELIMITER OF FFFF | 06170000 |
| | 636 | * | | * | 06180000 |
| | 637 | | | ***** | 06190000 |
| 04 | 039C | F6 00 08 | 639 | XRF00165 LPMR PRV+IARX TRANSLATE OFF TO GET AT SCA | 06210000 |
| | 039F | 38 10 0058 | 640 | TBN SCASYS1,SCANIPL IPL DONE ? | 06220000 |
| 05 | 03A3 | F6 00 0E | 641 | LPMR PRV+IARX+OP1+OP2 TRANS Y,Y | 06230000 |
| | 03A6 | F2 10 05 | 642 | JT XRF00168 YES - USE SYSLOG FOR ERROR | 06240000 |
| 06 | 03A9 | F4 00 22 | 643 * | ERR MIC-247 NO - IPL IN PROGRESS - PROC CHECK | 06250000 |
| | 03AC | 00F7 | 644 | SVC X'22',0 DUMP STORAGE SVC | |
| | | | 645 | DC AL2(C247) MIC NUMBER IN HEX | |
| | | | 646 | *** END OF EXPANSION ** | |
| 07 | 03AE | 34 01 0482 | 548 | XRF00168 ST SAVXR1,1 SAVE REG 1 POINTER | 06270000 |
| | 03B2 | 34 02 0484 | 649 | ST SAVXR2,2 SAVE REG 2 POINTER | 06280000 |
| 08 | 03B6 | C2 02 0491 | 650 | LA XRFSLG4,XR2 ADDR OF SYSLOG TYPE 4 PARAM IN XR2 | 06290000 |
| | | | 651 * | SLOG CALL SYSLOG TYPE 4 - OPTIONS 0 & 3 | 06300000 |
| 09 | 03BA | F4 01 04 | 652 * | LINKAGE TO SYSLOG ROUTINES | |
| | 03BD | 05 | 653 | SVC X'04',X'01' CALL SYSLOG WITH REFRESH | |
| | | | 654 | DC XL1'05' SYSLOG RIB | |
| | | | 655 * | END OF EXPANSION | |
| | | | 656 | *** END OF EXPANSION ** | |
| 11 | 03BE | 35 01 0482 | 658 | L SAVXR1,1 RESTORE REG 1 POINTER | 06320000 |
| | 03C2 | 35 02 0484 | 659 | L SAVXR2,2 RESTORE REG 2 POINTER | 06330000 |
| | 03C6 | C0 87 029F | 660 | B XRF00100 BRANCH BACK AND READ IN NEXT MOD | 06340000 |

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|----|---|
| 01 | ERR LOC OBJECT CODE |
| 02 | |
| 03 | |
| 04 | |
| 05 | 03CA C2 01 0400 03CE 7C A2 03 03D1 38 80 0477 |
| 06 | 03D5 C0 10 0402 |
| 07 | 03D9 C0 87 029F |
| 08 | |
| 09 | |
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| 17 | 0008 2200 SCANN01 EQU X'08' . AUTO CALL ON LINE 1 1R61 |
| | 0004 2201 SCANN02 EQU X'04' . AUTO CALL ON LINE 2 1R61 |
| | 0002 2202 SCANN03 EQU X'02' . AUTO CALL ON LINE 3 1R61 |
| 18 | 0001 2203 SCANN04 EQU X'01' . AUTO CALL ON LINE 4 1R61 |
| | 2204 * |
| | 0088 2205 SCANN211 EQU X'88' . X.21 ON LINE 1 1R01 |
| | 0044 2206 SCANN212 EQU X'44' . X.21 ON LINE 2 1R01 |
| 19 | 0022 2207 SCANN213 EQU X'22' . X.21 ON LINE 3 1R01 |
| | 0011 2208 SCANN214 EQU X'11' . X.21 ON LINE 4 1R01 |
| 20 | 2209 * |

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|-------|--------------------------|
| 21 | V09/11/81 12/08/81 00:29 |
| | ***** 06150000 |
| | * 06160000 |
| | * 06170000 |
| | * 06180000 |
| | ***** 06190000 |
| | 06210000 |
| | 06220000 |
| | 06230000 |
| | 06240000 |
| CHECK | 06250000 |
| | 06270000 |
| | 06280000 |
| N XR2 | 06290000 |
| | 06300000 |
| | 06320000 |
| | 06330000 |
| MOD | 06340000 |

| XRF CROSS-REFERENCE RESOLVER | | PAGE 22 V09/11/81 12/08/81 00:29 | |
|------------------------------|-----------------|--|------------------|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 01 | | | |
| 02 | 662 | ***** | 06360000 |
| | 663 | * | 06370000 |
| 03 | 664 | * WHEN ALL TABLE ENTRIES HAVE BEEN UPDATED, THE LAST FOUR TEXT | 06380000 |
| | 665 | * SECTORS OF THE MODULE ARE WRITTEN BACK ONTO DISK IN THE ORIGINAL | 06390000 |
| | 666 | * LOCATION. R1-> IOB, R2 IS UNUSED. | 06400000 |
| | 667 | * | 06410000 |
| 04 | 668 | ***** | 06420000 |
| 05 | 03CA C2 01 0400 | 670 XRF00170 LA XRFIOB,XR1 XR1 -> IOB | 06440000 |
| | 03CE 7C A2 03 | 671 MVI \$IOBDCMD,1),%FORWRITE SET TO WRITE FD | 06450000 |
| | 03D1 38 80 0477 | 672 TBN XRFWITCH,XRFRSOLV ANY WIG TABLE ENTRIES FILLED IN | 06460000 |
| | | 673 * FOR THIS MODULE ? | 06470000 |
| 06 | 03D5 C0 10 0402 | 674 BT XRFIOS YES, GO WRITE BACK MODULE | 06480000 |
| | 03D9 C0 87 029F | 675 B XRF00100 GET NEXT ELIGIBLE MODULE. | 06490000 |
| 07 | | | |
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| 09 | | | |
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| XRF CROSS-REFERENCE | |
|---------------------|-----------------|
| ERR LOC | OBJECT CODE |
| 01 | |
| 02 | |
| 03 | |
| 04 | |
| 05 | 03D0 C2 02 0405 |
| | 03E1 35 01 042A |
| | 03E5 04 01 08 |
| 06 | 03E8 F4 01 52 |
| | 03EB 02 |
| 07 | 03EC 00 87 00 |
| | 03EF F2 80 04 |
| 08 | |
| 09 | |
| 10 | 03F2 F4 00 04 |
| | 03F5 04 |
| 11 | 03F6 C2 01 0000 |
| | 03FA C2 02 0000 |
| | 03FE C0 87 0000 |
| 12 | |
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A25

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|----|--|-----------|---------------------------------|
| 17 | 00A6 2254 SCADWRK@ EQU SCADWRK@+2 2 ADDRESS COMPARE WORKAREA ADDR IR31 | 2253 * | |
| | 2255 * | | |
| | 00A7 2256 SCADCFG@ EQU SCADWRK@+1 1 SSP CONFIGURATION IR31 | | |
| | 2257 * | EQU X'80' | . RESERVED |
| 18 | 00A0 2258 SCAMRSP EQU X'40' | | . USE WORK STATION PRINTER IR61 |
| | 2259 * | EQU X'20' | . RESERVED |
| | 2260 * | EQU X'10' | . RESERVED |
| 19 | 2261 * | EQU X'08' | . RESERVED IR81 |
| | 2262 * | EQU X'04' | . RESERVED |
| 20 | 2263 * | EQU X'02' | . RESERVED IR81 |

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| 22 V09/11/81 12/08/81 00:29 | | **XREF CROSS-REFERENCE RESOLVER PAGE 23 V09/11/81 12/08/81 00:29 | | **XREF CROSS-REFERENCE R | |
|-----------------------------|-------------|--|--|--------------------------|-------------|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT | ERR LOC | OBJECT CODE |
| ***** | 06360000 | 02 | 677 ***** | 02 | 06510000 |
| * | 06370000 | | 678 * | | 06520000 |
| * | 06380000 | 03 | 679 * CALL \$MAXNT TO UPDATE TRANSFER TABLE, THEN RETURN TO CALLER OR EOJ. * | | 06530000 |
| L | 06390000 | | 680 * | | 06540000 |
| * | 06400000 | | 681 ***** | | 06550000 |
| * | 06410000 | 04 | 03DD 683 XRFEOJ EQU * | 04 | 06570000 |
| ***** | 06420000 | | 03DD 684 XRF00175 EQU * | | 06580000 |
| 06440000 | 06450000 | 05 | 03DD C2 02 0485 685 LA XRFLOAD,XR2 XR2-> LOADER PARM FOR \$MAXNT @@214 | 05 | 06590000 |
| 06460000 | 06470000 | | 03E1 35 01 042A 686 L XRFBUFF@,XR1 XR1-> ADDR TO LOAD \$MAXNT @@214 | | 06600000 |
| ED IN | 06480000 | | 03E5 B4 01 08 687 ST \$LDDLOAD(,XR2),XR1 PUT LOAD ADDR IN LOADER PARM @@214 | | 06610000 |
| 06490000 | 06490000 | 06 | 688 * \$LOAD TYPE-LOAD LOAD \$MAXNT @@214 | 06 | 06620000 |
| | | | 03E8 F4 01 52 689 SVC X'52',1 RELOCATING LOADER SVC REQUEST | | |
| | | | 03EB 02 03EB 690 DC AL1(X'02'+0) LOAD-TO-ADDRESS | | |
| | | 07 | 691 *** END OF EXPANSION ** | 07 | 06630000 |
| | | | 03EC D0 87 00 692 B 0C,XR1) GO UPDATE TRANSFER TABLE @@214 | | |
| | | 08 | 03EF F2 80 04 693 XRF00180 JC XRF00196,NOOP EXIT VIA ARR IF BRANCHED TO. | 08 | 06640000 |
| | | | 694 *RFO0190 \$EOJ CALL EOJ TRANSIENT. | | 06650000 |
| | | 09 | 695 * LINKAGE TO END OF JOB ROUTINES | 09 | |
| | | | 03F2 696 XRF00190 EQU * | | |
| | | | 03F2 F4 00 04 697 SVC X'04',X'00' EOJ SVC | | |
| | | 10 | 03F5 04 03F5 698 DC XL1'04' EOJ RIB | 10 | |
| | | | 699 * END OF EXPANSION | | |
| | | | 700 *** END OF EXPANSION ** | | |
| | | 11 | 03F6 C2 01 0000 702 XRF00196 LA #,XR1 RESTORE XR1 | 11 | 06670000 |
| | | | 03FA C2 02 0000 703 XRF00198 LA #,XR2 RESTORE XR2 | | 06680000 |
| | | | 03FE C0 87 0000 704 XRF00200 B # RETURN TO CALLER | | 06690000 |
| 12 | | | | 12 | |
| 13 | | | | 13 | |
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|------|----|--|----|
| IR31 | 17 | 00C0 2307 SCADCP54 EQU SCADSPC+1 1 COMMAND PROCESSOR SWITCH 4 IR81 | 17 |
| IR31 | 17 | 00B0 2308 SCAMHLD EQU X'80' . VERY HIGH LEVEL DEDICATION | 17 |
| IR61 | 18 | 2309 * EQU X'40' . RESERVED | 18 |
| IR81 | 19 | 2310 * EQU X'20' . RESERVED | 19 |
| IR81 | 19 | 2311 * EQU X'10' . RESERVED | 19 |
| IR81 | 19 | 2312 * EQU X'08' . RESERVED | 19 |
| IR81 | 19 | 2313 * EQU X'04' . RESERVED | 19 |
| IR81 | 19 | 2314 * EQU X'02' . RESERVED | 19 |
| IR81 | 19 | 2315 * EQU X'01' . RESERVED | 19 |
| IR81 | 20 | 00C2 2317 SCADXM1D EQU SCADCP54+2 2 EXT. ADDRESS MAPPING (EXAM) IR61 | 20 |
| IR81 | 20 | 2316 * | 20 |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|---------------------------------------|--|------|------------------|---------|-------------|------|---------------|--|
| 01 | | | | | 01 | | | | |
| 02 | ***** * OR EQJ. * * ***** | 06510000 06520000 06530000 06540000 06550000 | | | 02 | | 706 | | ***** |
| 03 | | | | | 03 | | 707 | * | * |
| 04 | | | | | 04 | | 708 | * | THIS SUBROUTINE IS A COMMON DISK I/O INTERFACE |
| 05 | | | | | 05 | | 709 | * | * |
| 06 | | | | | 06 | | 710 | * | ***** |
| 07 | | | | | 07 | | 711 | XRF I/O S | ST XRF I/O SRT+3, ARR SAVE RETURN ADDR. |
| 08 | | | | | 08 | | 712 | SVC | SVCFD, QWAIT EXECUTE I/O OPERATION. |
| 09 | | | | | 09 | | 713 | XRF I/O SRT B | # |
| 10 | | | | | 10 | | | | |
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|----|------------------------|-------------|---|--|------|
| 17 | 00C6 2361 SCADICSA EQU | SCADCFG6+2 | 2 | ICS COMMUNICATION AREA ADDR | IR41 |
| | 2362 * | | | | |
| | 00CE 2363 SCADRFR EQU | SCADICSA+8 | 8 | RESERVED | |
| | 2364 * | | | | |
| 18 | 00D6 2365 SCADUCFG EQU | SCADRFR+8 | 8 | UDT COMM CONFIGURATION | IR31 |
| | 00D5 2366 SCADUT1 EQU | SCADUCFG-1 | . | LINE 1 CONFIGURATION (BYTE 0) | IR31 |
| | 00D3 2367 SCADUT2 EQU | SCADUCFG-3 | . | LINE 2 CONFIGURATION (BYTE 0) | IR31 |
| 19 | 00D1 2368 SCADUT3 EQU | SCADUCFG-5 | . | LINE 3 CONFIGURATION (BYTE 0) | IR61 |
| | 00CF 2369 SCADUT4 EQU | SCADUCFG-7 | . | LINE 4 CONFIGURATION (BYTE 0) | IR61 |
| | 2370 * | NOTE -----> | | SEE COMPRESSED UNIT DEFINITION TABLE (UDT) | |
| | 2371 * | | | DESCRIPTION FOR DEFINITION OF BITS | |
| 20 | | | | | |

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| 24 | V09/11/81 12/08/81 00:29 |
| ***** | 06710000 |
| * | 06720000 |
| * | 06730000 |
| * | 06740000 |
| ***** | 06750000 |
| | 06760000 |
| | 06770000 |
| | 06780000 |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------|---------------------|---|
| 01 | | | | *****XRF CROSS-REFERENCE RESOLVER |
| 02 | | 715 | | *RFBUFF \$IOBD BUFF-XRFBUFF,NUM=4,RETURN=NO,V=ALL |
| | | 716 | | ***** |
| 03 | | 717 | | * FD IOB DISPLACEMENT EQUATES * |
| | | 718 | | ***** |
| | | 719 | | * |
| 04 | | 0000 | 720 | \$IOBDCM EQU 0 EVENT CONTROL MASK |
| | | 0001 | 721 | \$IOBDCMP EQU 1 COMPLETION CODE |
| | | 0002 | 722 | \$IOBDFLG EQU 2 FLAG BYTE |
| 05 | | 0003 | 723 | \$IOBDCHD EQU 3 COMMAND CODE |
| | | 0004 | 724 | \$IOBDMDR EQU 4 COMMAND MODIFIER |
| | | 0005 | 725 | \$IOBDUAD EQU 5 UNIT ADDRESS |
| 06 | | 0007 | 726 | \$IOBDUAT EQU 7 DATA ADDRESS |
| | | 0008 | 727 | \$IOBDNB EQU 8 LENGTH COUNT(*SECTORS-1) |
| | | 0009 | 728 | \$IOBDL2 EQU 9 FLAG BYTE TWO |
| 07 | | 000A | 729 | \$IOBDSB0 EQU 10 SENSE INFORMATION BYTE 0 |
| | | 000B | 730 | \$IOBDSB1 EQU 11 SENSE INFORMATION BYTE 1 |
| | | 000C | 731 | \$IOBDSB2 EQU 12 SENSE INFORMATION BYTE 2 |
| 08 | | 000D | 732 | \$IOBDSB3 EQU 13 SENSE INFORMATION BYTE 3 |
| | | 000E | 733 | \$IOBDSB4 EQU 14 SENSE INFORMATION BYTE 4 |
| | | 000F | 734 | \$IOBDSB5 EQU 15 SENSE INFORMATION BYTE 5 |
| 09 | | 0011 | 735 | \$IOBDTCB EQU 17 TCB POINTER |
| | | 0012 | 736 | \$IOBDERR EQU 18 ERROR RETRY COUNT |
| | | 0013 | 737 | \$IOBDRSV EQU 19 RESERVED |
| 10 | | 0014 | 738 | \$IOBDRS2 EQU 20 RESERVED |
| | | 0015 | 739 | \$IOBDRS3 EQU 21 RESERVED |
| | | 0016 | 740 | \$IOBDCEB EQU 22 RELATIVE SECTOR ADDRESS(LFT BYTE) |
| 11 | | 0018 | 741 | \$IOBDSS EQU 24 RELATIVE SECTOR ADDRESS(RT BYTE) |
| | | 001B | 742 | \$IOBDLSP EQU 27 LAST SECTOR PROCESSED |
| | | 001C | 743 | \$IOBDLEN EQU \$IOBDLSP+1 BASIC IOB LENGTH |
| 12 | | 744 | * | |
| | | 745 | * | EXTENDED IOB FOR USE IN DTF'S |
| | | 746 | * | |
| 13 | | 001D | 747 | \$IOBDCH EQU 29 DM CHAIN ADDR |
| | | 001F | 748 | \$IOBDOTF EQU 31 DTF ADDRESS |
| | | 749 | * | |
| 14 | | 750 | * | ***** |
| | | 751 | * | ***** |
| | | 752 | * | * |
| 15 | | 753 | * | FD IOB VALUE EQUATES * |
| | | 754 | * | * |
| | | 755 | * | ***** |
| | | 756 | * | ***** |
| 16 | | 759 | * | ***** |
| 17 | | 760 | * | EVENT CONTROL MASK EQUATES * |
| | | 761 | * | ***** |
| 18 | 0040 | 762 | \$FDXLATE EQU X'40' | DATA BUFFER NOT XLATED |
| | | 763 | * | ***** |
| | | 764 | * | COMPLETION CODE EQUATES (BYTE VALUES) * |
| | | 765 | * | ***** |
| 19 | | 766 | * | |
| | | 767 | * | NOTE: THE COMPLETION CODE IS DESIGNED TO BE CHECKED ON A BYTE |
| 20 | | 768 | * | (VERSUS BIT) BASIS. E.G., A PERMANENT ERROR CODITION GIVES |

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|----|--|--|
| 16 | | 0003 2450 JCBDSCHZ EQU JCBDSCH1+1 SCHEDULER BYTE TWO |
| 17 | | 0080 2451 JCBMDPCL EQU X'80' OPEN OR CLOSE ERROR |
| 18 | | 0040 2452 JCBMPRTY EQU X'40' PRTY COMMAND EXECUTED PRIOR TO START OF JOB |
| 19 | | 0020 2454 JCBMPNEP EQU X'20' PROGRAM IS A NEP |
| 20 | | 0010 2455 JCBMTCH EQU X'10' JOB QUEUE PROGRAM |
| | | 0008 2456 JCBMICRC EQU X'08' INCLUDE STATEMENT RECEIVED |
| | | 0004 2457 JCBMDPRD EQU X'04' ALLOCATE - DON'T PREPARE THE DISKETTE |
| | | 0002 2458 JCBMINQP EQU X'02' INQUIRY LATCH SET |
| | | 0001 2459 JCBMINON EQU X'01' NON-INQUIRABLE PROGRAM |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|--------|-------|--|--|
| 01 | | | | | |
| 02 | | | 823 * | | |
| | | | 824 * | COMMAND MODIFIER ONLY FOR READ | |
| | | | 825 * | | |
| 03 | | 0003 | 826 | \$FDVER EQU X'03' | VERIFY COMMAND MODIFIER |
| | | | 827 * | | |
| | | | 828 * | COMMAND MODIFIER ONLY FOR SCAN | |
| | | | 829 * | | |
| 04 | | 0000 | 830 | \$FDEQUAL EQU X'00' | SCAN EQUAL COMMAND MOD |
| | | 0001 | 831 | \$FDLOW EQU X'01' | SCAN LOW OR EQUAL COMMAND MOD |
| | | 0002 | 832 | \$FDHIGH EQU X'02' | SCAN HIGH OR EQUAL COMMAND MOD |
| | | | 833 | ***** | ***** |
| 06 | | | 835 | ***** | ***** |
| | | | 836 * | FLAG BYTE TWO (\$I0BDFL2) EQUATES | * |
| | | | 837 | ***** | ***** |
| | | | 838 * | | * |
| | | | 839 * | THIS ENTIRE BYTE IS RESERVED FOR SYSTEM FUNCTIONS. ALL BITS MUST | * |
| | | | 840 * | BE SET TO ZERO. | * |
| | | | 841 * | | * |
| | | | 842 * | | * |
| 09 | | | 844 | ***** | ***** |
| | | | 845 * | IOB DEFINED CONSTANTS | * |
| | | | 846 | ***** | ***** |
| | | 0400 | 847 | XRFIOB EQU * | |
| 11 | 0400 | 00 | 0400 | 848 | DC AL1(0) EVENT CONTROL MASK |
| | 040E | 40 | 040E | 849 | DC XL1'40' COMPLETION CODE |
| | 040F | 40 | 040F | 850 | DC AL1(0+0+64+0) FLAG BYTE |
| 12 | 0410 | A1 | 0410 | 851 | DC AL1(X'A1') COMMAND CODE |
| | 0411 | 00 | 0411 | 852 | DC AL1(0) COMMAND MODIFIER |
| | 0412 | 00 | 0412 | 853 | DC XL1'00' UNIT ADDRESS |
| 13 | 0413 | 0860 | 0414 | 854 | DC AL2(XRFBUFF) DATA BUFFER ADDRESS |
| | 0415 | 03 | 0415 | 855 | DC AL1(4-1) NO OF SECTORS MINUS ONE |
| | 0416 | 00 | 0416 | 856 | DC XL1'00' FLAG BYTE TWO |
| 14 | 0417 | 0000 | 0418 | 857 | DC XL2'0000' SENSE BYTES 0 AND 1 |
| | 0419 | 0000 | 041A | 858 | DC XL2'0000' SENSE BYTES 2 AND 3 |
| | 041B | 0000 | 041C | 859 | DC XL2'0000' SENSE BYTES 4 AND 5 |
| 15 | 041D | 0000 | 041E | 860 | DC XL2'0000' TCB ADDRESS |
| | 041F | 00 | 041F | 861 | DC XL1'00' ERROR COUNT |
| | 0420 | 00 | 0420 | 862 | DC XL1'00' RESERVED |
| 16 | 0421 | 00 | 0421 | 863 | DC XL1'00' RESERVED |
| | 0422 | 00 | 0422 | 864 | DC XL1'00' RESERVED |
| | 0423 | FFFFFF | 0425 | 865 | DC IL3'16777215' RELATIVE SECTOR ADDRESS |
| | 0426 | 000000 | 0428 | 866 | DC XL3'000000' LAST SECTOR PROCESSED |
| 17 | | | 867 | *** | END OF EXPANSION ** |

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|----|--|----|
| 16 | 0016 2504 JCBOWSBP EQU JCBOWSBP+2 WSB CHAIN POINTER | 16 |
| 17 | 0018 2506 JCBOWSBP EQU JCBOWSBP+2 PSB CHAIN POINTER | 17 |
| 18 | 0020 2508 JCB01PRC EQU JCBOWSBP+8 NAME OF FIRST LEVEL PROCEDURE 2509 * (MRT PROCEDURE NAME IF JCBOWSBP IS ON AND 2510 * THIS JCB IS POINTED TO BY THE MRT'S TCB) | 18 |
| 19 | 0028 2512 JCB01PRC EQU JCB01PRC+8 PROGRAM NAME | 19 |
| 20 | 0029 2514 JCB01STAT EQU JCB01PRC+1 STATUS BYTE | 20 |

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| *****XRF CROSS-REFERENCE RESOLVER | | PAGE 28 V09/11/81 12/08/81 00:29 | |
|-----------------------------------|---------------|----------------------------------|--|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | 0429 0860 | 042A 869 XRFBUFF@ DC | AL2(XRFBUFF) START OF WORK BUFFER 06820000 |
| | 042B 095C | 042C 870 XRFEND DC | AL2(XRFBUFF+252) END OF DIR ENTRIES IN BUFFER. 06830000 |
| | 042D 0A60 | 042E 871 XRFBFITE DC | AL2(XRFBUFF+512) END OF **FCPF'S 2ND INDEX SECTOR 06840000 |
| 03 | | 872 * | AND START OF **FCCF'S INDEX 06850000 |
| | 042F 0C60 | 0430 873 XRFNDBUF DC | AL2(XRFBUFF+1024) END OF BUFFER 06860000 |
| | 0431 | 0432 874 XRFWORK DS | CL2 SAVE AREA FOR COMPARE. 06870000 |
| 04 | 0433 FFFE | 0434 875 XRFM2 DC | XL2'FFFE' CONSTANT OF -2 TO DECR XR1 06880000 |
| | 0435 FFF7 | 0436 876 XRFM9 DC | XL2'FFF7' CONSTANT OF -9 TO DECR THRU TBL5 06890000 |
| | 0437 000004 | 0439 877 XRFUPDAT DC | XL3'000004' UPDATE FOR NEXT 4 SECTORS OF DIR 06900000 |
| 05 | | 878 * | OR TO GET LAST 4 SECTORS OF A 06910000 |
| | | 879 * | MODULE WITH A WTG TABLE 06920000 |
| | 043A 000000 | 043C 880 XRFLCS@ DC | XL3'000000' SAVE AREA FOR LCS DISK ADDRESS 06930000 |
| 06 | 043D 000000 | 043F 881 XRFLTB@ DC | XL3'000000' SAVE AREA FOR START OF LIB MEMBS 06940000 |
| | 0440 000000 | 0442 882 XRFDIR@ DC | XL3'000000' SAVE AREA FOR START OF DIRECTORY 06950000 |
| | 0443 000000 | 0445 883 XRF#TXT DC | XL3'000000' WORK AREA FOR # TEXT SECTORS 06960000 |
| 07 | 0446 D4C1D5D6 | 0449 884 XRFNP DC | CL4'MAND' NO-OP MODULE ID 06970000 |
| | 044A D4C1E7D5 | 044D 885 XRFNXT DC | CL4'MAXN' TRANSFER TBL UPDATE MOD ID @a214 06980000 |
| | 044E 78C6C3D7 | 0451 886 XRFPC DC | CL4'FPC' FORMAT INDEX MODULE ID 06990000 |
| 08 | 0452 78C6C3C3 | 0455 887 XRFCC DC | CL4'FCC' 2ND FORMAT INDEX MODULE ID 07000000 |
| | 0456 C3C37CC6 | 0459 888 XRCCA DC | CL4'CC@' SUBCON OPTIONAL FRMT INDX @a238 07010000 |
| | 045A 78C2C3D7 | 045D 889 XRBCP DC | CL4'BCP' 3RD FORMAT INDEX MODULE ID @a220 07020000 |
| 09 | 045E 78C2C3C3 | 0461 890 XRBC DC | CL4'BCC' 4TH FORMAT INDEX MODULE ID @a220 07030000 |
| | 0462 C3C35BC6 | 0465 891 XRCC\$ DC | CL4'CC\$' SUBCON OPTIONAL FRMT INDX @a220 07040000 |

*****XRF CROSS-REFERENCE

ERR LOC OBJECT CODE

02 0466 000000

0469 000000

03 046C 000000

046F 000000

04 0472

0475

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05 0477 00

06 0478 000000

07 047B FFFF

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047F 0860

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| 0052 2558 JCBDC1B@ EQU JCBDF1B@+2 ADDRESS OF COMPILER INFORMATION BLOCK |
| 0054 2560 JCBDDTF@ EQU JCBDC1B@+2 ADDRESS OF FIRST DTF ON CHAIN |
| 0055 2562 JCBDSLRLR EQU JCBDDTF@+1 SYSLIST CRT LINES REQUESTED |
| 0056 2564 JCBDDFRG EQU JCBDSLRLR+1 REGION SIZE (DEFAULT) |
| 0057 2566 JCBDJBRG EQU JCBDDFRG+1 REGION SIZE (JOB) |
| 005E 2568 JCBDMENF EQU 'CBDJBRG+7 MENU FORMAT INDEX (NON-RELEASED US JOBS) |

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| 28 V09/11/81 12/08/81 00:29 |
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| 07020000 |
| 07030000 |
| 07040000 |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|-------------|------|-------|--------------------------|---|
| 02 | 0466 000000 | 0468 | 893 | XRFPCSSS DC XL3'000000' | SSS OF #FPCPF - FORMAT INDEX 07060000 |
| | 0469 000000 | 0468 | 894 | XRFCCSSS DC XL3'000000' | SSS OF #FCCF OR #CC@FMT IF OPT 07070000 |
| | | | 895 * | | SUBCONSOLE - 2ND FORMAT INDEX 07080000 |
| 03 | 046C 000000 | 046E | 896 | XRBPCSSS DC XL3'000000' | SSS OF #BCPF - 3RD FORMAT @@220 07090000 |
| | 046F 000000 | 0471 | 897 | XRBCCSSS DC XL3'000000' | SSS OF #BCCF OR #CC@FMT @220 07100000 |
| | | | 898 * | | IF OPT SUBCON - 4TH FORMAT @220 07110000 |
| 04 | 0472 | 0474 | 899 | XRFNPSSS DS CL3 | SSS OF NO-OP MODULE - #MANOP 07120000 |
| | 0475 | 0475 | 900 | XRFNP@TX DS CL1 | NUMBER OF TEXT SECTORS OF MANOP 07130000 |
| | 0476 | 0476 | 901 | XRFNPRLD DS CL1 | RLD OF NO-OP TRANSIENT 07140000 |
| 05 | 0477 00 | 0477 | 903 | XRFWITCH DC XL1'00' | INDICATOR FOR RESOLUTION 07160000 |
| | | 0080 | 904 | XRFRSOLV EQU X'80' | S/S/S RESOLVED FOR MODULE 07170000 |
| 06 | 0478 000000 | 047A | 905 | XRFEMPTY DC XL3'000000' | TO TEST FOR 0 ACTIVE SECTORS 07180000 |
| | | | 906 * | | AND NO MODULE - SSS OF 0 07190000 |
| | 047B FFFF | 047C | 907 | XRFEDT DC XL2'FFFF' | END OF TABLE DELIMITER 07200000 |
| 07 | 047D | 047E | 908 | XRFCHECK DS XL2 | 07210000 |
| | 047F 0860 | 0480 | 909 | XRFNDWTP DC AL2(XRFBUFF) | 07220000 |
| 08 | 0481 | 0482 | 910 | SAVXR1 DS XL2 | 07230000 |
| | 0483 | 0484 | 911 | SAVXR2 DS XL2 | 07240000 |
| | | 0006 | 912 | XRFQMOD EQU C'0' | CHECK FOR '0' TYPE MODULE 07250000 |
| | | 0001 | 913 | XRFIRENT EQU 1 | OFFSET OF FIRST CHARACTER 07260000 |
| 09 | | 0005 | 914 | XRFDIR25 EQU XRFIRENT+4 | OFFSET OF 2ND - 5TH CHARS 07270000 |
| | | 001C | 915 | XRFIRNEX EQU 28 | OFFSET TO NEXT DIRECTORY ENT 07280000 |
| | | 0004 | 916 | XRFIRPAD EQU 4 | LENGTH OF DIRECTORY PADDING 07290000 |
| 10 | | 0003 | 917 | XRFXRNM1 EQU 3 | OFFSET OF RT BYTE OF NAME IN WTG 07300000 |
| | | 0003 | 918 | XRFQXR25 EQU XRFXRNM1 | OFFSET OF NAME IN WTG TABLE 07310000 |
| | | 0006 | 919 | XRFQXRSS EQU XRFQXR25+3 | OFFSET OF S/S/S 07320000 |
| 11 | | 0007 | 920 | XRFXRSS# EQU XRFQXRSS+1 | OFFSET OF NUMBER OF TEXT SECTORS 07330000 |
| | | 0008 | 921 | XRFXRRLD EQU XRFXRSS#+1 | OFFSET OF RLD DISPLACEMENT 07340000 |
| | | 0009 | 922 | XRFXRWTG EQU XRFXRRLD+1 | OFFSET OF WTG TABLE INDICATOR 07350000 |
| 12 | | 000A | 923 | XRFXRNEX EQU XRFXRWTG+1 | OFFSET OF NEXT TABLE ENTRY 07360000 |

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|----|-----------------------------------|------------------------------------|----|
| 16 | 0003 2611 JCBDCCB# EQU JCBDCCB#+2 | CHECK POINT CONTROL BLOCK POINTER | 16 |
| | 0005 2612 JCBDP1ST EQU JCBDCCB#+2 | PHONE LIST CHAIN POINTER | |
| 17 | 0006 2614 JCBDLPI# EQU JCBDP1ST+1 | LPI VALUE | 17 |
| | 0004 2615 JCBMLPI EQU X'04' | 4 LPI SPECIFIED ON FORMS STATEMENT | |
| | 0006 2616 JCBM6LPI EQU X'06' | 6 LPI SPECIFIED ON FORMS STATEMENT | |
| 18 | 0008 2617 JCBM8LPI EQU X'08' | 8 LPI SPECIFIED ON FORMS STATEMENT | 18 |
| | 000F 2619 JCBGERSV EQU JCBDLPI#+9 | RESERVED AREA | |
| 19 | 0010 2620 JCBDELNG EQU JCBGERSV+1 | LENGTH OF JCB EXTENSION | 19 |
| | 2621 *** END OF EXPANSION ** | | |
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| 29 V09/11/81 12/08/81 00:29 | | **MAXRF CROSS-REFERENCE RESOLVER | | PAGE 30 V09/11/81 17/08/81 00:29 | | **MAXRF CROSS-REFERENCE | |
|-----------------------------|-------------|----------------------------------|-------|--|------------------------------|-------------------------|---------------------|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | ERR LOC | OBJECT CODE |
| 02 | | 925 | *RFLD | \$LOAD | LOAD-0 | 02 | |
| | | 0485 | 926 | XRFLD | EQU * | | |
| | | | | | RELOCATING LOADER PARAM LIST | | |
| 03 | 0485 000000 | 0487 | 927 | DC | AL3(0) | 03 | |
| | 0488 00 | 0488 | 928 | DC | AL1(0) | | |
| | 0489 0000 | 048A | 929 | DC | AL2(0) | | |
| 04 | 048B 0000 | 048C | 930 | DC | AL2(0) | 04 | |
| | 048D 00 | 048D | 931 | DC | AL1(0) | | |
| | 048E 00 | 048E | 932 | DC | AL1(0) | | |
| 05 | 048F 0000 | 0490 | 933 | DC | AL2(0) | 05 | |
| | | 934 | *** | END OF EXPANSION ** | | | |
| | | 935 | * | \$LOAD | | | |
| 06 | | 936 | ***** | ***** | | 06 | 0491 DF |
| | | 937 | * | MAIN STORAGE RELOCATING LOADER PARAMETER LIST EQUATES | * | | 0492 00 |
| | | 938 | ***** | ***** | | | 0493 20 |
| 07 | | 0002 | 939 | \$LDDSS | EQU 2 | 07 | 0494 01 |
| | | 0003 | 940 | \$LDDTEXT | EQU \$LDDSS+1 | | 0495 04C1 |
| | | 0005 | 941 | \$LDDLK | EQU \$LDDTEXT+2 | | 0497 E7D9 |
| 08 | | 0007 | 942 | \$LDDSTR | EQU \$LDDLK+2 | 08 | 0499 2599 |
| | | 0008 | 943 | \$LDDR1D | EQU \$LDDSTR+1 | | 049B 09 |
| | | 944 | * | | CONTAINING R1DS | | 049C 40 |
| 09 | | 0009 | 945 | \$LDDTOT | EQU \$LDDR1D+1 | 09 | 049D 4040 |
| | | 000B | 946 | \$LDDLOAD | EQU \$LDDTOT+2 | | 049F 40404040404040 |
| | | 000C | 947 | \$LDDLEN | EQU \$LDDLOAD+1 | | 04A7 0000 |
| 10 | | 949 | ***** | ***** | | 10 | |
| | | 950 | * | R1B VALUES FOR THE RELOCATING LOADER | * | | |
| | | 951 | ***** | ***** | | | |
| 11 | | 952 | * | | | 11 | |
| | | 953 | * | R1B BIT EQUATES FOR VARIOUS LOADER FUNCS | | | |
| | | 954 | * | | | | |
| 12 | | 0001 | 955 | \$LDRELAD | EQU X'01' | 12 | |
| | | 0002 | 956 | \$LDTOADR | EQU X'02' | | |
| | | 0004 | 957 | \$LDFETCH | EQU X'04' | | |
| 13 | | 0008 | 958 | \$LDSFTCH | EQU X'08' | 13 | |
| | | 0010 | 959 | \$LDAMP1D | EQU X'10' | | |
| | | 960 | * | | | | |
| 14 | | 961 | * | R1B BYTE EQUATES FOR ALL LOADER FUNCS | | 14 | |
| | | 962 | * | | | | |
| 15 | | 963 | * | NOTE: ANY OTHER R1B VALUES WILL CAUSE UNPREDICTABLE ERRORS | | 15 | |
| | | 964 | * | | | | |
| | | 0001 | 965 | \$LDMSSLD | EQU \$LDRELAD | | |
| | | 0002 | 966 | \$LDMLOAD | EQU \$LDTOADR | | |
| 16 | | 000A | 967 | \$LDM1SLD | EQU \$LDMLOAD+\$LDSFTCH | 16 | |
| | | 0004 | 968 | \$LDM1FTCH | EQU \$LDM1FTCH | | |
| | | 0006 | 969 | \$LDM1FCHA | EQU \$LDM1FTCH+\$LDTOADR | | |
| 17 | | 000E | 970 | \$LDM1SFCH | EQU \$LDM1FCHA+\$LDSFTCH | 17 | |
| | | 971 | *** | END OF EXPANSION ** | | | |
| 18 | | | | | | 18 | |
| 19 | | | | | | 19 | |
| 20 | | | | | | 20 | |

| | | | |
|----|--|----|------|
| 16 | 0003 2663 D1NUNXT3 EQU D1NUNXT2+1 X1ENT WORK SPACE # 3 | 16 | 0002 |
| | 0004 2664 D1NUNXT4 EQU D1NUNXT3+1 X1ENT WORK SPACE # 4 | | 0001 |
| | 0005 2665 D1NUNXT5 EQU D1NUNXT4+1 X1ENT WORK SPACE # 5 | | |
| 17 | 0006 2666 D1NUNXT6 EQU D1NUNXT5+1 X1ENT WORK SPACE # 6 | 17 | |
| | 0007 2667 D1NUNXT7 EQU D1NUNXT6+1 X1ENT WORK SPACE # 7 | | |
| | 2668 * | | |
| 18 | 0009 2669 D1DSKTAB EQU D1NUNXT0 DISK EXTENT TABLE (USED BY IPL ONLY) | 18 | |
| | 0004 2670 D1DSKTBL EQU 4 LENGTH OF A DISK EXTENT TABLE ENTRY | | |
| | 2671 * | | |
| | 2672 ** ***** | | |
| 19 | 2673 * 'UNUSED WORDS' * | 19 | 0011 |
| | 2674 ***** | | 0012 |
| 20 | 0008 2675 D1UNUS08 EQU D1NUNXT7+1 UNUSED | 20 | 0013 |

B34

| | |
|-------------------------|----|
| 09/11/81 12/08/81 00:29 | 01 |
| 07380000 | 02 |
| | 03 |
| | 04 |
| 07390000 | 05 |
| | 06 |
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|--------------------------------|------|---------------------------------|---|
| MAXRF CROSS-REFERENCE RESOLVER | | PAGE 31 09/11/81 12/08/81 00:29 | |
| ERR LOC OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| | | 973 | *RFSLG4 \$LMSG TYPE-4,MIC-2599,WRSTE-YES,MSGMBR-SSP,HALT-YES, |
| | | 974 | * PGMID-SSP,COMID-PA,SUBID-XR,OPTNO-YES,OPTN3-YES, |
| | | 975 | * FORMAT-YES |
| | 0491 | 976 | XRFSLG4 EQU * |
| | | 978 | ***** |
| | | 979 | * * |
| | | 980 | * SYSLOG PARAMETER LIST * |
| | | 981 | * TYPE-4 * |
| | | 982 | * * |
| | | 983 | ***** |
| 0491 DF | 0491 | 985 | DC AL1(132+64+16+8+2+1) TYPE 4 |
| 0492 00 | 0492 | 986 | DC AL1(0+0+0+0+0+0) FCN BYTE 2 |
| 0493 20 | 0493 | 987 | DC AL1(32) MESSAGE MEMBER |
| 0494 01 | 0494 | 988 | DC AL1(1) PROGRAM ID |
| 0495 D4C1 | 0496 | 989 | DC CL2'MA' COMPONENT ID |
| 0497 E7D9 | 0498 | 990 | DC CL2'XR' SUBCOMPONENT ID |
| 0499 2599 | 049A | 991 | DC XL2'2599' MIC |
| 049B 09 | 049B | 992 | DC AL1(9) OPTIONS |
| 049C 40 | 049C | 993 | DC CL1' ' NOT USED |
| 049D 4040 | 049E | 994 | DC CL2' ' NOT USED |
| 049F 4040404040404040 | 04A6 | 995 | DC CL8' ' 8 BYTES TO ADD TO MESSAGE |
| 04A7 0000 | 04A8 | 996 | DC AL2(0) TUB ADDRESS |
| | | 997 | * END OF EXPANSION |
| | | 998 | *** END OF EXPANSION ** |

| | |
|------------------------------|------|
| MAXRF CROSS-REFERENCE RESOLV | |
| ERR LOC OBJECT CODE | ADDR |
| 04A9 7BD4C1E7D9C64060 | 04BA |
| 04B1 4 407C4C1E3C540 | |
| 04B9 F0F761F1F761F8F0 | |
| 04C1 406040F1F6F0F040 | |
| 04C9 4040404040404040 | |
| 04D1 4040404040404040 | |
| 04D9 4040 | 04DB |
| | 04DB |
| 04DB | 05BA |
| 05BB | 05BB |
| | 069A |
| | 069B |
| 069B | 077A |
| | 077B |
| 077B | 085A |
| | 085E |
| 085E FFFF | 0C5F |
| | 0B60 |
| | 0C5F |
| | 0C60 |

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|----|---|---|---|-------------------|
| 16 | 0002 2718 PSIP11 EQU X'02' | IPL FROM DISKETTE INDICATOR | 3 | 0025 2772 ADVANTG |
| | 0001 2719 MLCA32K EQU X'01' | MLCA 32K CONTROLLER | | 2773 * |
| 17 | 2720 ***** | | | 2774 * |
| | 2721 * CONTROL STORAGE SIZE IN SECTORS (LOW BYTE) | | | 2775 * |
| | 2722 ***** | | | 0000 2776 ADVANTG |
| 18 | 2723 * | | | 0040 2777 ADVANTG |
| | 2724 ***** | | | 0020 2778 ADVANTG |
| | 2725 * 'CONSTANT' POINTERS TO CONTROL STORAGE ITEMS | | | 0010 2779 ADVANTG |
| | 2726 ***** | | | 2780 * |
| 19 | 0011 2727 DISTKA EQU D1INDR1+1 | ADDR OF START OF REG STACK | | 0000 2781 ADVANTG |
| | 0012 2728 DISVCIMB EQU D1STKA+1 | ADDR OF IMMEDIATE SVC TABLE | | 0004 2782 ADVANTG |
| 20 | 0013 2729 DISWPHIN EQU DISVCIMB+1 | MINIMUM NUMBER OF PAGES TO PARTIAL SWAP | | 0002 2783 ADVANTG |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|----------------------------------|------------------|----------|----------|--------------|---|----------|---------|-------------|------|------|--------|---------------------|
| 01 | **MAXRF CROSS-REFERENCE RESOLVER | | | | | | | | | | | | |
| 02 | 04A9 | 7B04C1E7D9C64060 | 04DA | 1000 | XRFPATCH DC | CL50 **MAXRF - UPDATE 07/17/80 - 1600' | 07450000 | 01 | | | | | 1019 * |
| | 04B1 | A E4D7C4C1E3C540 | | 1000 | | | | | | | | | 1021 ***** |
| 03 | 04B9 | F0F761F1F761F8F0 | | 1000 | | | | | | | | | 1022 * |
| | 04C1 | 406040F1F6F0F040 | | 1000 | | | | | | | | | 1023 * |
| | 04C9 | 4040404040404040 | | 1000 | | | | | | | | | 1024 * |
| 04 | 04D1 | 4040404040404040 | | 1000 | | | | | | | | | 1025 ***** |
| | 04D9 | 4040 | | 1000 | | | | | | | | | |
| 05 | 04DB | 1001 | XRFMTAB | EQU * | | IN-CORE FORMAT INDEX TABLE | 07460000 | | | | | | 0000 1027 F1ADDFLG |
| | | 1002 * | | | | MAX 128 ENTRIES, EACH 7 BYTES @220 | 07470000 | | | | | | 005C 1028 F1ANLTS7 |
| | | 1003 * | | | | 32 FOR EACH FORMAT MODULE | 07480000 | | | | | | |
| | 04DB | 1004 | XRFMTAB1 | EQU * | | | 07490000 | | | | | | 0000 1030 F1ANLNLB |
| 06 | 05BA | 1005 | DS | CL224 | | 32 ENTRIES FOR **FCPF | 07500000 | | | | | | 0001 1031 F1ANYSYS |
| | 05BB | 1006 | XRFMTAB2 | EQU * | | | 07510000 | | | | | | 1032 * |
| | 05BB | 069A | 1007 | DS | CL224 | 32 ENTRIES FOR **FCCF | 07520000 | | | | | | |
| 07 | 069B | 069B | 1008 | XRFMTAB3 | EQU * | | 07530000 | | | | | | |
| | 077A | 1009 | DS | CL224 | | 32 ENTRIES FOR **BCPF @220 | 07540000 | | | | | | 0000 1034 F1ANDATE |
| | 077B | 1010 | XRFMTAB4 | EQU * | | | 07550000 | | | | | | |
| 08 | 077B | 085A | 1011 | DS | CL224 | 32 ENTRIES FOR **BCCF @220 | 07560000 | | | | | | 0000 1036 F1ANDSIDR |
| | 085E | 1012 * | | | | ?? **FCPF MUST BE FULL BEFORE USING THESE | 07570000 | | | | | | 000C 1038 F1ADTYPE |
| | 085E | FFFF | 085F | 1014 | DC | XL2 'FFFF' | 07580000 | | | | | | 0000 1039 F1ANDNDK |
| 09 | 0860 | 1015 | XRFBUFF | EQU * | | FORES TO PREVENT WIPE OUT | 07600000 | | | | | | 0040 1040 F1ANDNRC |
| | 0C5F | 1016 | XRFBUFF | EQU | XRFBUFF+1023 | LAST BYTE OF 4 SECTOR BUFFER | 07610000 | | | | | | 0020 1041 F1ANDNRC |
| 10 | 0C60 | 1017 | XRFBUFF | EQU | XRFBUFF+1024 | START OF RESIDENT TABLE | 07620000 | | | | | | 0010 1042 F1ANDNRC |
| 11 | | | | | | | | | | | | | 0000 1043 F1ANDNRC |
| 12 | | | | | | | | | | | | | 0004 1044 F1ANDNRC |
| 13 | | | | | | | | | | | | | 0002 1045 F1ANDNRC |
| 14 | | | | | | | | | | | | | 0001 1046 F1ANDNRC |
| 15 | | | | | | | | | | | | | 0000 1048 F1ANDNRC |
| 16 | | | | | | | | | | | | | 1050 ***** |
| 17 | | | | | | | | | | | | | 1051 * THE F |
| 18 | | | | | | | | | | | | | 1052 ***** |
| 19 | | | | | | | | | | | | | 0000 1054 F1ANDNRC |
| 20 | | | | | | | | | | | | | 0040 1055 F1ANDNRC |
| | | | | | | | | | | | | | 0010 1056 F1ANDNRC |
| | | | | | | | | | | | | | 1057 * |
| | | | | | | | | | | | | | 0000 1058 F1ANDNRC |
| | | | | | | | | | | | | | 1059 * |
| | | | | | | | | | | | | | 1061 ***** |
| | | | | | | | | | | | | | 1062 * THE F |
| | | | | | | | | | | | | | 1063 * OFF |
| | | | | | | | | | | | | | 1064 ***** |
| | | | | | | | | | | | | | 0000 1066 F1ANDNRC |
| | | | | | | | | | | | | | 1067 * |
| | | | | | | | | | | | | | 0000 1068 F1ANDNRC |
| | | | | | | | | | | | | | 1069 * |
| | | | | | | | | | | | | | 0020 1071 F1ANDNRC |
| | | | | | | | | | | | | | 0004 1072 F1ANDNRC |

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| 8 | 2770 * ALTER/DISPLAY CONTROL WORD * |
| 16 | 0025 2772 DIADCNTL EQU D1DSPFLG+1 ALTER/DISPLAY CONTROL WORD |
| | 2773 * |
| 17 | 2774 * HIGH BYTE CONTROL BITS |
| | 2775 * |
| | 0080 2776 ADEXIT EQU X'80' EXIT ALTER/DISPLAY. |
| | 0040 2777 ADSYS DMP EQU X'40' ALTER/DISPLAY SYSTEM DUMP REQUEST. |
| 18 | 0020 2778 ADINQRY EQU X'20' DISPLAY A/D OPTION MENU. |
| | 0010 2779 ADTRACE EQU X'10' INSTRUCTION TRACE, STEP, ADDRESS COMPARE |
| | 2780 * ENTRY INTO ALTER/DISPLAY. |
| 19 | 0008 2781 ADWAITNG EQU X'08' ALTER/DISPLAY WAITING. |
| | 0004 2782 ADACTIVE EQU X'04' ALTER/DISPLAY ACTIVE. |
| 20 | 0002 2783 ADITRMOD EQU X'02' A/D IN INSTRUCTION TRACE MODE. |

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|-----------------------------|--|----------------------------------|
| 32 V09/11/81 12/08/81 00:29 | MAXRF CROSS-REFERENCE RESOLVER | PAGE 33 V09/11/81 12/08/81 00:29 |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT | |
| 02 | 07450000 1019 * F1EQU 07640000 | |
| 03 | 1021 ***** | |
| | 1022 * * | |
| | 1023 * DISK FOR IAT-1 * | |
| | 1024 * * | |
| 04 | 1025 ***** | |
| 05 | 0000 1027 FIADDFLG EQU 0 LATEST DATE INDICATOR | |
| | 005C 1028 FIAMLTST EQU C'*' FILE HAS LATEST DATE FOR THIS LABEL | |
| 06 | 0008 1030 FIADLABL EQU FIADDFLG+8 FILE LABEL | |
| | 0001 1031 FIAMSYSF EQU X'01' 'SYSTEM FILES' MUST HAVE A LABEL WHICH | |
| | 1032 * BEGINS WITH X'01' | |
| 07 | 0008 1034 FIADDATE EQU FIADLABL+3 CREATION DATE | |
| 08 | 0008 1036 FIADSDIR EQU FIADDATE LIBRARY - START OF DIRECTORY | |
| 09 | 000C 1038 FIADTYPE EQU FIADDATE+1 FILE TYPE | |
| | 0080 1039 FIAMINDX EQU X'80' BIT ON = INDEXED FILE | |
| | 0040 1040 FIAMCONS EQU X'40' BIT ON = CONSECUTIVE FILE | |
| | 0020 1041 FIAMDIRC EQU X'20' BIT ON = DIRECT FILE | |
| | 0010 1042 FIAMRDFL EQU X'10' BIT ON = I1 UNIT, BIT OFF = F1 UNIT | |
| | 0008 1043 FIAMPERM EQU X'08' BIT ON = PERMANENT FILE ('P') | |
| | 0004 1044 FIAMTEMP EQU X'04' BIT ON = TEMPORARY FILE ('T') | |
| | 0002 1045 FIAMJOBR EQU X'02' BIT ON = JOB FILE ('J') | |
| | 0001 1046 FIAMSCRT EQU X'01' BIT ON = SCRATCH FILE ('S') | |
| 10 | 000D 1048 FIADSFGL EQU FIADTYPE+1 FLAG BYTE | |
| 11 | 1050 ***** | |
| 12 | 1051 * THE FOLLOWING FOUR BIT MASKS ARE VALID ONLY IF 'FIAMINDX' IS ON * | |
| 13 | 1052 ***** | |
| 14 | 0080 1054 FIAMSORT EQU X'80' BIT ON = SORT KEYS | |
| | 0040 1055 FIAMMRGE EQU X'40' BIT ON = MERGE KEYS | |
| | 0010 1056 FIAMDPCK EQU X'10' BIT ON = UNORDERED LOAD | |
| | 1057 * (CHECK DUPLICATE KEYS) | |
| 15 | 0008 1058 FIAMXNFG EQU X'08' BIT ON = INVALID INDEX | |
| | 1059 * (KEYSORT MAYBE IN PROCESS) | |
| 16 | 1061 ***** | |
| 17 | 1062 * THE FOLLOWING BIT MASKS FOR X'80' ARE VALID ONLY IF 'FIAMINDX' IS * | |
| | 1063 * OFF * | |
| | 1064 ***** | |
| 18 | 0080 1066 FIAMSCMD EQU X'80' SECTOR MODE LIBRARIAN FILE | |
| | 1067 * (IF 'FIAMBFL' IS ON) | |
| | 0080 1068 FIAMSCLB EQU X'80' SECURE LIBRARY | |
| | 1069 * (IF FIADRECL = X'0000') | |
| 19 | 0020 1071 FIAMNEW EQU X'20' BIT ON = NEW FILE | |
| 20 | 0004 1072 FIAMSPAL EQU X'04' SPINDLE A1 REQUESTED ORIGINALLY | |

A36

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|----|-----------------------------------|---|
| 16 | 0000 2020 ASGNRNR EQU X'00' | PERMANENT ASSIGN FAILURE HAS OCCURRED. |
| 17 | 0040 2827 AFINPROG EQU X'40' | ASSIGN RECOVERY IN PROGRESS. |
| | 0020 2828 ASGNSEQ EQU X'20' | ASSIGN RECOVERY SEQUENCE HAS BEEN STARTED |
| | 0010 2829 ASGNPAGE EQU X'10' | A PAGE HAS BEEN ASSIGNED. |
| | 0008 2830 ASGNMATR EQU X'08' | ASR WAITER OUTSTANDING MUST RECOVER |
| 18 | 000F 2831 ASGNRTRY EQU X'0F' | MAXIMUM NUMBER OF RELOOPS |
| | 2832 * LOW BYTE | USED FOR A COUNTER |
| | 2833 * | |
| 19 | 0020 2834 DITIMAB EQU D1ASRFLG+1 | TIMER MAB SAVE AREA. |
| | 0019 2835 D1TPTOXH EQU D1TIMAB+1 | TOX OF FIRST TOE ON QUEUE (HIGH.) |
| | 0079 2836 D1TPTOXL EQU D1TPTOXH+1 | TOX OF FIRST TOE ON QUEUE (LOW.) |
| 20 | 2837 * | |

| | | |
|----|------------------------|-------------------------|
| 17 | 0040 2881 D1RTTABL EQU | 2882 * |
| | | 2883 ***** |
| | | 2884 * *NON-CONS |
| | | 2885 ***** |
| 18 | 0041 2896 D1LLSARK EQU | 0042 2887 D1LSAVEIN EQU |
| 19 | 0043 2888 D1TAWG EQU | 0044 2889 D1CURTCB EQU |
| | 0045 2890 D1XTCBB EQU | 0046 2891 D1LDACEB EQU |

C01

| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 34 V09/11/81 12/08/81 00:29 | |
|---------------------------------|-------------|---|---|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 0002 1073 FIAMSPA2 EQU X'02' | SPINDLE A2 REQUESTED ORIGINALLY |
| 03 | | 1075 * IF BOTH OF THE PREVIOUS TWO BITS ARE OFF, THEN NO ORIGINAL SPINDLE | |
| | | 1076 * PREFERENCE WAS SPECIFIED | |
| 04 | | 0001 1078 FIAMLBFLE EQU X'01' | BIT ON = LIBRARIAN FILE |
| | | 000F 1080 FIADRECL EQU FIADSFLE+2 | RECORD LENGTH |
| 05 | | 0010 1082 FIADHIGH EQU FIADRECL+1 | HIGH ORDER BYTE OF BLOCKS/RECORDS FIELD |
| | | 0080 1083 FIAMBLRN EQU X'80' | BIT ON = FILE ALLOCATED WITH BLOCKS, |
| | | 1084 * BIT OFF = FILE ALLOCATED WITH RECORDS | |
| 06 | | 0012 1085 FIADBLKN EQU FIADRECL+3 | BLOCKS USED TO ALLOCATE THE FILE |
| | | 0012 1086 FIADRECN EQU FIADRECL+3 | RECORDS USED TO ALLOCATE THE FILE |
| 07 | | 0011 1088 FIADLBOW EQU FIADRECL+2 | LIBRARY - OWNER QUEUE POINTER |
| 08 | | 0012 1090 FIADLBSU EQU FIADLBOW+1 | LIBRARY - COUNT OF CURRENT USERS |
| 09 | | 0015 1092 FIADLSTR EQU FIADRECN+3 | RELATIVE RECORD NUMBER OF NEXT RECORD |
| 10 | | 0015 1094 FIADSMEM EQU FIADLSTR | LIBRARY - START OF MEMBERS |
| 11 | | 0015 1096 FIADRFST EQU FIADLSTR | START SSS OF RESERVED AREA FREE SPACE |
| | | 1097 * (3 BYTES) | |
| 12 | | 0018 1099 FIADSTDA EQU FIADLSTR+3 | SSS OF START OF DATA |
| | | 0018 1101 FIADENDA EQU FIADSTDA+3 | SSS OF END OF EXTENT |
| 13 | | 0010 1103 FIADVTOC EQU FIADENDA+2 | RELATIVE S/D OF VTOC ENTRY |
| 14 | | 1105 * ----- @419 | |
| | | 1106 * @419 | |
| | | 1107 * RE-DEFINITION OF 'FIADVTOC' FOR RELEASE 8 @419 | |
| | | 1108 * @419 | |
| | | 1109 * BYTE 0 1 @419 | |
| | | 1110 * ----- @419 | |
| | | 1111 * BIT 0 1 2 3 4 5 6 7 0 1 2 3 4 5 6 7 @419 | |
| | | 1112 * ----- @419 | |
| | | 1113 *RESERVED = 0 @419 | |
| | | 1114 *OFFSET = X X X @419 | |
| | | 1115 *RESERVED = 0 @419 | |
| | | 1116 *SECTOR NUMBER = Y Y Y Y Y Y Y Y Y @419 | |
| | | 1117 * @419 | |
| | | 1118 * WHERE 'XXX' IS DEFINED BELOW: @419 | |
| | | 1119 * III @419 | |
| | | 1120 * VVV @419 | |
| 18 | | 0010 1121 FIAMV1ST EQU B'00010000' | FIRST FORMAT-1 IN SECTOR @419 |
| | | 1122 * (ALSO INCREMENTS OFFSET) @419 | |
| 19 | | 0020 1123 FIAMV2ND EQU B'00100000' | SECOND FORMAT-1 IN SECTOR @419 |
| | | 0030 1124 FIAMV3RD EQU B'00110000' | THIRD FORMAT-1 IN SECTOR @419 |
| | | 0040 1125 FIAMV4TH EQU B'01000000' | FOURTH FORMAT-1 IN SECTOR @419 |
| 20 | | 0070 1126 FIAMVALL EQU B'01110000' | CLEARs OFFSET @419 |

| #MAXRF CROSS-REFERENCE RESOLVER | |
|---------------------------------|------------------------|
| ERR LOC | OBJECT CODE |
| 02 | |
| 03 | 001E 1128 FIALLVTA EQU |
| 04 | 1130 ***** |
| | 1131 * THE |
| | 1132 * (EXC |
| | 1133 * @419 |
| | 1134 * @419 |
| | 1135 ***** |
| 06 | 001F 1137 FIADFCHE EQU |
| 07 | 0020 1139 FIADATT1 EQU |
| | 0080 1140 FIADKIND EQU |
| 08 | 0021 1142 FIADCONT EQU |
| 09 | 0022 1144 FIADATT2 EQU |
| | 0080 1145 FIADOTAD EQU |
| | 0040 1146 FIAMKBR EQU |
| | 0020 1147 FIAMINFR EQU |
| | 1148 * @419 |
| 10 | 0010 1149 FIAMKAS EQU |
| | 1150 * @419 |
| 11 | 0008 1151 FIAMNREC EQU |
| | 1152 * @419 |
| | 0004 1153 FIAMNFG EQU |
| | 1154 * @419 |
| 12 | 0002 1155 FIAMFIL EQU |
| | 0001 1156 FIAMOLM EQU |
| | 1157 * @419 |
| 13 | 0023 1159 FIADATT3 EQU |
| | 1160 * @419 |
| | 1161 * @419 |
| 14 | 0080 1162 FIAMSCFL EQU |
| 15 | 0040 1163 FIAMCKPT EQU |
| | 0020 1164 FIADLTC EQU |
| | 0010 1165 FIAMIFIL EQU |
| | 0008 1166 FIAMGASK EQU |
| 16 | 0025 1168 FIADOLNR EQU |
| | 0027 1169 FIADDFEQ EQU |
| 17 | 0027 1171 FIADRFED EQU |
| | 1172 * @419 |
| 18 | 1174 ***** |
| | 1175 * @419 |
| 19 | 1176 * THE |
| | 1177 * @419 |
| 20 | 1178 * NOTE |

B01

| | | |
|----|--------------------------|--|
| 01 | LYC7 - 1364 - 7 | IBM SYSTEM/34 SYSTEM SUPPORT PROGRAM PRODUCT |
| | 29 JANUARY 82 | PROGNO 5726-SS1 REL: R08-R00 |
| 02 | COPYRIGHT IBM CORP. 1978 | LICENSED MATERIAL - PROPERTY OF IBM |
| 03 | ***** | ***** |
| 04 | ***** | ***** |
| 05 | ***** | ***** |

| | |
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| 01 | #MAXRF 12/07/81 11:51 |
| 02 | |
| 03 | |
| 04 | |
| 05 | |

| | | | | | | |
|----|-----------|---|-----|------------|----------------------------------|--------|
| 17 | 2883 | *****NON-CONS'ANT POINTERS TO MAIN STORAGE ITEMS***** | | | 17 | 0040 2 |
| 18 | 2884 * | ***** | | | 18 | 0020 2 |
| | 0041 2896 | DIL5WRK | EQU | DIRTTABL+1 | WORK AREA FOR USE ON IL5 | 0008 2 |
| | 0042 2887 | DISAVEIN | EQU | DIL5WRK+1 | POST ROUTINE INPUT SAVE AREA | 0004 2 |
| | 0043 2888 | DILARs | EQU | DISAVEIN+1 | SAVE AREA FOR INPUT IAR VALUE | 0002 2 |
| 19 | 0044 2889 | DICURTCB | EQU | DILARs+1 | ADDR OF MAIN STORAGE WORKING TCB | 0001 2 |
| | 0045 2890 | DIXTCB | EQU | DICURTCB+1 | MS XIENT AREA OWNER. | 0000 2 |
| 20 | 0046 2891 | DILDACE | EQU | DIXTCB+1 | ADDR OF ACTIVE M.S. LOADER ACE | 2 |

C02

09/11/81 12/08/81 00:29

#MAXRF CROSS-REFERENCE RESOLVER PAGE 35 V09/11/81 12/08/81 00:29

| ERR LOC OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------------------|------|--|--------|---|
| 001E | 1128 | F1ALIVTA | EQU | F1ADVTOC+1 LENGTH OF THE FIRST VTOC AREA |
| 1130 | * | * | * | ***** |
| 1131 | * | * | * | ***** |
| 1132 | * | THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN THE AFA FORMAT-1 | | |
| 1133 | * | (EXCEPT WHERE NOTED OTHERWISE) | | |
| 1134 | * | * | * | ***** |
| 1135 | * | * | * | ***** |
| 001F | 1137 | F1ADFCHN | EQU | F1ADVTOC+2 FORWARD CHAIN POINTER |
| 0020 | 1139 | F1ADATT1 | EQU | F1ADFCHN+1 ATTRIBUTE BYTE ONE |
| 0080 | 1140 | F1AMXTND | EQU | X'80' EXTEND CAPABLE FILE |
| 0021 | 1142 | F1ADCONT | EQU | F1ADATT1+1 COUNT OF CURRENT USERS |
| 0022 | 1144 | F1ADATTR | EQU | F1ADCONT+1 ATTRIBUTE BYTE THREE |
| 0080 | 1145 | F1AMOTAD | EQU | X'80' BIT ON = FILE OPENED AS OUTPUT OR ADD |
| 0040 | 1146 | F1AMKBR | EQU | X'40' BIT ON = KEY BUCKET HAS BEEN PRIMED |
| 0020 | 1147 | F1AMINFR | EQU | X'20' BIT ON = INDEXED PORTION OF F1 HAS BEEN |
| 1148 | * | * | * | FREED BY ALLOCATE |
| 0010 | 1149 | F1AMHKAS | EQU | X'10' BIT ON = HIGH KEY BUCKET ASSIGNED |
| 1150 | * | * | * | (NOT TO BE USED BY TERMINATION) |
| 0008 | 1151 | F1AMNREC | EQU | X'08' BIT ON = NON-FORMATTED FILE |
| 1152 | * | * | * | (VALID IN THE VTOC) |
| 0004 | 1153 | F1AMDNG | EQU | X'04' BIT ON = INVALID DATA AREA |
| 1154 | * | * | * | (VALID IN THE VTOC) |
| 0002 | 1155 | F1AMRFL | EQU | X'02' BIT ON = FILE ALLOCATED IN RESERVE AREA |
| 0001 | 1156 | F1AMOLM | EQU | X'01' BIT ON = OFF-LINE MULTI-VOLUME FILE |
| 1157 | * | * | * | (VALID IN THE VTOC) |
| 0023 | 1159 | F1ADATT2 | EQU | F1ADATTR+1 ATTRIBUTE BYTE TWO - THIS BYTE IS |
| 1160 | * | * | * | SUPPORTED IN BOTH THE AFA AND THE VTOC |
| 1161 | * | * | * | EXCEPT FOR A LIBRARY FORMAT-1 |
| 0080 | 1162 | F1AMSCFL | EQU | X'80' SECURE FILE |
| 0040 | 1163 | F1AMCKPT | EQU | X'40' CHECKPOINT ACTIVE FILE |
| 0020 | 1164 | F1AMDLC | EQU | X'20' DELETE CAPABLE FILE |
| 0010 | 1165 | F1AMIFIL | EQU | X'10' IMMEDIATE ACCESS FILE (IFILE) |
| 0008 | 1166 | F1AMGASK | EQU | X'08' IFILE GAPS ADDED SINCE LAST KEYSORT |
| 0025 | 1168 | F1ADOWNR | EQU | F1ADATT2+2 OWNER QUEUE POINTER |
| 0027 | 1169 | F1ADEDFQ | EQU | F1ADOWNR+2 EDF QUEUE POINTER |
| 0027 | 1171 | F1ADRFED | EQU | F1ADEDFQ END SSS OF RESERVED AREA FREE SPACE |
| 1172 | * | * | * | (3 BYTES) |
| 1174 | * | * | * | ***** |
| 1175 | * | * | * | ***** |
| 1176 | * | THE FOLLOWING FIELDS ARE ONLY SUPPORTED FOR INDEXED FILES | | |
| 1177 | * | * | * | ***** |
| 1178 | * | NOTE: THIS AREA MUST BEGIN ON AN 8 BYTE BOUNDARY BECAUSE IT IS | | |

B02

09/11/81 12/08/81 00:29

#MAXRF 12/07/81 11:51

| ERR LOC OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------------------|------|--|--------|---|
| 001E | 1128 | F1ALIVTA | EQU | F1ADVTOC+1 LENGTH OF THE FIRST VTOC AREA |
| 1130 | * | * | * | ***** |
| 1131 | * | * | * | ***** |
| 1132 | * | THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN THE AFA FORMAT-1 | | |
| 1133 | * | (EXCEPT WHERE NOTED OTHERWISE) | | |
| 1134 | * | * | * | ***** |
| 1135 | * | * | * | ***** |
| 001F | 1137 | F1ADFCHN | EQU | F1ADVTOC+2 FORWARD CHAIN POINTER |
| 0020 | 1139 | F1ADATT1 | EQU | F1ADFCHN+1 ATTRIBUTE BYTE ONE |
| 0080 | 1140 | F1AMXTND | EQU | X'80' EXTEND CAPABLE FILE |
| 0021 | 1142 | F1ADCONT | EQU | F1ADATT1+1 COUNT OF CURRENT USERS |
| 0022 | 1144 | F1ADATTR | EQU | F1ADCONT+1 ATTRIBUTE BYTE THREE |
| 0080 | 1145 | F1AMOTAD | EQU | X'80' BIT ON = FILE OPENED AS OUTPUT OR ADD |
| 0040 | 1146 | F1AMKBR | EQU | X'40' BIT ON = KEY BUCKET HAS BEEN PRIMED |
| 0020 | 1147 | F1AMINFR | EQU | X'20' BIT ON = INDEXED PORTION OF F1 HAS BEEN |
| 1148 | * | * | * | FREED BY ALLOCATE |
| 0010 | 1149 | F1AMHKAS | EQU | X'10' BIT ON = HIGH KEY BUCKET ASSIGNED |
| 1150 | * | * | * | (NOT TO BE USED BY TERMINATION) |
| 0008 | 1151 | F1AMNREC | EQU | X'08' BIT ON = NON-FORMATTED FILE |
| 1152 | * | * | * | (VALID IN THE VTOC) |
| 0004 | 1153 | F1AMDNG | EQU | X'04' BIT ON = INVALID DATA AREA |
| 1154 | * | * | * | (VALID IN THE VTOC) |
| 0002 | 1155 | F1AMRFL | EQU | X'02' BIT ON = FILE ALLOCATED IN RESERVE AREA |
| 0001 | 1156 | F1AMOLM | EQU | X'01' BIT ON = OFF-LINE MULTI-VOLUME FILE |
| 1157 | * | * | * | (VALID IN THE VTOC) |
| 0023 | 1159 | F1ADATT2 | EQU | F1ADATTR+1 ATTRIBUTE BYTE TWO - THIS BYTE IS |
| 1160 | * | * | * | SUPPORTED IN BOTH THE AFA AND THE VTOC |
| 1161 | * | * | * | EXCEPT FOR A LIBRARY FORMAT-1 |
| 0080 | 1162 | F1AMSCFL | EQU | X'80' SECURE FILE |
| 0040 | 1163 | F1AMCKPT | EQU | X'40' CHECKPOINT ACTIVE FILE |
| 0020 | 1164 | F1AMDLC | EQU | X'20' DELETE CAPABLE FILE |
| 0010 | 1165 | F1AMIFIL | EQU | X'10' IMMEDIATE ACCESS FILE (IFILE) |
| 0008 | 1166 | F1AMGASK | EQU | X'08' IFILE GAPS ADDED SINCE LAST KEYSORT |
| 0025 | 1168 | F1ADOWNR | EQU | F1ADATT2+2 OWNER QUEUE POINTER |
| 0027 | 1169 | F1ADEDFQ | EQU | F1ADOWNR+2 EDF QUEUE POINTER |
| 0027 | 1171 | F1ADRFED | EQU | F1ADEDFQ END SSS OF RESERVED AREA FREE SPACE |
| 1172 | * | * | * | (3 BYTES) |
| 1174 | * | * | * | ***** |
| 1175 | * | * | * | ***** |
| 1176 | * | THE FOLLOWING FIELDS ARE ONLY SUPPORTED FOR INDEXED FILES | | |
| 1177 | * | * | * | ***** |
| 1178 | * | NOTE: THIS AREA MUST BEGIN ON AN 8 BYTE BOUNDARY BECAUSE IT IS | | |

4500 SYMBOL VERSION
YOU USED 1559 SYMBOL
LENGTH OF MODULE IS 2144

| | | | |
|----|---|------------------------------------|----|
| 17 | 0040 2937 HPSTART EQU X'40' | START THE MSP BEFORE EXIT | 17 |
| 18 | 0020 2938 HPI2SVCA EQU X'20' | POST SVC FROM IL2 IS IN PROCESS | 18 |
| 19 | 0010 2939 HPCSSVC EQU X'10' | CS SVC REQUEST | 19 |
| 20 | 0008 2940 HPNOTBSY EQU X'08' | MSP NOT BUSY (NO TASK AVAILABLE) | 20 |
| | 0004 2941 HPWAITNG EQU X'04' | MSP WAITING FOR START KEY | |
| | 0002 2942 HPNOSTRT EQU X'02' | SUPPRESS START OF MSP | |
| | 0001 2943 HPERRPND EQU X'01' | ERROR PENDING, RECOVERY IN PROCESS | |
| | 000D 2944 HPHALTED EQU HPNOTBSY+HPWAITNG+HPERRPND | DO NOT START MSP | |
| | 2945 * | | |

C03

| 35 | V09/11/81 | 12/08/81 | 00:29 | #MAXRF CROSS-REFERENCE RESOLVER | PAGE 36 | V09/11/81 | 12/08/81 | 00:29 | #MAXRF CROSS-REFERENCE |
|---------|-------------|-----------|--------------|---------------------------------|--|-----------|-------------|-----------|------------------------|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | ERR LOC | OBJECT CODE | STATEMENT | ERR LOC |
| 01 | | | | | | 01 | | | 01 |
| 02 | | 1179 * | | | FREED BY ALLOCATE FOR NON-INDEXED FILES | 02 | | | 02 |
| | | 1180 * | | | | | | | |
| 03 | | 1181 | | | ***** | 03 | | | 03 |
| 04 | | 0028 1183 | F1ADKEYL EQU | F1ADEDFQ+1 | KEY LENGTH | 04 | | | 04 |
| 05 | | 002A 1185 | F1ADKEYO EQU | F1ADKEYL+2 | KEY LOCATION | 05 | | | 05 |
| 06 | | 002E 1187 | F1ADLSTK EQU | F1ADKEYO+4 | SSS/D OF NEXT KEY | 06 | | | 06 |
| 07 | | 0031 1189 | F1ADSTIX EQU | F1ADLSTK+3 | SSS OF START OF INDEX | 07 | | | 07 |
| 08 | | 0035 1191 | F1ADLSTP EQU | F1ADSTIX+4 | SSS/D OF LAST PRIME KEY | 08 | | | 08 |
| 09 | | 0039 1193 | F1ADHOKY EQU | F1ADLSTP+4 | SSS/D OF HIGHEST KEY IN OVERFLOW AREA | 09 | | | 09 |
| 10 | | 0012 1195 | F1ALZVTA EQU | F1ADHOKY-F1ADEDFQ | LENGTH OF THE SECOND VIOC AREA | 10 | | | 10 |
| 11 | | 1197 | | | ***** | 11 | | | 11 |
| 12 | | 1198 * | | | | 12 | | | 12 |
| 13 | | 1199 * | | | THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN THE AFA FORMAT-1 | 13 | | | 13 |
| 14 | | 1200 * | | | FOR INDEXED FILES | 14 | | | 14 |
| 15 | | 1201 * | | | | 15 | | | 15 |
| 16 | | 1202 | | | ***** | 16 | | | 16 |
| 17 | | 003B 1204 | F1ADKBKT EQU | F1ADHOKY+2 | KEY BUCKET POINTER | 17 | | | 17 |
| 18 | | 003D 1206 | F1ADPCBQ EQU | F1ADKBKT+2 | FILE POSITION CONTROL BLOCK POINTER | 18 | | | 18 |
| 19 | | 003F 1207 | F1ADRES3 EQU | F1ADPCBQ+2 | RESERVED FOR FUTURE USE | 19 | | | 19 |
| 20 | | 0028 1209 | F1ALLGCD EQU | F1ADEDFQ+1 | LENGTH OF A FORMAT-1 FOR CONSECUTIVE AND DIRECT FILES (40) | 20 | | | 20 |
| | | 1210 * | | | | | | | |
| | | 0040 1212 | F1ALLGIN EQU | F1ADRES3+1 | LENGTH OF AN F1 FOR INDEXED FILES (64) | | | | |
| | | 0020 1214 | F1ALLGLB EQU | F1ADFCHN+1 | LENGTH OF A LIBRARY FORMAT-1 (32) | | | | |
| | | 1216 | | | ***** | | | | |
| | | 1217 | | | ***** | | | | |
| | | 1218 | ** | | THE FOLLOWING LABELS ARE USED BY \$PACK TO INDICATE THAT A SYSTEM ** | | | | |
| | | 1219 | ** | | FAILURE OR PERMANENT I/O ERROR OCCURRED BEFORE \$PACK HAD COMP- ** | | | | |
| | | 1220 | ** | | LETELY MOVED THE FILE, WHERE PART OF THE FILE MAY HAVE BEEN ** | | | | |
| | | 1221 | ** | | OVERLAYED DURING THE MOVE OPERATION. ** | | | | |
| | | 1222 | ** | | ** | | | | |
| | | 1223 | ** | | IF \$PACK IS ABLE TO MOVE THE FILE SUCCESSFULLY, THESE FIELDS ARE ** | | | | |
| | | 1224 | ** | | SET TO ZERO. ** | | | | |
| | | 1225 | ** | | ** | | | | |
| | | 1226 | ** | | THE VALUES STORED IN THIS AREA ALLOW \$PACK TO RESTART WITHOUT ** | | | | |
| | | 1227 | ** | | LOSING ANY DATA IF THE ABOVE ERROR(S) SHOULD OCCUR DURING ** | | | | |
| | | 1228 | ** | | EXECUTION. ** | | | | |
| | | 1229 | | | ***** | | | | |
| | | 1230 | | | ***** | | | | |

B03

| | | | |
|----|--|----|---------------------|
| 01 | 4500 SYMBOL VERSION OF THE ASSEMBLER WAS USED. | 01 | ERR LOC OBJECT CODE |
| 02 | YOU USED 1559 SYMBOLS. | 02 | 0000 |
| 03 | LENGTH OF MODULE IS 2144 | 03 | |
| 04 | | 04 | |
| 05 | | 05 | |
| 06 | | 06 | |

| | | |
|----|--|----|
| 17 | 0072 2990 D1HCSTGD EQU D1HCSTG@+1 CORRECTION FLAG / CORRECTED DATA | 17 |
| | 2991 * | |
| | 2992 ***** | |
| 18 | 2993 * ALTER/DISPLAY WORDS FOR ADDRESS COMPARE/VERIFY FUNCTION * | 18 |
| | 2994 ***** | |
| | 2995 * | |
| 19 | 0073 2996 D1ACVERD EQU D1HCSTGD+1 A/D ADDRESS COMPARE VERIFY DATA | 19 |
| | 0074 2997 D1ACTSK@ EQU D1ACVERD+1 A/D ADDRESS COMPARE TASK ADDRESS | |
| | 0075 2998 D1ACCNTL EQU D1ACTSK@+1 A/D ADDRESS COMPARE CONTROL WORD | |
| 20 | 2999 * HIGH BYTE | 20 |

C04

| | | | |
|----------------------------------|---|----------------------------------|-------------------|
| PAGE 36 V09/11/81 12/08/81 00:29 | #MAXRF CROSS-REFERENCE RESOLVER | PAGE 37 V09/11/81 12/08/81 00:29 | #MAXRF CROSS-REFE |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT | 01 | ERR LOC OBJECT CO |
| 02 | 001E 1232 F1FLAG EQU F1ADVTC+1 1-BYTE FLAG INDICATING THAT RESTART OF \$PACK IS REQUIRED FOR THIS FILE. | 02 | |
| | 1233 * | | |
| 03 | 00FF 1234 FIRESTR EQU X'FF' SWITCH VALUE THAT IS PLACED IN F1FLAG IF RESTART IS NECESSARY. | 03 | |
| | 1235 * | | |
| 04 | 0021 1236 F1SSTR EQU F1FLAG+3 POINTS TO START SSS OF DATA THAT HAS BEEN MOVED BY \$PACK. | 04 | |
| | 1237 * | | |
| 05 | 0027 1238 F1SEND EQU F1ADED FQ POINTS TO END SSS OF DATA THAT HAS BEEN MOVED BY \$PACK. | 05 | |
| | 1239 * | | |
| 06 | | 06 | |
| 07 | | 07 | |
| 08 | 1241 *** END OF EXPANSTION ** | 08 | |
| 09 | | 09 | |
| 10 | | 10 | |
| 11 | | 11 | |
| 12 | | 12 | |
| 13 | | 13 | |
| 14 | | 14 | |
| 15 | | 15 | |
| 16 | | 16 | |
| 17 | | 17 | |
| 18 | | 18 | |
| 19 | | 19 | |
| 20 | | 20 | |

B04

| | | | |
|---------------------------------|--|---------------------------------|-------------------|
| PAGE 1 V09/11/81 12/08/81 00:29 | #MAXRF CROSS-REFERENCE RESOLVER | PAGE 1 V09/11/81 12/08/81 00:29 | #MAXRF CROSS-REFE |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT | 01 | ERR LOC OBJECT CO |
| 02 | 0000 1 #MAXRF START 0 00010000 | 02 | |
| 03 | | 03 | |
| 04 | | 04 | |
| 05 | | 05 | |

| | | | |
|----|--|---|----|
| 17 | 3063 *68 | 3064 * SQBCT * LCRPK * SSTID * TSKID * * PRIQ * STAT4 * STAT5 * | 17 |
| 18 | 3065 ***** | 3066 *FOCATM * * * * * * * * * * * * * * * * * | 18 |
| 19 | 3067 * ANSCT * CAT * NRTPK * NSCNT * * CNCNT * IQCNT * ARQCT * STAT6 * | 3068 ***** | 19 |
| 20 | 3069 *78 * * * * * * * * * * * * * * * * * | 3070 * BAT * SUSPS * SNEPT * * TWRST * X * * * | 20 |
| | 3071 ***** | | |

C06

| | | | |
|----------------------------------|---------------------------------|---|----------------|
| PAGE 38 V09/11/81 12/08/81 00:29 | #MAXRF CROSS-REFERENCE RESOLVER | PAGE 39 V09/11/81 12/08/81 00:29 | #MAXRF CROSS-4 |
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | ERR LOC OBJECT |
| 02 | 07660000 | 1276 * DIREQ | 07680000 |
| 03 | ***** | 1278 ***** | ***** |
| 04 | (IRECTORY) | 1279 * | |
| 05 | ***** | 1280 * EQU'S FOR LIBRARY DIRECTORY ENTRY | |
| 06 | | 1281 * | |
| 07 | | 1282 ***** | |
| 08 | | 0000 1284 DIRTYPE EQU 0 DIR TYPE | |
| 09 | | 0008 1285 DIRNAME EQU 8 NAME | |
| 10 | UN' | 000B 1286 DIRADDR EQU 11 RELATIVE SSS ADDR | |
| 11 | ST RUN | 000C 1287 DIR*TXT EQU 12 NUMBER OF TEXT SECTORS | |
| 12 | RUN | 000E 1288 DIRLINK EQU 14 LINK EDIT ADDR FOR 0 ONLY | |
| 13 | LCS | 000E 1289 DIR*STMT EQU 14 NUMBER OF STATEMENTS FOR S OR P | |
| 14 | | 0010 1290 DIRSCA EQU 16 START CONTROL ADDR, ENTRY POINT | |
| 15 | | 0011 1291 DIRRLD EQU 17 RLD DISPLACEMENT | |
| 16 | | 0012 1292 DIRCORE EQU 18 CORE REQUIRED, NUMBER OF SECTORS | |
| 17 | | 0015 1293 DIRATTR EQU 21 ATTRIBUTES OF MEMBER | |
| 18 | | 0016 1294 DIRPRT EQU 22 0 - MPTMAX COUNT, P - FF => MPT | |
| 19 | | 0017 1295 DIRREL EQU 23 RELEASE LEVEL | |
| 20 | | 0019 1296 DIRTOTL EQU 25 TOTAL NUMBER OF SECTORS IN MOD | |
| | | 001A 1297 DIRATTR4 EQU 26 FOURTH ATTR - USED INTERNALLY | |
| | | 001A 1298 DIRSECTY EQU 26 SECURITY OF MEMBER - NOT USED | |
| | | 001B 1299 DIRRESV EQU 27 RESERVED BYTE | |
| | | 001B 1300 DIRENTRY EQU 27 ENTIRE DIRECTORY ENTRY | |
| | | 001C 1302 DIRLENH EQU 28 LENGTH OF DIRECTORY ENTRY | |
| | | 0009 1303 DIR*PERS EQU 9 NUMBER OF DIR PER SECTOR | |
| | | 1305 ***** MASKS FOR DIRECTORY ATTRIBUTES ***** | |
| | | 1306 * BYTE ONE | |
| | | 0080 1307 DIRSCP EQU X'80' SCP ATTRIBUTE BIT | |
| | | 0040 1308 DIRPRIV EQU X'40' PRIVILEGED MODULE - D ONLY | |
| | | 0040 1309 DIRNHIST EQU X'40' DO NOT LOG OCL - P ONLY | |
| | | 0020 1310 DIRNOINQ EQU X'20' NON-INQUIRABLE MODULE | |
| | | 0010 1311 DIRSFGR EQU X'10' SFGR FORMAT LOAD MODULE - D ONLY | |
| | | 0010 1312 DIRPDATA EQU X'10' PROC WITH DATA - P ONLY | |
| | | 0008 1313 DIRSORCE EQU X'08' SOURCE REQUIRED | |
| | | 0004 1314 DIRSCPOP EQU X'04' NON BASE SCP MODULE | |
| | | 0002 1315 DIRPTF EQU X'02' PTF APPLIED BIT | |
| | | 0001 1316 DIROVER EQU X'01' MODULE HAS OVERLAYS | |
| | | 1317 * BYTE TWO | |
| | | 0080 1318 DIRDED EQU X'80' DEDICATED MODULE | |
| | | 0040 1319 DIRNEP EQU X'40' NEP MODULE | |
| | | 0020 1320 DIRXRFXT EQU X'20' MODULE HAS OXRF FORMAT INDEX TBL | |
| | | 0010 1321 DIRSYSLD EQU X'10' ONLY LOAD MODULE FROM SYS CNSL | |
| | | 0008 1322 DIRNONEX EQU X'08' CANNOT LOAD PROGRAM VIA // LOAD | |
| | | 0004 1323 DIRCOMMON EQU X'04' PROGRAM COMMON | |
| | | 0002 1324 DIRUCLAT EQU X'02' PGM WITH UTILITY CONTROL STMTS | |
| | | 0001 1325 DIROXRF EQU X'01' MODULE HAS OXRF WTG TABLE | |
| | | 1326 * BYTE THREE | |

B06

| | | | |
|---------------------------------|---------------------------------|---|----------------|
| PAGE 2 V09/11/81 12/08/81 00:29 | #MAXRF CROSS-REFERENCE RESOLVER | PAGE 3 V09/11/81 12/08/81 00:29 | #MAXRF CROSS-4 |
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | ERR LOC OBJECT |
| 02 | ***** | 57 * ENTRY-POINT = #MAXRF | 00530000 |
| 03 | * | 58 * | 00540000 |
| 04 | * | 59 * PURPOSE = THE PURPOSE OF THIS ROUTINE IS TO PLACE LOADER | 00550000 |
| 05 | * | 60 * INFORMATION IN THE WTG TABLE OR TO FILL A FORMAT | 00560000 |
| | * | 61 * INDEX TABLE. IT SHOULD BE RUN | 00570000 |
| | * | 62 * WHENEVER THE LIBRARY IS BUILT OR MODIFIED; ESPECIALLY | 00580000 |
| | */ | 63 * AT SYSGEN TIME. | 00590000 |
| | */ | 64 * | 00600000 |
| | TBM | 65 * THE ENTIRE LIBRARY DIRECTORY IS READ AND A RESIDENT | 00610000 |
| | MBER G120-2083.*/ | 66 * TABLE CREATED OF ALL SCP MODULES. THE FORMAT OF THE | 00620000 |
| | | 67 * TABLE IS AS FOLLOWS: | 00630000 |

| |
|------------------------------|
| PRIQ * STAT4 * STAT5 * |
| ***** |
| * * * * * |
| NT * IQCNT * ARQCT * STAT6 * |
| ***** |
| * * * * * |
| ST * X * * * |
| ***** |

| | |
|-----------------------------------|------------------------------------|
| 0040 3116 TCBINMT EQU X'40' | . COMPL. LINE ALLOCATE FAILURE |
| 0020 3117 TCBCKTUT EQU X'20' | . DISKETTE ALLOCATE FAILURE |
| 0010 3118 TCBDSKMT EQU X'10' | . DISK SPACE ALLOCATION FAILURE |
| 0008 3119 TCBDEWMT EQU X'08' | . OTHER DEVICES ALLOCATION FAILURE |
| 0004 3120 TCBCHKMT EQU X'04' | . ICS TRANSIENT WAITOR |
| 0002 3121 TCBHSMVT EQU X'02' | . ASSIGN RECOVERY FORCED WAITER |
| 3122 * EQU X'01' | . RESERVED |
| 0004 3124 TCBSTAT3 EQU TCBUMSK2+1 | TCB STATUS BYTE 3 |
| 0080 3126 TCBTERM EQU X'80' | . TASK IS IN TERMINATION |

C07

| |
|----------------------------------|
| PAGE 39 V09/11/81 12/08/81 00:29 |
| 07680000 |
| ***** |
| ***** |
| ADDR |
| T SECTORS |
| R FOR O ONLY |
| TEMENTS FOR S OR P |
| ADDR, ENTRY POINT |
| ENT |
| NUMBER OF SECTORS |
| MEMBER |
| NT, P - FF -> MRT |
| OF SECTORS IN MOD |
| USED INTERNALLY |
| EMBER - NOT USED |
| RY ENTRY |
| CTORY ENTRY |
| PER SECTOR |
| **** |
| BIT |
| ULE - O ONLY |
| - P ONLY |
| MODULE |
| AD MODULE - O ONLY |
| - P ONLY |
| D |
| DDULE |
| T |
| RLAYS |
| LE |
| F FORMAT INDEX TBL |
| LE FROM SYS CNSL |
| OGRAM VIA // LOAD |
| TY CONTROL STMTS |
| F UTG TABLE |

| | | | |
|----|-----------------------------------|----------------------------------|----------------------------------|
| 01 | ***** | MAXRF CROSS-REFERENCE RESOLVER | PAGE 40 V09/11/81 12/08/81 00:29 |
| 02 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | |
| 03 | 0080 1327 DIRMDRK2 EQU X'80' | DIRMDRK2 FILE REQUIRED | |
| 04 | 0040 1328 DIRNSWAP EQU X'40' | DO NOT SWAP THIS TASK | |
| 05 | 0020 1329 DIRHDEAD EQU X'20' | HIGH LEVEL OF DEADICATION | |
| 06 | 0010 1330 DIRFORT EQU X'10' | PROGRAM NEEDS FORTRAN MICRO-CODE | |
| 07 | 0008 1331 DIRCNFIG EQU X'08' | MEMBER IS A CONFIGURATION RECORD | |
| 08 | 1332 * BYTE FOUR | | |
| 09 | 0080 1333 DIRBASIC EQU X'80' | PROGRAM NEED BASIC MICRO-CODE | |
| 10 | 0040 1334 DIRPAD EQU X'40' | MEMBER IS A PAD MODULE | |
| 11 | 1335 * END OF EXPANSION FOR DIREQ | | |
| 12 | 1336 *** END OF EXPANSION ** | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |

B07

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|---------------------------------|
| PAGE 3 V09/11/81 12/08/81 00:29 |
| * 00530000 |
| * 00540000 |
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| * 00560000 |
| * 00570000 |
| * 00580000 |
| * 00590000 |
| * 00600000 |
| * 00610000 |
| * 00620000 |
| * 00630000 |

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| 01 | ***** | MAXRF CROSS-REFERENCE RESOLVER | PAGE 4 V09/11/81 12/08/81 00:29 |
| 02 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | |
| 03 | 111 * INDEX TABLE IS AS FOLLOWS: | | 01070000 |
| 04 | 112 * | | 01080000 |
| 05 | 113 * ***** | | 01090000 |
| 06 | 114 * * * * * | | 01100000 |
| 07 | 115 * * ALL ONES * 1ST * 2ND * SSS * NUM * NUM * INPUT LENGTH * * | | 01110000 |
| 08 | 116 * * X'FFFF' * DISP * DISP * DISK * FDT * TEXT * OF SCREEN * * | | 01120000 |
| 09 | 117 * * * * * ADDRESS * * * * | | 01130000 |
| 10 | 118 * ***** | | 01140000 |
| 11 | 119 * | | 01150000 |
| 12 | 120 * SHOULD A PERMANENT DISK IO ERROR OCCUR DURING THE RUN, THE LIBRARY * | | 01160000 |
| 13 | 121 * SHOULD BE RELOCATED OR THE ALTERNATE TRACK PROGRAM SHOULD BE RUN. * | | 01170000 |

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| 17 | 0040 3116 TCBLINAT EQU X'40' | . COMPL. LINE ALLOCATE FAILURE |
| | 0020 3117 TCBDKJUT EQU X'20' | . DISKETTE ALLOCATE FAILURE |
| | 0010 3118 TCBDKJUT EQU X'10' | . DISK SPACE ALLOCATION FAILURE |
| | 0008 3119 TCBDJWJ EQU X'08' | . OTHER DEVICES ALLOCATION FAILURE |
| 18 | 0004 3120 TCBIJWJ EQU X'04' | . ICS TRANSIENT WAITOR |
| | 0002 3121 TCBSRWJ EQU X'02' | . ASSIGN RECOVERY FORCED WAITER |
| | 3122 * EQU X'01' | . RESERVED |
| 19 | 0004 3124 TCBSTAT3 EQU TCBUNSK2+1 | TCB STATUS BYTE 3 |
| 20 | 0080 3126 TCBTERM EQU X'80' | . TASK IS IN TERMINATION |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|-----------|------------------------------|----------------------------------|
| 02 | | 0080 1327 | DIRWRK2 EQU X'80' | WRK2 FILE REQUIRED |
| | | 0040 1328 | DIRNSWAP EQU X'40' | DO NOT SWAP THIS TASK |
| 03 | | 0020 1329 | DIRNDEAD EQU X'20' | HIGH LEVEL OF DEADICATION |
| | | 0010 1330 | DIRFORT EQU X'10' | PROGRAM NEEDS FORTRAN MICRO-CODE |
| | | 0008 1331 | DIRCNFIG EQU X'08' | MEMBER IS A CONFIGURATION RECORD |
| | | 1332 | * BYTE FOUR | |
| 04 | | 0080 1333 | DIRBASIC EQU X'80' | PROGRAM NEED BASIC MICRO-CODE |
| | | 0040 1334 | DIRPAD EQU X'40' | MEMBER IS A PAD MODULE |
| | | 1335 | * END OF EXPANSION FOR DIREQ | |
| 05 | | 1336 | *** END OF EXPANSION ** | |

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 * 00630000

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------|------|---|
| 02 | | 111 | * | INDEX TABLE IS AS FOLLOWS: |
| | | 112 | * | |
| | | 113 | * | ***** |
| 03 | | 114 | * | * * * * * |
| | | 115 | * | * ALL ONES * 1ST * 2ND * SSS * NUM * NUM * INPUT LENGTH * * |
| | | 116 | * | * X'FFFF' * DISP * DISP * DISK * FDT * TEXT * OF SCREEN * * |
| 04 | | 117 | * | * * * * * ADDRESS * * * * * |
| | | 118 | * | ***** |
| | | 119 | * | |
| 05 | | 120 | * | * SHOULD A PERMNET DISK IO ERROR OCCUR DURING THE RUN, THE LIBRARY |
| | | 121 | * | * SHOULD BE RELOCATED OR THE ALTERNATE TRACK PROGRAM SHOULD BE RUN. |

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3109 * NORMAL (DEFAULT) USER TASK PRIORITY IS TCBPRV DYNAMICALLY
 3170 * CHANGED TO/FROM TCBPRBCH BE THE SYSTEM SUPERVISOR.

0080 3171 TCBPRUDL EQU X'80' LOW PRIORITY

0006 3173 TCBTTIME EQU TCBPRIOR+1 TASK RESIDUAL TIME INTERVAL.

0007 3175 TCBQCNT EQU TCBTTIME+1 QUIESCE COUNTER
 0009 3176 TCBQPLQ EQU TCBQCNT+2 TASK EVENT CONTROL QUEUE HEADER

3177 *AAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAAAAA

000B 3179 TCBPUSH EQU TCBQPLQ+2 PUSH ELEMENT Q-HEADER
 000D 3180 TCBCHAIN EQU TCBPUSH+2 SYSTEM EXISTENCE QUEUE CHAINING FIELD

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D-CODE
 RECORD
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ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

02 1338 * FMTIX 07700000
 1339 *
 1340 * LABELS AND DISPLACEMENTS INTO FORMAT INDEX FOR USER REQUESTS *
 1341 *

04 0007 1343 FMTNME EQU 0+7 FORMAT NAME
 0008 1344 FMTSST EQU FMTNME+1 START OF SYSTEM FORMAT INDEX
 000A 1345 FMTS@ EQU FMTSST+2 SECTOR ADDRESS OF FORMAT
 000B 1346 FMT#FS EQU FMTS@+1 NUMBER OF FDT SECTORS
 000C 1347 FMT#DS EQU FMT#FS+1 NUMBER OF DATA STREAM SECTORS
 000E 1348 FMTTDL EQU FMT#DS+2 INPUT DATA LENGTH OF FORMAT
 000F 1349 FMTRSV EQU FMTTDL+1 FLAG BYTE
 0080 1350 FMTLST EQU X'80' LAST INDEX ENTRY
 0040 1351 FMTKANJ EQU X'40' FORMAT CONTAINS KANJI DATA
 0010 1352 FMTLEN EQU FMTRSV+1 LENGTH OF INDEX

08 1354 * EQUATE VALUES FOR DISPLACEMENTS INTO INDEX FOR SYSTEM REQUESTS

09 0002 1356 FMTSSS EQU FMTS@-FMTSST DISK ADDRESS OF FDT AND TEXT
 0003 1357 FMTFDL EQU FMT#FS-FMTSST LENGTH IN SECTORS OF FDT
 0004 1358 FMTTXL EQU FMT#DS-FMTSST LENGTH IN SECTORS OF TEXT
 0006 1359 FMTINL EQU FMTTDL-FMTSST INPUT LENGTH OF SCREEN
 1360 *** END OF EXPANSION **

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 PUT LENGTH * *
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 THE LIBRARY *
 SHOULD BE RUN. *

#MAXRF CROSS-REFERENCE RESOLVER PAGE 5 V09/11/81 12/08/81 00:29

ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

02 165 * TABLES OF SCP MODULES, IN-CORE FORMAT INDEX, AND A * 01610000
 166 * RESIDENT TABLE OF ALL SCP MODULES. * 01620000
 167 * * 01630000

03 168 * MACROS = IDMAC SCB \$LOGD \$LOG FMTIX JCBEQ * 01640000
 169 * \$IOBD SCAEQ SVEQU \$MSG ERR XNTEQ * 01650000

04 170 * FIEQU DIREQ #EQU DRCTI COPYR \$EOJ * 01660000
 171 * TCB LCS KKKCA * 01670000
 172 * * 01680000

05 173 */*.CHANGE ACTIVITY - #MAXRF * 01690000
 174 * RELEASE 04 * 01700000
 175 * @R214 -IMCR/P10434- CALL \$MAYNT TO UPDATE TRANSFER TABLE * 01710000

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|----|----------------------------------|-----------------------------------|
| 16 | 0050 3223 TCBASGNQ EQU TCBINVT+2 | ASSIGNED ELEMENTS QUEUE |
| | 005F 3225 TCBFAIL EQU TCBEXIT | CP ASSIGN FAILURE INDICATOR BYTES |
| 17 | 0067 3226 TCBTQE EQU TCBEXIT+8 | TIMER QUEUE ELEMENT. |
| | 0068 3227 TCBQBCT EQU TCBTQE+1 | COUNT OF SECTOR QUEUE REQUESTS |
| 18 | 0069 3228 TCBCLKMK EQU TCBQBCT+1 | COUNT OF LOCK REQUESTS |
| | 0080 3229 TCBCLKDI EQU X'80' | INTERLOCK FOR DEDICATION |
| | 0040 3230 TCBCLKSI EQU X'40' | INTERLOCK FOR SCHEDULER |
| 19 | 0020 3231 TCBCLKVI EQU X'20' | INTERLOCK FOR VTOC |
| | 0010 3232 TCBCLKSI EQU X'10' | INTERLOCK FOR FORMAT 5 |
| | 0008 3233 TCBCLKPI EQU X'08' | INTERLOCK FOR PROC NAME |
| 20 | 0004 3234 TCBCLKHI EQU X'04' | INTERLOCK FOR HISTORY FILE |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|---------------|---------------------|------------------------------|
| 01 | | | | | |
| 02 | 07700000 | | 1362 * | #EQU | |
| | | | 1363 * | | |
| 03 | | 0001 | 1364 XR1 | EQU 1 | REGISTER ONE |
| | | 0002 | 1365 XR2 | EQU 2 | REGISTER TWO |
| | | 0004 | 1366 PSR | EQU 4 | PROGRAM STATUS REGISTER |
| 04 | | 0008 | 1367 ARR | EQU 8 | ADDRESS RECALL REGISTER |
| | | 0010 | 1368 IAR | EQU 16 | INSTRUCTION ADDRESS REGISTER |
| | | 0001 | 1369 IOB | EQU 1 | IOB POINTER |
| 05 | | 0002 | 1370 DTF | EQU 2 | DTF POINTER |
| | | | 1371 * | | |
| | | 0000 | 1372 # | EQU 0 | ALTERABLE CODE |
| 06 | | 0000 | 1373 ## | EQU 0 | ALTERABLE CODE |
| | | 0002 | 1374 @ | EQU 2 | LENGTH OF ADDRESSES |
| | | | 1375 * | | |
| 07 | | 0040 | 1376 BLANK | EQU C' | BLANK CHARACTER |
| | | 0000 | 1377 ZERO | EQU 0 | ** |
| | | 0001 | 1378 ONE | EQU 1 | * * |
| 08 | | 0002 | 1379 TWO | EQU 2 | * * |
| | | 0003 | 1380 THREE | EQU 3 | * * |
| | | 0004 | 1381 FOUR | EQU 4 | * * |
| 09 | | 0005 | 1382 FIVE | EQU 5 | * * SELF DEFINING TERMS |
| | | 0006 | 1383 SIX | EQU 6 | * * |
| | | 0007 | 1384 SEVEN | EQU 7 | * * |
| 10 | | 0008 | 1385 EIGHT | EQU 8 | * * |
| | | 0009 | 1386 NINE | EQU 9 | ** |
| | | | 1387 * | | |
| 11 | | 0010 | 1388 TRUE | EQU X'10' | TRUE CONDITION CODE |
| | | 0090 | 1389 FALSE | EQU X'90' | FALSE CONDITION CODE |
| | | 0087 | 1390 UNCOND | EQU X'87' | UNCONDITIONAL CONDITION CODE |
| | | | 1391 * | | |
| 12 | | 0080 | 1392 NOOP | EQU X'80' | NEVER BRANCH |
| | | 0000 | 1393 NOBIT | EQU X'00' | NO BITS MASK |
| 13 | | 000F | 1394 NUMBITS | EQU X'0F' | NUMERIC BITS ONLY MASK |
| | | 00F0 | 1395 ZONEBITS | EQU X'F0' | ZONE BITS ONLY MASK |
| | | 00FF | 1396 ALLBIT | EQU X'FF' | ALL BITS MASK |
| 14 | | 0080 | 1397 BIT0 | EQU X'80' | MASK FOR BIT 0 - X..... |
| | | 0040 | 1398 BIT1 | EQU X'40' | MASK FOR BIT 1 - .X..... |
| | | 0020 | 1399 BIT2 | EQU X'20' | MASK FOR BIT 2 - ..X..... |
| 15 | | 0010 | 1400 BIT3 | EQU X'10' | MASK FOR BIT 3 - ...X.... |
| | | 0008 | 1401 BIT4 | EQU X'08' | MASK FOR BIT 4 -X... |
| | | 0004 | 1402 BIT5 | EQU X'04' | MASK FOR BIT 5 -X.. |
| 16 | | 0002 | 1403 BIT6 | EQU X'02' | MASK FOR BIT 6 -X. |
| | | 0001 | 1404 BIT7 | EQU X'01' | MASK FOR BIT 7 -X |
| | | | 1405 * | | |
| 17 | | 0008 | 1406 IARX | EQU X'08' | IAR TRANSLATED |
| | | 0004 | 1407 OP2 | EQU X'04' | OP2 TRANSLATED |
| | | 0002 | 1408 OP1 | EQU X'02' | OP1 TRANSLATED |
| 18 | | 0000 | 1409 PRV | EQU X'00' | TASK PRIVELEDGED |
| | | 0001 | 1410 NPRV | EQU X'01' | TASK NOT PRIVELEDGED |
| | | 0080 | 1411 DSABL | EQU X'80' | DISPATCHING DISABLED |
| 19 | | | 1412 *** | END OF EXPANSION ** | |

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* 01610000
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* 01630000
UCBEQ * 01640000
KNTEQ * 01650000
BEDJ * 01660000
* 01670000
* 01680000
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* 01700000
* 01710000

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|------------|---------------------------------------|---------------------------------|
| 01 | | | | | |
| 02 | | | 192 | ***** | |
| | | | 193 * | | |
| 03 | | | 194 * | START OF PROGRAM. ENTERED AT 0 OR +3. | |
| | | | 195 * | | |
| | | | 196 | ***** | |
| 04 | | 0000 | F2 87 13 | 198 XRF00000 J XRF00020 | NORMAL E.P. RETURNS TO EDJ. |
| 05 | | 0003 | F6 00 0E | 199 XRF00003 LPMR PRV+IARX+OP1+OP2 | RETURN E.P. TRANS ON |
| | | 0006 | 34 08 0401 | 200 ST XRF00200+3,ARR | +3 E.P. CAUSES RETURN TO CALLER |
| | | 0000 | 34 01 02E9 | 201 ST XRF00100-3,ARR | CALLER'S REGISTER |

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| 16 | 007A 3331 TCBAWFLG EQU TCBSUSP+1 | USMA INITIALIZATION STATUS. |
| 17 | 3333 * SEE TUB MACRO (BYTE TUBWFLG) FOR BIT DEFINITIONS WITHIN TCBAWFLG. | |
| 18 | 007C 3335 TCBSMPT EQU TCBAWFLG+2 | SMP POINTER |
| 19 | 3336 * THE FOLLOWING EQUATE IS USED TO SET ON THE X'80' BIT IN THE HIGH | |
| 20 | 3337 * BYTE OF THE SMP POINTER FIELD. CURRENTLY THIS FIELD IS USED AS | |
| | 3338 * A SWAP-IN COUNTER INSTEAD OF AN ADDRESS FIELD. | |
| | 0080 3339 TCBSMFDN EQU X'80' | SMP HAS PROCESSED THIS TCB |
| | 3340 * | |
| | 007D 3342 TCBX EQU TCBSMPT+1 | AMOUNT OF TASK SWAPPED OUT |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|-----------|----------------------------|---|
| 01 | | | | |
| 02 | 07740000 | 0002 1468 | \$LGNRPG EQU X'02' | .RPG |
| | | 0003 1469 | \$LGNAUTO EQU X'03' | .AUTO |
| 03 | | 0004 1470 | \$LGNSEU EQU X'04' | .SOURCE ENTRY UTILITY |
| | | 0005 1471 | \$LGNSORT EQU X'05' | .SOURCE ENTRY UTILITY |
| | | 0006 1472 | \$LGNDFU EQU X'06' | .DATA FILE UTILITY |
| 04 | | 0007 1473 | \$LGNMSU EQU X'07' | .WORK STATION UTILITY |
| | | 0008 1474 | \$LGNMSS EQU X'08' | .ASSEMBLER |
| | | 0009 1475 | \$LGNFOR EQU X'09' | .FORTRAN |
| 05 | | 000A 1476 | \$LGNUSER EQU X'0A' | .USER DEFINED MESSAGE ACCESS |
| | | 000B 1477 | \$LGNSDA EQU X'0B' | .SCREEN DESIGN AID |
| | | 000C 1478 | \$LGNDBL EQU X'0C' | .COBOL |
| 06 | | 000D 1479 | \$LGNBASC EQU X'0D' | .BASIC |
| | | 000E 1480 | \$LGNEMU EQU X'0E' | .3270 EMULATION |
| | | 000F 1481 | \$LGNCGU EQU X'0F' | .CHARACTER GENERATING UTILITY |
| 07 | | 0010 1482 | \$LGNERT EQU X'10' | .TWO BYTE LANGUAGE SORT |
| | | 0011 1483 | \$LGNESU EQU X'11' | .SMA 3270 EMULATION |
| | | 0012 1484 | \$LGNRD EQU X'12' | .NETWORK RESOURCE DIRECTORY UTILITY |
| 08 | | 0005 1485 | \$LGDCCI EQU \$LGDCCI+2 | COMPONENT ID |
| | | 0002 1486 | \$LGLCCI EQU 2 | LENGTH |
| | | 0007 1487 | \$LGDCCI+2 | SUBCOMPONENT ID |
| | | 0002 1488 | \$LGLSUBI EQU 2 | LENGTH |
| 09 | | 0009 1489 | \$LGDMIC EQU \$LGDSUBI+2 | MESSAGE IDENTIFICATION CODE |
| | | 0002 1490 | \$LGLMIC EQU 2 | LENGTH |
| 10 | | 000A 1491 | \$LGDACT EQU \$LGDMIC+1 | OPTION RESPONSE BYTE |
| | | 0001 1492 | \$LGLACT EQU 1 | LENGTH |
| | | 1493 * | | OPTION RESPONSE TAKEN BY USER |
| 11 | | 0080 1494 | \$LGNIGNR EQU X'80' | .ON - 0 OPTION - IGNORE |
| | | 0040 1495 | \$LGNIGN EQU X'40' | .ON - 1 OPTION - RETRY |
| | | 0020 1496 | \$LGNIGNC EQU X'20' | .ON - 2 OPTION - CANCEL STEP |
| 12 | | 0010 1497 | \$LGNIGNJ EQU X'10' | .ON - 3 OPTION - CANCEL JOB |
| | | 1498 * | | .OPTION RESPONSES ALLOWED |
| | | 0008 1499 | \$LGNPROC EQU X'08' | .ON - 0 OPTION - IGNORE |
| 13 | | 0004 1500 | \$LGNPRTRY EQU X'04' | .ON - 1 OPTION - RETRY |
| | | 0002 1501 | \$LGNPCNL EQU X'02' | .ON - 2 OPTION - CANCEL STEP |
| | | 0001 1502 | \$LGNPTERM EQU X'01' | .ON - 3 OPTION - CANCEL JOB |
| 14 | | 000C 1503 | \$LGDUTB1 EQU \$LGDACT+2 | TUB ADDRESS FOR TYPE 1 |
| | | 000C 1504 | \$LGDUBC1 EQU \$LGDACT+2 | SUBCONSOLE ID FIELD FOR TYPE 1 |
| | | 0002 1505 | \$LGLTUB1 EQU 2 | LENGTH OF TUB OR SUBCONSOLE FIELD |
| | | 000D 1506 | \$LGLTILN EQU \$LGDUTB1+1 | LENGTH OF TYPE 1 PARAMETER LIST |
| 15 | | | | 1508 * MESSAGE LENGTH AND ADDRESS EQUATES FOR TYPE 1 VARIABLE INSERT DATA |
| 16 | | 000D 1510 | \$LGDILEN EQU \$LGDUTB1+1 | LENGTH OF MSG (MAX= 132 BYTES) |
| | | 0001 1511 | \$LGLILEN EQU 1 | LENGTH |
| 17 | | 000F 1512 | \$LGD1ADR EQU \$LGDILEN+2 | LEFTMOST ADDR OF MSG BUFFER |
| | | 0002 1513 | \$LGL1ADR EQU 2 | LENGTH |
| | | 0010 1514 | \$LGL1VL EQU \$LGD1ADR+1 | LENGTH TYPE 1 PARM WITH VARIN |
| 18 | | | | 1516 * DATA RESPONSE EQUATES FOR TYPE 1R ONLY |
| 19 | | 0008 1518 | \$LGDORLN EQU \$LGDACT+1 | DATA RESPONSE LENGTH |
| | | 0001 1519 | \$LGLORLN EQU 1 | LENGTH |
| | | 000D 1520 | \$LGDORADR EQU \$LGDORLN+2 | DATA RESPONSE ADDRESS |
| 20 | | 0002 1521 | \$LGLORADR EQU 2 | LENGTH |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|----------|--------------------|---|
| 01 | | | | |
| 02 | ***** | 02040000 | 232 | ***** |
| | * | 02050000 | 233 * | * |
| | * | 02060000 | 234 * | SET OFF ALL RUN #MAXRF INDICATORS 1ST - IF FAILS WILL NOT RETRY * |
| | * | 02070000 | 235 * | * |
| | ***** | 02080000 | 236 | ***** |
| | | | 237 * | SET OFF NEED TO RUN #MAXRF INDICATOR IN LCS. |
| 04 | SCA | 02100000 | 003E C2 01 040D | 239 LA XRFIOB,XR1 XR1 TO IOB |
| | | 02110000 | 0042 4C 02 18 043C | 240 MVC \$IOBDS(3,1),XRFIOB MOVE SSS OF LCS TO IOB |
| | | 02120000 | 0047 7C 00 08 | 241 MVI \$IOBDR(1),ZERO RESET IOB TO ONLY READ 1 SECTOR |
| | | 02130000 | 004A 7C 01 02 | 242 MVI \$IOBDR(1),ZERO RESET TO READ 1 SECTOR |
| | | 02140000 | 004D 7C 01 02 | 243 MVI \$IOBDR(1),ZERO RESET TO READ 1 SECTOR |

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| 16 | \$10BDRS2 C 001 0014 0738 |
| | \$10BDRS3 C 001 0015 0739 |
| | \$10BDSB0 C 001 000A 0729 |
| 17 | \$10BDSB2 C 001 000C 0731 |
| | \$10BDSB3 C 001 000D 0732 |
| | \$10BDSB4 C 001 000E 0733 |
| 18 | \$10BDSB5 C 001 000F 0734 |
| | \$10BDSS C 001 0018 0741 024 |
| | \$10BDTCB C 001 0011 0735 |
| 19 | \$10BDUAD C 001 0005 0725 |
| | \$10ODSBI C 001 0008 0730 |
| 20 | \$LDPMID C 001 0010 0959 |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|---|-----------|------|---|
| 01 | | | | |
| 02 | 000F 1522 | \$LGD7B1R | EQU | \$LGDDRAD+2 TUB ADDRESS FOR TYPE 1R |
| | 000F 1523 | \$LGD5C1R | EQU | \$LGDDRAD+2 SUBCONSOLE ID FIELD FOR TYPE 1R |
| | 0002 1524 | \$LGL7B1R | EQU | 2 LENGTH OF TUB OR SUBCONSOLE FLD |
| 03 | 0010 1525 | \$LGLT1RL | EQU | \$LGD7B1R+1 LENGTH TYPE 1R PARAMETER LIST |
| | 1527 * MESSAGE LENGTH AND ADDRESS EQUATES FOR TYPE 3 ONLY | | | |
| 04 | 000B 1529 | \$LGD3LEN | EQU | \$LGDACT+1 LENGTH OF MSG(MAX=132 BYTES) |
| | 0001 1530 | \$LGL3LEN | EQU | 1 LENGTH |
| 05 | 000D 1531 | \$LGD3ADR | EQU | \$LGD3LEN+2 LEFTMOST ADDR OF MSG BUFFER |
| | 0002 1532 | \$LGL3ADR | EQU | 2 LENGTH |
| 06 | 000F 1533 | \$LGD7UB3 | EQU | \$LGD3ADR+2 TUB ADDRESS FOR TYPE 3 |
| | 000F 1534 | \$LGD5BC3 | EQU | \$LGD3ADR+2 SUBCONSOLE ID FIELD FOR TYPE 3 |
| | 0002 1535 | \$LGL7UB3 | EQU | 2 LENGTH OF TUB OR SUBCONSOLE FLD |
| | 0010 1536 | \$LGLT3LN | EQU | \$LGD7UB3+1 LENGTH OF TYPE 3 MESSAGE |
| | 1538 * EIGHT BYTE ENTRY EQUATES FOR TYPE 4 ONLY | | | |
| 08 | 0015 1540 | \$LGD8BYT | EQU | \$LGDDRAD+8 8 BYTES TO ADD TO MESSAGE |
| | 0008 1541 | \$LGL8BYT | EQU | 8 LENGTH |
| 09 | 0017 1542 | \$LGD7UB4 | EQU | \$LGD8BYT+2 TUB ADDRESS TYPE 4 |
| | 0017 1543 | \$LGD5BC4 | EQU | \$LGD8BYT+2 SUBCONSOLE ID FIELD FOR TYPE 4 |
| | 0002 1544 | \$LGL7UB4 | EQU | 2 LENGTH OF TUB OR SUBCONSOLE FLD |
| | 0018 1545 | \$LGLT4LN | EQU | \$LGD7UB4+1 LENGTH OF TYPE 4 PARAMETER LIST |
| | 1547 * SYSLOG PARAMETER LIST TYPE 2 AND 2R | | | |
| 11 | 0000 1549 | \$LGFNC2 | EQU | 0 SYSLOG FUNCTION BYTE ONE |
| | 0001 1550 | \$LGLFNC2 | EQU | 1 LENGTH |
| 12 | 0000 1551 | \$LGMTYP2 | EQU | 0 .RESERVED |
| | 0001 1552 | \$LGFNC4 | EQU | \$LGFNC2+1 FUNCTION BYTE TWO |
| | 0001 1553 | \$LGLFNC4 | EQU | 1 LENGTH |
| 13 | 0002 1554 | \$LGDPAGE | EQU | \$LGFNC4+1 PAGE CONTROL BYTE |
| | 0001 1555 | \$LGLPAGE | EQU | 1 LENGTH |
| | 00F0 1556 | \$LGMSKIP | EQU | X'FO' .ON - (ANY OF 1ST FOUR) CAUSES |
| | 1557 * | | | .SKIP TO LINE 6 OF NEXT PAGE |
| | 1558 * | | | .BITS 4 AND 5 MUST BE ZERO |
| | 1559 * | | | .BITS 6,7 - SPACE AFTER VALUE |
| 15 | 0001 1560 | \$LGMSPC1 | EQU | X'01' .SPACE 1 LINE AFTER PRINTING |
| | 0002 1561 | \$LGMSPC2 | EQU | X'02' .SPACE 2 LINES AFTER PRINTING |
| | 0003 1562 | \$LGMSPC3 | EQU | X'03' .SPACE 3 LINES AFTER PRINTING |
| 16 | 0003 1563 | \$LGDLEN | EQU | \$LGDPAGE+1 LENGTH OF MSG (MAX=132 BYTES) |
| | 0001 1564 | \$LGLLEN | EQU | 1 LENGTH |
| | 0005 1565 | \$LGDADDR | EQU | \$LGDLEN+2 LEFTMOST ADDR OF MSG BUFFER |
| | 0002 1566 | \$LGLADDR | EQU | 2 LENGTH |
| 17 | 0007 1567 | \$LGD7UB2 | EQU | \$LGDADDR+2 TUB ADDRESS FOR TYPE 2 |
| | 0007 1568 | \$LGD5BC2 | EQU | \$LGDADDR+2 SUBCONSOLE ID FIELD FOR TYPE 2 |
| | 0002 1569 | \$LGL7UB2 | EQU | 2 LENGTH OF TUB OR SUBCONSOLE FLD |
| | 0008 1570 | \$LGLT2LN | EQU | \$LGD7UB2+1 LENGTH OF TYPE 2 PARAMETER LIST |
| | 1572 * DATA RESPONSE EQUATES FOR TYPE 2R ONLY | | | |
| 19 | 0006 1574 | \$LGD2DRL | EQU | \$LGDADDR+1 DATA RESPONSE LENGTH |
| | 0001 1575 | \$LGL2DRL | EQU | 1 LENGTH |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
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| 01 | | | | |
| 02 | 02180000 | 275 | * | ***** |
| | 02190000 | 276 | * | * |
| | 02200000 | 277 | * | * READ ANOTHER BUFFER OF DIRECTORY ENTRIES. |
| | 02210000 | 278 | * | * |
| 03 | 02220000 | 279 | * | ***** |
| | 02230000 | | | |
| 04 | 02250000 | 008C C0 87 0402 | 281 | XRF00040 B XRF10S BRANCH TO READ DIRECTORY ENTRY |
| | 02260000 | 0090 75 02 07 | 282 | L \$10BDDAT(,1),XR2 XR2 --> BUFFER |
| 05 | 02270000 | 0093 80 01 01 047C | 283 | XRF00050 CLC 1(2,2),XRF00T Q.NO MORE DIR. ENTRIES ? |

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| 01 | ERR LOC | OBJECT CODE | ADDR | STMT |
| 02 | | 0008 157 | | |
| | | 0002 157 | | |
| | | 000A 157 | | |
| 03 | | 000A 157 | | |
| | | 0002 158 | | |
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| 04 | | 158 | | |
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| 01 | | | |
| 02 | | 30 | |
| | | 02570000 | |
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| | | 02590000 | |
| 03 | | 30 | |
| | | 02600000 | |
| | | 02610000 | |
| 04 | | 30 | |
| | | 02630000 | |
| | | 30 | |
| 05 | 0087 C2 01 0C60 | 30 | |

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| 16 | \$I0BDRS2 C 001 0014 0738 |
| | \$I0BDRS3 C 001 0015 0739 |
| | \$I0BDSB0 C 001 000A 0729 |
| 17 | \$I0BDSB2 C 001 000C 0731 |
| | \$I0BDSB3 C 001 000D 0732 |
| | \$I0BDSB4 C 001 000E 0733 |
| 18 | \$I0BDSB5 C 001 000F 0734 |
| | \$I0BDS5 C 001 0018 0741 0240* 0250* 0399* 0420* 0436* 0459* 0476* 0533* 0535* 0536* |
| | \$I0BDTCB C 001 0011 0735 |
| 19 | \$I0BDUAD C 001 0005 0725 |
| | \$I0BDSB1 C 001 0008 0730 |
| 20 | \$LDAMTD C 001 0010 0959 |

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| 16 | \$LGD7B2R C 001 000A 1578 |
| | \$LGD7UB1 C 001 000C 1503 |
| | \$LGD7UB2 C 001 0007 1567 |
| 17 | \$LGD7UB3 C 001 000F 1533 |
| | \$LGD7UB4 C 001 0017 1542 |
| | \$LGD1ADR C 001 000F 1512 |
| 18 | \$LGD1LEN C 001 000D 1510 |
| | \$LGD2DRA C 001 0008 1576 |
| | \$LGD2DRL C 001 0006 1574 |
| 19 | \$LGD3ADR C 001 000D 1531 |
| | \$LGD3LEN C 001 0008 1529 |
| 20 | \$LGD8BYT C 001 0015 1540 |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
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| 02 | 0008 | 1576 | \$LGDZDRA EQU | \$LGDZDRL+2 DATA RESPONSE ADDRESS |
| | 0002 | 1577 | \$LGLZDRA EQU | 2 LENGTH |
| 03 | 000A | 1578 | \$LGD7B2R EQU | \$LGDZDRA+2 TUB ADDRESS FOR TYPE 2R |
| | 000A | 1579 | \$LGD5C2R EQU | \$LGDZDRA+2 SUBCONSOLE ID FIELD FOR TYPE 2R |
| | 0002 | 1580 | \$LGL7B2R EQU | 2 LENGTH OF TUB OR SUBCONSOLE FLD |
| | 000B | 1581 | \$LGL7R2L EQU | \$LGD7B2R+1 LENGTH TYPE 2R PARAMETER LIST |
| 04 | | | | 1583 * END OF EXPANSION |
| | | | | 1584 *** END OF EXPANSION ** |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
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| 02 | 300 | | | ***** |
| | 301 | * | | * |
| | 302 | * | ON ENTRY TO *MAXRF, | THE NEXT INSTRUCTION LOADS THE ADDRESS * |
| 03 | 303 | * | OF THE BEGINNING OF THE RESIDENT TABLE BEING BUILT. | THE INSTRUCTION * |
| | 304 | * | IS LATER MODIFIED TO POINT TO THE NEXT AVAILABLE TABLE ENTRY | * * |
| | 305 | * | LOCATION ADDRESS. | * |
| 04 | 306 | * | | * |
| | 307 | | | ***** |
| 05 | 00B7 C2 01 0C60 | 309 | XRFO0062 LA | XRFTABLE,1 XR1 --> RESIDENT TABLE |

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| 16 | \$LGD1LEN C 001 0000 1510 1512 | |
| 16 | \$LGD1ADR C 001 000F 1512 1514 | |
| 17 | \$LGD1LEN C 001 0000 1510 1512 | |
| 17 | \$LGD2ORA C 001 0008 1576 1578 1579 | |
| 17 | \$LGD2ORL C 001 0006 1574 1576 | |
| 18 | \$LGD3ADR C 001 0000 1531 1533 1534 | |
| 18 | \$LGD3LEN C 001 0008 1529 1531 | |
| 19 | \$LGD8BYT C 001 0015 1540 0515* 1542 1543 | |
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| 16 | \$LGMICBL C 001 000C 1478 | |
| 16 | \$LGMICBU C 001 000F 1481 | |
| 17 | \$LGMICNCL C 001 0002 1501 | |
| 17 | \$LGMICRT C 001 0001 1433 | |
| 17 | \$LGMIDATR C 001 0020 1423 | |
| 18 | \$LGMIDFU C 001 0006 1472 | |
| 18 | \$LGMIDSSA C 001 0010 1447 | |
| 18 | \$LGMIDMU C 001 000E 1480 | |
| 19 | \$LGMIDJ C 001 0010 1497 | |
| 19 | \$LGMIDSU C 001 0011 1483 | |
| 19 | \$LGMIDFOR C 001 0009 1475 | |
| 20 | \$LGMIDFRMT C 001 0008 1427 | |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | | |
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| 02 | | 1586 * | | KKKCA | 0000 | 07760000 |
| 03 | | 1587 * | | ***** | | |
| 03 | | 1588 * | | | | * |
| 03 | | 1589 * | | IGC | | * |
| 03 | | 1590 * | | | | * |
| 04 | | 1591 * | | COMMUNICATION AREA | | * |
| 04 | | 1592 * | | | | * |
| 04 | | 1593 * | | ***** | | |
| 05 | | 0000 1595 | KKKSYS | EQU 0 | | BEGINNING OF IGC COMM AREA |
| 05 | | 1596 * | | | | |
| 06 | | 0001 1597 | KKKDGPA | EQU KKKSYS+1 | 2 | EXTN FILE PAGE LIMITS |
| 06 | | 1598 * | | | | |
| 06 | | 0003 1599 | KKKDGTCB | EQU KKKDGPA+2 | 2 | EXTN TASK TCB ADDRESS |
| 06 | | 1600 * | | | | |
| 07 | | 0005 1601 | KKKDGFS | EQU KKKDGTCB+2 | 2 | EXTN FILE START ADDRESS (SS) |
| 07 | | 1602 * | | | | |
| 08 | | 0007 1603 | KKKDGFSZ | EQU KKKDGFS+2 | 2 | EXTN FILE SIZE (SECTORS) |
| 08 | | 1604 * | | | | |
| 08 | | 0008 1605 | KKKDGTSZ | EQU KKKDGFSZ+1 | 1 | EXTN TASK SIZE (2K BLOCKS) |
| 08 | | 1606 * | | | | |
| 09 | | 0009 1607 | KKKDGAT1 | EQU KKKDGTSZ+1 | 1 | EXTN TASK ATTRIBUTES |
| 09 | | 0080 1608 | KKKMSHAP | EQU X'80' | | EXTN TASK SHAPPABLE |
| 09 | | 1609 * | | EQU X'40' | | RESERVED |
| 10 | | 1610 * | | EQU X'20' | | RESERVED |
| 10 | | 1611 * | | EQU X'10' | | RESERVED |
| 10 | | 1612 * | | EQU X'08' | | RESERVED |
| 11 | | 1613 * | | EQU X'04' | | RESERVED |
| 11 | | 1614 * | | EQU X'02' | | RESERVED |
| 11 | | 1615 * | | EQU X'01' | | RESERVED |
| 11 | | 1616 * | | | | |
| 12 | | 000A 1617 | KKKDFLAG | EQU KKKDGAT1+1 | 1 | FLAG BYTE |
| 12 | | 1618 * | | EQU X'80' | | RESERVED |
| 13 | | 1619 * | | EQU X'40' | | RESERVED |
| 13 | | 1620 * | | EQU X'20' | | RESERVED |
| 14 | | 1621 * | | EQU X'10' | | RESERVED |
| 14 | | 1622 * | | EQU X'08' | | RESERVED |
| 14 | | 0004 1623 | KKKINDEX | EQU X'04' | | EXTN TASK NOT STARTED |
| 15 | | 0002 1624 | KKKMXRF | EQU X'02' | | MXRF HAS RUN SINCE LAST IPL |
| 15 | | 0001 1625 | KKKMKKB | EQU X'01' | | AT LEAST 1 IGC CAPABLE DEVICE |
| 15 | | 1626 * | | | | |
| 16 | | 000C 1627 | KKKWORK | EQU KKKDFLAG+2 | 2 | IPL SAVE/WORK AREA |
| 16 | | 1628 * | | | | |
| 16 | | 1629 * | | | | THE FOLLOWING TWO FIELDS ARE USED WHEN IGC CAPABLE REMOTE |
| 16 | | 1630 * | | | | WORK STATIONS ARE BEING VARTED ON AT IPL. |
| 17 | | 000E 1631 | KKKDRTHS | EQU KKKWORK+2 | 2 | CURRENT TWA ALLOCATE SS |
| 17 | | 000F 1632 | KKKDRTHN | EQU KKKDRTHS+1 | 1 | REMAINDER OF TWA TRACK |
| 17 | | 1633 * | | | | |
| 18 | | 0010 1634 | KKKMLENG | EQU KKKDRTHN+1 | | LENGTH OF IGC COMM AREA |
| 18 | | 1635 * | | | | |
| 18 | | 1636 *** | | | | END OF EXPANSION ** |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | | |
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| 02 | | 347 * | | | | |
| 02 | 02820000 | 014E 8D 03 05 0465 | 348 | XRF0006E CLC XRFDIR25(4,2),XRCCS | TO ACTUAL SSS OF #BCCF @a220 | 03290000 |
| 02 | 02830000 | 0153 F2 01 08 | 349 | JNE XRF00070 | IS IT SUBCON OPT FRMT MOD? @a220 | 03300000 |
| 03 | 02840000 | | | | NO, MOVE INFO TO RESDNT TBL @a220 | 03310000 |
| 03 | 02850000 | 0156 2C 02 0471 08 | 350 | MVC XRBCCSSS(3),DIRADDR(,2) | YES, SAVE #CCSFMT'S DISK @a220 | 03320000 |
| 03 | 02860000 | 0158 0E 02 0471 043F | 351 | ALC XRBCCSSS(3),XRFLIBA | CHANGE @ FROM RELATIVE TO @a220 | 03330000 |
| 04 | 02870000 | | 352 * | | ACTUAL ADDRESS OF #CCSFMT @a220 | 03340000 |
| 04 | 02880000 | 0161 6C 00 08 11 | 353 | XRF00070 MVC XRFXRRLD(1,1),DIRRLD(,2) | MOVE RLD INTO TABLE | 03350000 |
| 04 | 02890000 | 0165 6C 03 07 0C | 354 | MVC XRFXRSS*(4,1),DIR*TX(,2) | MOVE #TXT AND SS ADDRESS INTO TABLE | 03360000 |
| 05 | 02910000 | | 355 * | | | 03370000 |

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|----|-------------|---|-----|------|------|
| 16 | \$LGMDCNC | C | 001 | 0020 | 1496 |
| | \$LGMDCBL | C | 001 | 000C | 1478 |
| | \$LGMDCGU | C | 001 | 000F | 1481 |
| | \$LGMDCNCL | C | 001 | 0002 | 1501 |
| 17 | \$LGMDCRT | C | 001 | 0001 | 1433 |
| | \$LGMDCATR | C | 001 | 0020 | 1423 |
| | \$LGMDCFU | C | 001 | 0006 | 1472 |
| 18 | \$LGMDCSSA | C | 001 | 0010 | 1447 |
| | \$LGMDCMEMU | C | 001 | 000E | 1480 |
| | \$LGMDCHEQJ | C | 001 | 0010 | 1497 |
| 19 | \$LGMDCMESU | C | 001 | 0011 | 1483 |
| | \$LGMDCFOR | C | 001 | 0009 | 1475 |
| | \$LGMDCFRMT | C | 001 | 0008 | 1427 |
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| 16 | ADCFIND | C | 001 | 0002 | 3006 |
| | ADCMATCH | C | 001 | 0010 | 3003 |
| | ADCREAL | C | 001 | 0040 | 3001 |
| | ADCRESET | C | 001 | 00FC | 3010 |
| 17 | ADCTASK | C | 001 | 0080 | 3000 |
| | ADCTBF | C | 001 | 0004 | 3005 |
| | ADCTBN | C | 001 | 0008 | 3004 |
| 18 | ADCVRFY | C | 001 | 0020 | 3002 |
| | ADEXIT | C | 001 | 0080 | 2776 |
| | ADINQRY | C | 001 | 0020 | 2778 |
| 19 | ADITRMPD | C | 001 | 0002 | 2783 |
| | ADIRSTMP | C | 001 | 0020 | 2792 |
| 20 | ADSCO960 | C | 001 | 0040 | 2791 |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 48 | | V09/11/81 12/08/81 00:29 | |
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| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT | | |
| 01 | | | | | |
| 02 | 07760000 | 1638 * | SVEQU | | 07780000 |
| | | 1639 * | | | |
| | | 1640 * | SVC R-BIYE EQUATES | | |
| 03 | | 1641 * | | | |
| | | 0000 1642 | SVCWAIT EQU X'00' | GENERAL WAIT | |
| | | 0001 1643 | SVCPOST EQU X'01' | GENERAL POST | |
| 04 | | 0002 1644 | SVCWAIT EQU X'02' | WAIT | |
| | | 0003 1645 | SVCPOST EQU X'03' | POST | |
| | | 0004 1646 | SVCXFER EQU X'04' | TRANSFER CONTROL/SYSTEM TRANSIENT | |
| 05 | | 0005 1647 | SVCUNSTK EQU X'05' | STACK MANIPULATION | |
| | | 0006 1648 | SVCASSGN EQU X'06' | ASSIGN | |
| | | 0007 1649 | SVCFREE EQU X'07' | FREE | |
| 06 | | 0008 1650 | SVCISEC EQU X'08' | INCREMENT SYSTEM EVENT COUNTERS | |
| | | 0009 1651 | SVCSSSW EQU X'09' | SENSE CONSOLE DATA SWITCHES | |
| | | 000A 1652 | SVCASGN EQU X'0A' | ASSIGN SYSTEM QUEUE SPACE SVC | |
| 07 | | 000B 1653 | SVCPPSVC EQU X'0B' | PSEUDO DELAYED SVC POST ACM FUNCTION | |
| | | 000C 1654 | SVCLDATR EQU X'0C' | LOAD ATRS | |
| | | 000D 1655 | SVCPMR EQU X'0D' | ALTER PROGRAM MODE REGISTER (PMR) | |
| 08 | | 000E 1656 | SVCQUEUE EQU X'0E' | QUEUE / DEQUEUE SYSTEM CONTROL BLOCKS | |
| | | 000F 1657 | SVCSCB EQU X'0F' | SYSTEM CONTROL BLOCK ACCESS | |
| | | 0010 1658 | SVCXTENT EQU X'10' | TRANSIENT/TRANSFER-USER SPECIFIED | |
| 09 | | 0011 1659 | SVCEXIT EQU X'11' | TRANSIENT/TRANSFER EXIT SVC | |
| | | 0012 1660 | SVCGETP EQU X'12' | GETPAGE | |
| | | 0013 1661 | SVCFREEP EQU X'13' | FREEPAGE | |
| 10 | | 0014 1662 | SVCCTIN EQU X'14' | * INTERVAL TIMER ENQUEUE | |
| | | 0015 1663 | SVCCTID EQU X'15' | * INTERVAL TIMER DEQUEUE | |
| | | 0016 1664 | SVCCTIR EQU X'16' | * INTERVAL TIMER REMAINDER | |
| 11 | | 0017 1665 | SVCCTWT EQU X'17' | ASYNCHRONOUS TASK WAIT | |
| | | 0018 1666 | SVCXNTOF EQU X'18' | SET TRANSIENT AREA NOT BUSY | |
| | | 0019 1667 | SVCPOSTA EQU X'19' | POST ACE SVC | |
| 12 | | 001A 1668 | SVCLOG EQU X'1A' | LOG TRACE INFORMATION | |
| | | 001B 1669 | SVCQSCAN EQU X'1B' | SCAN SYSTEM QUEUE ROUTINE | |
| | | 1670 * | EQU X'1C' | RESERVED | |
| 13 | | 001D 1671 | SVCPOST EQU X'1D' | TASK POST | |
| | | 001E 1672 | SVCWAIT EQU X'1E' | TASK WAIT | |
| | | 001F 1673 | SVCCTIH EQU X'1F' | * TIMER INTERRUPT HANDLER | |
| 14 | | 0020 1674 | SVCQS EQU X'20' | ALTER QUIESCE COUNTER | |
| | | 0021 1675 | SVCRENQ EQU X'21' | RESOURCE ENQUEUE | |
| 15 | | 0021 1676 | SVCREDEQ EQU SVCRENQ | RESOURCE DEQUEUE | |
| | | 0022 1677 | SVCDDUMP EQU X'22' | DUMP MAIN STORAGE/TERMINATE TASK | |
| | | 0023 1678 | SVCTEST EQU X'23' | TEST AND SET | |
| 16 | | 0024 1679 | SVCPRIO EQU X'24' | TCB PRIORITY QUEUE | |
| | | 0025 1680 | SVCROYCK EQU X'25' | ASYNCHRONOUS TASK READY CHECK. | |
| | | 0026 1681 | SVCPREP EQU X'26' | PREPARE PRINTER OUTPUT | |
| | | 0027 1682 | SVCDSPECH EQU X'27' | DISPATCHER SVC | |
| 17 | | 0028 1683 | SVCPRPT EQU X'28' | REMOTE PRINTER SET UP. | |
| | | 0029 1684 | SVCSEQ EQU X'29' | SECTOR ENQUEUE/DEQUEUE | |
| | | 002A 1685 | SVCMOVEI EQU X'2A' | MOVE DATA BY ID | |
| 18 | | 002B 1686 | SVCPOSTI EQU X'2B' | POST TASK BY ID | |
| | | 002C 1687 | SVCQWAIT EQU X'2C' | QUIESCE COUNTER WAIT | |
| | | 002D 1688 | SVCRAF EQU X'2D' | TRANSLATED ASSIGN/FREE | |
| 19 | | 002E 1689 | SVC TOD EQU X'2E' | RETURN TIME-OF-DAY IN TIMER UNITS | |
| | | 1690 * | | | |
| 20 | | 1691 * | *-INDICATES NOT USEABLE FROM MAIN STORE | | |

| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 12 | | V09/11/81 12/08/81 00:29 | |
|---------------------------------|---------------|-----------|---|--------------------------|-----------------|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT | | |
| 01 | | | | | |
| 02 | | 357 | ***** | | 03390000 |
| | | 358 * | | * | 03400000 |
| | | 359 * | CHECK TO SEE IF EITHER XRF ATTRIBUTE BIT IS ON -- YES, THE MODULE IS* | | 03410000 |
| 03 | | 360 * | XRFABLE --- NO, THE MODULE IS NOT. SET THE WTG TABLE INDICATOR | * | 03420000 |
| | | 361 * | OR/AND THE FORMAT INDEX TABLE INDICATOR ON. | * | 03430000 |
| | | 362 * | | * | 03440000 |
| 04 | | 363 | ***** | | 03450000 |
| | 0169 7C 00 09 | 365 | MVI XRFXTWTC.1).ZERO | SET TABLE INDICATORS OFF | 03470000 |
| | | | | | 018F E2 02 1C |
| | | | | | 0192 34 02 0432 |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 12 | | V09/11/81 12/08/81 00:29 | |
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| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT | | |
| 01 | | | | | |
| 02 | 03290000 | 357 | ***** | | 03390000 |
| | 03300000 | 358 * | | * | 03400000 |
| | 03310000 | 359 * | CHECK TO SEE IF EITHER XRF ATTRIBUTE BIT IS ON -- YES, THE MODULE IS* | | 03410000 |
| | 03320000 | 360 * | XRFABLE --- NO, THE MODULE IS NOT. SET THE WTG TABLE INDICATOR | * | 03420000 |
| | 03330000 | 361 * | OR/AND THE FORMAT INDEX TABLE INDICATOR ON. | * | 03430000 |
| | 03340000 | 362 * | | * | 03440000 |
| | 03350000 | 363 | ***** | | 03450000 |
| | 03360000 | 0169 7C 00 09 | 365 | MVI XRFXTWTC.1).ZERO | SET TABLE INDICATORS OFF |

| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 12 | | V09/11/81 12/08/81 00:29 | |
|---------------------------------|-------------|-----------|------------------|--------------------------|-----------------|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT | | |
| 01 | | | | | |
| 02 | | | | | |
| 03 | | | | | |
| 04 | | | | | |
| | | | | | 018F E2 02 1C |
| | | | | | 0192 34 02 0432 |

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| 16 | ADCFIND C 001 0002 3006 |
| | ADCMATCH C 001 0010 3003 3010 |
| | ADCREAL C 001 0040 3001 3010 |
| | ADCRESET C 001 00FC 3010 |
| 17 | ADCTASK C 001 0080 3000 3010 |
| | ADCTBF C 001 0004 3005 3010 |
| | ADCTBN C 001 0008 3004 3010 |
| 18 | ADCVERIFY C 001 0020 3002 3010 |
| | ADEXIT C 001 0080 2776 |
| | ADINQURY C 001 0020 2778 |
| 19 | ADITRMD C 001 0002 2783 |
| | ADRSTOMP C 001 0020 2792 |
| | ADSC0960 C 001 0040 2791 |
| 20 | |

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| 16 | DIRHEAD C 001 0020 13 |
| | DIRLENGH C 001 001C 13 |
| | DIRLINK C 001 000E 12 |
| | DIRWRT C 001 0016 12 |
| 17 | DIRNAME C 001 0008 12 |
| | DIRNEP C 001 0040 13 |
| | DIRNHIST C 001 0040 13 |
| 18 | DIRNDINQ C 001 0020 13 |
| | DIRONEX C 001 0008 13 |
| | DIRNSWAP C 001 0040 13 |
| 19 | DIROVER C 001 0001 13 |
| | DIRXRF C 001 0001 13 |
| 20 | DIRPAD C 001 0040 13 |

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| 48 | V09/11/81 12/08/81 00:29 |
| | 07780000 |
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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 49 | V09/11/81 12/08/81 00:29 |
| 01 | ERR LOC OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 1693 * | DELAYED SVC R-BYTE EQUATES |
| | | 0040 1694 SVCFD | EQU X'40' DISK IOS |
| | | 0041 1695 SVCIO | EQU X'41' DISKETTE IOCS |
| 03 | | 0042 1696 SVCPT | EQU X'42' WORKSTATION IOCH (PRINTER) |
| | | 0043 1697 SVCSVC | EQU X'43' WORKSTATION IOCH (TERMINAL) |
| | | 0044 1698 SVCCOMM | EQU X'44' COMMUNICATIONS IOCH |
| 04 | | 0045 1699 SVCTXNT | EQU X'45' I/O TRANSIENT REQUEST |
| | | 004C 1700 SVCPQSV | EQU X'4C' PSEUDO I/O REQUEST |
| | | 1701 * | X'46' -> X'4F' RESERVED FOR I/O SVC'S |
| 05 | | 0050 1702 SVCKXNT | EQU X'50' CONTROL STORE TRANSIENT SCHEDULER |
| | | 0051 1703 SVCTWA | EQU X'51' TASK WORK AREA ACCESS |
| | | 0052 1704 SVCLD | EQU X'52' MAIN STORAGE RELOCATING LOADER |
| 06 | | 1705 * | X'53' -> X'5C' RESERVED FOR DELAYED SVC'S |
| | | 005C 1706 SVCKBTR | EQU X'5C' KEYBOARD TRACE |
| | | 1707 * | |
| | | 1708 * | SVC Q CODE EQUATES |
| | | 1709 * | |
| | | 0001 1710 Q1 | EQU X'01' SVC SIGNIFICANT INDICATOR |
| 08 | | 0001 1711 QWAIT | EQU X'01' WAIT ON THIS SVC INDICATOR |
| | | 0001 1712 QREFRESH | EQU X'01' REFRESH TRANSIENT/TRANSFER INDICATOR |
| | | 0002 1713 QNREF | EQU X'02' NON-REFRESHABLE SVC INDICATOR |
| 09 | | 0004 1714 QXLOFF | EQU X'04' TRANSLATE OFF-IOB/PARM LIST-INDICATOR |
| | | 0004 1715 QSYSREQ | EQU X'04' SPECIAL SYSTEM REQUEST FOR ASSIGN REC |
| | | 0004 1716 QFRMEXM | EQU X'04' FOR MOVEI - FROM ID IN EXAM 6 |
| 10 | | 0008 1717 QTOEXM | EQU X'08' FOR MOVEI - TO ID IN EXAM 6 |
| | | 0008 1718 QMWAIT | EQU X'08' MULTIPLE WAIT I/O REQUEST |
| | | 0008 1719 QCPWAIT | EQU X'08' ASYNC ERROR WAIT REQUEST |
| 11 | | 0010 1720 QSCT | EQU X'10' SUBSYSTEM CONFIG TABLE @0145 |
| | | 0010 1721 QNQ | EQU X'10' NON-QUIESCABLE REQUEST INDICATOR |
| | | 0020 1722 QXR2 | EQU X'20' RETURN XR2 FROM POSTER ON WAIT. |
| 12 | | 0040 1723 QXU | EQU X'40' USE USERS TCB ON EXAM I/O REQUEST 6 |
| | | 0000 1724 Q0 | EQU X'00' IMMEDIATE SVC EQUATE |
| | | 0080 1725 CSCALL | EQU X'80' CS SVC INDICATOR |
| 13 | | 0019 1726 QNONV | EQU QNQ+QMWAIT+QWAIT NON-VOLUNTARY SWAPPABLE WAIT |
| | | 0018 1727 QNCHPRI | EQU QNQ+QMWAIT NOT CHANGE PRIORITY ON WAIT 8 |
| | | 0009 1728 QSPEC | EQU QMWAIT+QWAIT SPECIFIC WAIT ON NON-ECM. |
| 14 | | 1729 * | |
| | | 00F4 1730 SVCOP | EQU X'F4' SVC OP CODE VALUE |
| 15 | | 00F5 1731 SVCXFR | EQU X'F5' SVC TRANSFER OP CODE |
| | | 1732 *** | END OF EXPANSION ** |
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| 12 | V09/11/81 12/08/81 00:29 |
| | ***** |
| | 03390000 |
| | * 03400000 |
| | 03410000 |
| | * 03420000 |
| | * 03430000 |
| | * 03440000 |
| | ***** |
| | 03450000 |
| | 03470000 |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 13 | V09/11/81 12/08/81 00:29 |
| 01 | ERR LOC OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 380 | ***** |
| | | 381 * | * |
| | | 382 * | THIS SECTION OF CODE RETRIEVES THE NEXT DIRECTORY ENTRY. |
| 03 | | 383 * | END OF SECTOR AND END OF BUFFER CONDITIONS ARE HANDLED. |
| | | 384 * | * |
| | | 385 | ***** |
| 04 | | 018F E2 02 1C | 387 XRF00080 LA XRFIRNEXC,XR2),XR2 INCR TO NEXT DIR ENTRY IN BUFFER |
| | | 0192 34 02 0432 | 388 ST XRFWORK,XR2 STORE POINTER |

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| 01 | ERR LOC OBJECT CODE |
| 02 | |
| 03 | |
| 04 | |

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| 16 | DIRHEAD C 001 0020 1329 |
| 16 | DIRLENGH C 001 001C 1302 |
| 16 | DIRLINK C 001 000E 1288 |
| 17 | DIRPRT C 001 0016 1294 |
| 17 | DIRNAME C 001 0008 1285 |
| 17 | DIRNEP C 001 0040 1319 |
| 18 | DIRNHIST C 001 0040 1309 |
| 18 | DIRNDINQ C 001 0020 1310 |
| 18 | DIRNONEX C 001 0008 1322 |
| 19 | DIRNSWAP C 001 0040 1328 |
| 19 | DIROVER C 001 0001 1316 |
| 19 | DIROXRF C 001 0001 1325 0366 0369 0560 |
| 20 | DIRPAD C 001 0040 1334 0295 |

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| 16 | DIACVERB C 001 0074 2997 |
| 16 | DIACVERB C 001 0023 2752 |
| 16 | DIACVERB C 001 0073 2996 |
| 17 | DIACNTL C 001 0025 2772 |
| 17 | DIACNRK C 001 0040 2901 |
| 17 | DIARR C 001 0058 2923 |
| 18 | DIASRFLG C 001 0027 2825 |
| 18 | DIASRTQE C 001 004C 2900 |
| 18 | DIASSAVA C 001 0009 2676 |
| 19 | DICSDUMP C 001 0054 2914 |
| 19 | DICSIZE C 001 0010 2699 |
| 19 | DICURAGE C 001 0048 2899 |
| 20 | DICURJCB C 001 003E 2879 |

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| V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| 02 | 1734 * XNTEQ 07800000 |
| 03 | 1736 ***** |
| 03 | 1737 ** MAIN STORAGE TRANSIENT AND TRANSFER CONTROL RIB EQUATES ** |
| 03 | 1738 ***** |
| 04 | 1739 ***** |
| 05 | 1741 ***** |
| 05 | 1742 * GENERAL EQUATES FOR TRANSIENT/TRANSFER TABLE ENTRIES * |
| 05 | 1743 ***** |
| 06 | 0080 1744 XEXAMID EQU X'80' EXAM ID TRANSFER ROUTINE |
| 06 | 0040 1745 XEAOFF EQU X'40' SET EA CYCLE XLATE OFF INDICATOR |
| 06 | 0020 1746 XEBOFF EQU X'20' SET EB CYCLE XLATE OFF INDICATOR |
| 07 | 0010 1747 XFERCTL EQU X'10' TRANSFER CONTROL ROUTINE |
| 07 | 0020 1748 XNTPRIV EQU X'20' PRIVILEGED TRANSIENT |
| 07 | 0008 1749 XNTAREAS EQU X'08' FIRST SECTOR IN TRANSIENT AREA(HIGH) |
| 08 | 000F 1750 XNTAREAE EQU X'0F' LAST SECTOR IN TRANSIENT AREA (HIGH) |
| 08 | 0008 1751 XFERTADM EQU X'08' IAR TRANSLATION ON |
| 08 | 0004 1752 XFEREADN EQU X'04' SET EA ON TRANSFER CONTROL |
| 09 | 0002 1753 XFEREBOB EQU X'02' SET EB ON TRANSFER CONTROL |
| 09 | 0001 1754 XFERMPOW EQU X'01' SET ON WRITE PROTECT(NON-PRIVLEDGED) |
| 09 | 1755 ***** |
| 10 | 1756 * 'SYSTEM' TRANSIENT RIB EQUATES (I.E., IMPLICIT DISK ADDR, LENGTH) * |
| 10 | 1757 ***** |
| 11 | 0000 1758 RRSV000 EQU X'00' RESERVED |
| 11 | 0001 1759 RFINDD EQU X'01' FIND |
| 11 | 0002 1760 ROPEN EQU X'02' OPEN |
| 11 | 0003 1761 RCLOSE EQU X'03' CLOSE |
| 12 | 0004 1762 REOJ EQU X'04' END-OF-JOB |
| 12 | 0005 1763 RSLOG EQU X'05' SYSLOG |
| 12 | 0006 1764 RSLIST EQU X'06' SYSLIST |
| 13 | 0007 1765 RSIN EQU X'07' SYSIN |
| 13 | 0008 1766 RSGET EQU X'08' SOURCE GET |
| 13 | 0009 1767 RMSG EQU X'09' MESSAGE RETREIVE |
| 14 | 000A 1768 RLTRY EQU X'0A' LIBRARY OPEN/CLOSE |
| 14 | 000B 1769 RVTOCFD EQU X'0B' VTDC READ/WRITE FD |
| 14 | 000C 1770 RALLOC EQU X'0C' ALLOCATE |
| 15 | 000D 1771 RDELOC EQU X'0D' DEALLOCATE |
| 15 | 000E 1772 RSALOC EQU X'0E' SPECIAL ALLOCATE |
| 15 | 000F 1773 RINFO EQU X'0F' RETRIEVE SYSTEM INFORMATION |
| 16 | 0010 1774 RVTORD EQU X'10' VTDC READ/WRITE RD |
| 16 | 0011 1775 RSNAP EQU X'11' SNAP DUMP |
| 16 | 0012 1776 RPHALT EQU X'12' RPG HALT |
| 17 | 0013 1777 RDMCALL EQU X'13' DATA MANAGEMENT CONTROLLER |
| 17 | 0014 1778 RPRALGN EQU X'14' PRINTER ALIGNMENT |
| 17 | 0015 1779 RCPRT EQU X'15' COMMAND PROCESSOR ROUTER |
| 18 | 0016 1780 RLOPEN EQU X'16' LIMITS OPEN |
| 18 | 0017 1781 RUSDM EQU X'17' USER WSDM REQUEST |
| 18 | 0018 1782 RSUSDM EQU X'18' SYSTEM WSDM REQUEST |
| 19 | 0019 1783 RFINDLIB EQU X'19' USER LIBRARY FIND REQUEST |
| 19 | 001A 1784 RAFA EQU X'1A' AFA ACCESS TRANSIENT |
| 19 | 001B 1785 RSPPOOL EQU X'1B' SPOOL INTERCEPT REQUEST |
| 20 | 001C 1786 RSPALC EQU X'1C' SPOOL ALLOCATE REQUEST |

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| PAGE 50 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| 02 | 0010 |
| 02 | 001E |
| 03 | 001F |
| 03 | 0020 |
| 03 | 0021 |
| 04 | 0022 |
| 04 | 0023 |
| 04 | 0024 |
| 05 | 0025 |
| 05 | 0026 |
| 05 | 0027 |
| 06 | 0028 |
| 06 | 0029 |
| 06 | 002A |
| 07 | 002B |
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| 07 | 002D |
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| 13 | 003E |
| 13 | 003F |
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| 14 | 0042 |
| 15 | 0043 |
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| 16 | 0110 |
| 16 | 0088 |

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| V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| 02 | 01BE 402 XRFPHAS2 EQU * 03840000 |
| 02 | 403 ***** 03850000 |
| 03 | 404 * * 03860000 |
| 03 | 405 * BUILT AN IN-CORE FORMAT INDEX TABLE FROM THE INDEX SECTORS OF * 03870000 |
| 03 | 406 * ##FCPF & ##FCCF (2ND MAY NOT BE PRESENT), OR ##CC\$FMT (OPTIONAL * 03880000 |
| 04 | 407 * FORMAT MEMBER FOR SUBCONSOLE. * 03890000 |
| 04 | 408 * FOR BALBOA ALSO USE FORMAT MODULES ##BCPF AND ##BCCF AND ##220 * 03900000 |
| 04 | 409 * ##CC\$FMT FOR OPTIONAL SUBCONSOLE. ##220 * 03910000 |
| 04 | 410 * WILL BE USED TO FILL IN FORMAT INDEX TABLE IN CP SCP MODULES. * 03920000 |

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| PAGE 14 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| 02 | 022D 0D 02 046E 047A |
| 03 | 0233 F2 81 2E |

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| 01 | ERR LOC OBJECT CODE ADDR |
| 02 | 0010 |
| 02 | 001E |
| 03 | 001F |
| 03 | 0020 |
| 03 | 0021 |
| 04 | 0022 |
| 04 | 0023 |
| 04 | 0024 |
| 05 | 0025 |
| 05 | 0026 |
| 05 | 0027 |
| 06 | 0028 |
| 06 | 0029 |
| 06 | 002A |
| 07 | 002B |
| 07 | 002C |
| 07 | 002D |
| 08 | 002E |
| 08 | 002F |
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| 11 | 0038 |
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| 15 | 0043 |
| 16 | 0110 |
| 16 | 0088 |

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| PAGE 14 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE ADDR |
| 02 | 022D 0D 02 046E 047A |
| 03 | 0233 F2 81 2E |

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| PAGE 14 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE ADDR |
| 02 | 022D 0D 02 046E 047A |
| 03 | 0233 F2 81 2E |

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| 16 | D1ACTSKA C 001 0074 2997 2998 |
| | D1ACVERA C 001 0023 2752 2757 |
| | D1ACVERD C 001 0073 2996 2997 |
| | D1ADCNL C 001 0025 2772 2802 |
| 17 | D1AQEWK C 001 0040 2901 2902 |
| | D1ARR C 001 0058 2923 2924 |
| | D1ASRFLG C 001 0027 2825 2834 |
| 18 | D1ASRTQE C 001 004C 2900 2901 |
| | D1ASSAVA C 001 0009 2676 2677 |
| | D1CSOUMP C 001 0054 2914 2915 |
| 19 | D1CSIZE C 001 0010 2699 |
| | D1CURAQE C 001 004B 2899 2900 |
| 20 | D1CURJCB C 001 003E 2879 0264 2880 |

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| 16 | D1LSTRT C 001 0020 2748 |
| | D1LDTCB C 001 004B 2894 |
| | D1LOGLM C 001 004A 2898 |
| | D1LOGPT C 001 0049 2895 |
| 17 | D1LOGSIZ C 001 0051 2911 |
| | D1LOGSS C 001 0050 2910 |
| | D1LOGSSH C 001 004F 2907 |
| 18 | D1LOGUSD C 001 0052 2912 |
| | D1MWTQE C 001 0031 2847 |
| | D1MPTOBA C 001 0034 2850 |
| 19 | D1MSATRS C 001 002C 2842 |
| | D1MSIZE C 001 000F 2693 |
| 20 | D1MFACE C 001 0033 2849 |

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| 00 | V09/11/81 12/08/81 00:29 |
| 01 | 07800000 |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
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| 01 | | | | | |
| 02 | | 001D | 1787 | RCPEER | EQU X'1D' COMMAND PROCESSOR I/O ERROR |
| | | 001E | 1788 | RTTC | EQU X'1E' TASK-TASK COMMUNICATIONS |
| 03 | | 001F | 1789 | RCPTC | EQU X'1F' COMMAND PROCESSOR TASK-TASK |
| | | 0020 | 1790 | RSETX | EQU X'20' SET EXIT |
| 04 | | 0021 | 1791 | RMDDB | EQU X'21' WSDM TRANSIENT |
| | | 0022 | 1792 | RSVNR | EQU X'22' .. |
| 05 | | 0023 | 1793 | RWDG | EQU X'23' .. |
| | | 0024 | 1794 | RWDAF | EQU X'24' .. |
| 06 | | 0025 | 1795 | RWDDO | EQU X'25' .. |
| | | 0026 | 1796 | RWDDA | EQU X'26' .. |
| 07 | | 0027 | 1797 | ROFFLINE | EQU X'27' OFFLINE MV DATA MGMT. |
| 08 | | 0028 | 1798 | RWDDH | EQU X'28' WSDM TRANSIENT |
| | | 0029 | 1799 | RWDDQ | EQU X'29' .. |
| 09 | | 002A | 1800 | RWDCCP | EQU X'2A' .. |
| 10 | | 002B | 1801 | RPRA2 | EQU X'2B' SECURITY |
| | | 002C | 1802 | RCMD | EQU X'2C' COMMAND OCL INTERFACE |
| 11 | | 002D | 1803 | RIERR | EQU X'2D' I/O ERROR TRANSIENT |
| 12 | | 002E | 1804 | REXTND | EQU X'2E' EDF EXTEND TRANSIENT |
| | | 002F | 1805 | RUPDAT | EQU X'2F' EDF UPDATE TRANSIENT |
| 13 | | 0030 | 1806 | RCHKPT | EQU X'30' CHECKPOINT TRANSIENT |
| 14 | | 0031 | 1807 | RSPMTC | EQU X'31' SPOOL TRANSIENT |
| | | 0032 | 1808 | RICDA | EQU X'32' ICF (CVC) 4 |
| 15 | | 0033 | 1809 | RICDB | EQU X'33' ICF (CVC) 4 |
| | | 0034 | 1810 | RICDC | EQU X'34' ICF (CVC) 4 |
| 16 | | 0035 | 1811 | RSVTX | EQU X'35' TWA EXTENSION 3 |
| | | 0036 | 1812 | RSORT | EQU X'36' SORT TRANSIENT 4 |
| 17 | | 0037 | 1813 | REXTRA | EQU X'37' EXTENDED TRACE 4 |
| | | 0038 | 1814 | RWDDL | EQU X'38' WSDM TRANSIENT |
| 18 | | 0039 | 1815 | RGLFR | EQU X'39' GLF TRANSIENT 5 |
| | | 003A | 1816 | RGLFAC | EQU X'3A' GLF TRANSIENT 5 |
| 19 | | 003B | 1817 | REXTNP | EQU X'3B' EXTENDED PRINT 6 |
| | | 003C | 1818 | RSMFC | EQU X'3C' SMP COMM. DATA COLLECTION 6 |
| 20 | | 003D | 1819 | RICDD | EQU X'3D' PEER MULTIPOINT 6 |
| | | 003E | 1820 | RWDDU | EQU X'3E' WSDM XIENT * |
| | | 003F | 1821 | RWDDT | EQU X'3F' * |
| | | 0040 | 1822 | RWEGE | EQU X'40' * |
| | | 0041 | 1823 | RRODM | EQU X'41' ROOM TTC XIENT CALL |
| | | 0042 | 1824 | RWDHM | EQU X'42' WSDM XIENT |
| | | 0043 | 1825 | RSPQMG | EQU X'43' SPOOL QUEUE MGMT XIENT |
| | | 0043 | 1826 | RXTEND | EQU RSPQMG LAST VALID ENTRY |
| | | 0110 | 1828 | XFLENBYT | EQU RXTEND*4+4 LENGTH OF XFER TABLE (BYTES) |
| | | 0088 | 1829 | XFLENWRD | EQU RXTEND*2+2 LENGTH OF XFER TABLE (WORDS) |
| | | 1830 | *** | END OF EXPANSION ** | |

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| 14 | V09/11/81 12/08/81 00:29 |
| 01 | 03840000 |
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| | 03860000 |
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| 20 | 03900000 |
| 20 | 03910000 |
| | 03920000 |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|---|---|----------------|
| 01 | | | | | |
| 02 | | 449 | ***** | | 04310000 |
| | | 450 | * | | 04320000 |
| 03 | | 451 | * NOW PROCESS 3RD AND 4TH FORMAT MODULES - ##BCPF AND ##BCCF OR | * | 04330000 |
| | | 452 | * ##CC\$FMT IF SUBCONSOLES ARE ACTIVE. | * | 04340000 |
| | | 453 | * | * | 04350000 |
| 04 | | 454 | ***** | | 04360000 |
| | | 022D | 0D 02 046E 047A | 456 XRF00098 CLC XRBCPSSS(3),XRFEMPTY 3RD FORMAT MODULE ? | aa220 04380000 |
| | | 0233 | F2 81 2E | 457 JE XRF0009C NO - CONTINUE | aa220 04390000 |

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| 16 | DILDSTR C 001 0020 2748 2749 |
| | DILDTCBA C 001 0048 2894 |
| | DILGLIM C 001 004A 2898 2899 |
| | DILGPT C 001 0049 2895 2898 |
| 17 | DILGSI2 C 001 0051 2911 2912 |
| | DILGSS C 001 0050 2910 2911 |
| | DILGSSH C 001 004F 2907 2910 |
| 18 | DILGUSD C 001 0052 2912 2913 |
| | DIMNTQE C 001 0031 2847 2848 |
| | DIMP10BA C 001 0034 2850 2851 2852 2853 2854 2855 |
| 19 | DIMSATRS C 001 002C 2842 2843 |
| | DIMSIZE C 001 000F 2693 2698 |
| | DIMXACEA C 001 0033 2849 2850 |
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| 16 | DITPMVA C 001 0017 2 |
| | DITPTOX C 001 0029 2 |
| | DITPTOX C 001 002A 2 |
| | DITRACEA C 001 0039 2 |
| 17 | DITR10BA C 001 003A 2 |
| | DITRSVA C 001 0030 2 |
| | DITW10BA C 001 0034 2 |
| 18 | DITWTCBA C 001 0048 2 |
| | DITUNUSO C 001 0008 2 |
| | DITUNUSE C 001 005E 2 |
| 19 | DITURCS C 001 006F 2 |
| | DITURMS C 001 006E 2 |
| 20 | DITUSCAF C 001 000C 2 |

C19

51 V09/11/81 12/08/81 00:29

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|-------------|-----------|---------------------------|---|----------|
| 01 | | | | | |
| 02 | | 1832 * | | SCAEQ | 07820000 |
| | | 1833 | | ***** | |
| 03 | | 1834 * | | | * |
| | | 1835 * | | SYSTEM | * |
| | | 1836 * | | | * |
| 04 | | 1837 * | | COMMUNICATION AREA | * |
| | | 1838 * | | | * |
| | | 1839 | | ***** | |
| 05 | | 0000 1841 | SCASYS EQU 0 | BEGINNING OF SYSTEM COMM | |
| | | 1842 * | | | |
| 06 | | 0001 1843 | SCADDMIC EQU SCASYS+1 | ABNORMAL TERMINATION ERROR MIC | |
| | | 1844 * | | (WILL BE SEEN IN DUMP AREA ONLY) | |
| | | 1845 * | | | |
| 07 | | 0000 1846 | SCADPVC EQU SCASYS 3 | DUMP SVC (LEFT HAND ADDRESS) | |
| | | 0003 1847 | SCADXSVC EQU SCADPVC+3 3 | TRANSIENT EXIT SVC (LEFT HAND) | |
| | | 0005 1848 | SCADSSVC EQU SCASYS+5 | SYSTEM SVC AREA | |
| | | 1849 * | | | |
| 08 | | 0006 1850 | SCAMSIZ EQU SCADSSVC+1 1 | MAIN STORAGE SIZE IN 2K BLOCKS | |
| | | 0080 1851 | SCAM256K EQU X'80' | X'80' - 256K MAIN STORAGE (R7) | |
| 09 | | 0040 1852 | SCAM128K EQU X'40' | X'40' - 128K MAIN STORAGE | |
| | | 0030 1853 | SCAMS96K EQU X'30' | X'30' - 96K MAIN STORAGE | |
| | | 0020 1854 | SCAMS64K EQU X'20' | X'20' - 64K MAIN STORAGE | |
| | | 0018 1855 | SCAMS48K EQU X'18' | X'18' - 48K MAIN STORAGE | |
| 10 | | 0010 1856 | SCAMS32K EQU X'10' | X'10' - 32K MAIN STORAGE | |
| | | 1857 * | | | |
| | | 0008 1858 | SCA2KBAD EQU SCAMSIZ+2 2 | ADDRESS OF BAD 2K BLOCKS SAVE | |
| 11 | | 0000 1859 | SCA2KOK EQU X'0000' | NO BAD 2K BLOCKS | |
| | | 1860 * | | | |
| | | 000A 1861 | SCADSP1A EQU SCA2KBAD+2 2 | SPOOL INTERCEPT STORAGE ADDRESS | |
| 12 | | 1862 * | | | |
| | | 000B 1863 | SCADCF52 EQU SCADSP1A+1 1 | CONFIGURATION RECORD SECTORS | |
| | | 1864 * | | | |
| 13 | | 000C 1865 | SCA#2KMS EQU SCADCF52+1 1 | NUMBER OF AVAILBLE 2K BLOCKS MS | |
| | | 1866 * | | (MAIN STORAGE SIZE MINUS NUMBER | |
| | | 1867 * | | OF BAD 2K BLOCKS) | |
| 14 | | 1868 * | | | |
| | | 000D 1869 | SCAMS#2K EQU SCA#2KMS+1 1 | 2K BLOCKS OF USER STORAGE | |
| | | 1870 * | | | |
| 15 | | 000E 1871 | SCAMXRG EQU SCAMS#2K+1 1 | SWAPPABLE TASK REGION SIZE | |
| | | 1872 * | | | |
| | | 000F 1873 | SCASDISK EQU SCAMXRG+1 1 | DISK CONFIGURATION | |
| 16 | | 0080 1874 | SCADUAL EQU X'80' | MULTIPLE SPINDLE DISK (R7) | |
| | | 0080 1875 | SCA2SPIN EQU X'80' | 2 SPINDLE DISK (R7) | |
| | | 0020 1876 | SCA3SPIN EQU X'20' | 3 SPINDLE DISK (R7) | |
| 17 | | 0010 1877 | SCA4SPIN EQU X'10' | 4 SPINDLE DISK (R7) | |
| | | 0040 1878 | SCADKCFG EQU X'40' | DISK CONFIG FLAG (R3) | |
| | | 1879 * | | 0 - SMALL CAPACITY DISK | |
| 18 | | 1880 * | | 1 - LARGE CAPACITY DISK | |
| | | 1881 | | ***** | |
| | | 1882 * | | THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A SMALL * | |
| 19 | | 1883 * | | CAPACITY DISK, ONE WITH 60 SECTORS PER TRACK. * | |
| | | 1884 | | ***** | |
| 20 | | 0081 1885 | SCADSKS EQU X'81' | DISK STATUS BITS | |

B19

15 V09/11/81 12/08/81 00:29

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | |
|---------|-------------|-------|------|---|----------|
| 01 | | | | | |
| 02 | | 490 | | ***** | 04720000 |
| | | 491 * | | | 04730000 |
| 03 | | 492 * | | AT THIS POINT THE ADDRESSES OF ALL SCP MODULES HAVE | 04740000 |
| | | 493 * | | BEEN BUILT IN THE RESIDENT TABLE. | 04750000 |
| | | 494 * | | EACH MODULE IN THE RESIDENT TABLE WITH A WTG TABLE OR A FORMAT | 04760000 |
| 04 | | 495 * | | INDEX TABLE IS READ INTO THE WORK BUFFER. FOR A MODULE WITH A WTG * | 04770000 |
| | | 496 * | | TABLE, THE DISK ADDRESS, # OF TEXT SECTORS, AND RLD DISPLACEMENT * | 04780000 |
| | | 497 * | | IS PLUGGED INTO ITS WTG TABLE. FOR A MODULE WITH A FORMAT INDEX * | 04790000 |
| | | 498 * | | TABLE THE INFO IS MOVED FROM THE IN CODE FORMAT TABLE TO THE * | 04800000 |

| ERR LOC | OBJECT CODE |
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| 01 | |
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| 04 | 0288 BD 00 09 |
| | 0288 CO 81 029F |

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|----|------------------------------------|-------------------------------|
| 16 | D1TPTOXH C 001 0029 2835 2836 | D1TPTOXL C 001 002A 2836 2841 |
| 17 | D1TRACE@ C 001 0039 2870 | D1TRIOB@ C 001 003A 2871 2872 |
| | D1TRSAVE C 001 0030 2846 2847 | D1TWIOB@ C 001 0034 2852 |
| 18 | D1TWTCB@ C 001 0048 2893 2894 2895 | D1UNUS08 C 001 0008 2675 2676 |
| | D1UNUS5E C 001 005E 2933 2934 | D1WRCS C 001 006F 2978 2980 |
| 19 | D1WRMS C 001 006E 2977 2978 | D1USCAF C 001 000C 2679 2680 |
| 20 | | |

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| 16 | FIADKEYL C 001 0028 1183 | FIADKEYO C 001 002A 1185 |
| | FIADLABL C 001 0008 1030 | FIADLBOW C 001 0011 1088 |
| 17 | FIADLBUS C 001 0012 1090 | FIADLSTK C 001 002E 1187 |
| | FIADLSTP C 001 0035 1191 | FIADLSTR C 001 0015 1092 |
| 18 | FIADLNR C 001 0025 1168 | FIADPCBQ C 001 003D 1206 |
| | FIADRECL C 001 000F 1080 | FIADRECNC 001 0012 1086 |
| 19 | FIADRES3 C 001 003F 1207 | FIADRFED C 001 0027 1171 |
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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 53 V09/11/81 12/08/81 00:29 | |
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | 0001 | 1886 | SCAMDSIZ EQU X'01' . X'01' - DISK FILE SIZE |
| | | 1887 * | 0 - 8 MEGABYTE DISK |
| | | 1888 * | 1 - 12 MEGABYTE DISK |
| 03 | 0081 | 1889 | SCAM27MG EQU X'81' . 27 MEGABYTE DISK |
| | 0001 | 1890 | SCAM13MG EQU 1 . 13 MEGABYTE DISK |
| 04 | 0000 | 1891 | SCAM10MG EQU 0 . 8 MEGABYTE DISK |
| | | 1892 * | |
| | | 1893 | ***** |
| 05 | | 1894 * | THE FOLLOWING DISK CONFIGURATION FLAGS ARE VALID ONLY FOR A LARGE * |
| | | 1895 * | CAPACITY DISK, ONE WITH 64 SECTORS PER TRACK. * |
| | | 1896 | ***** |
| 06 | 0040 | 1897 | SCAM62PC EQU X'40' . LARGE CAPACITY DISK IR31 |
| | 0001 | 1898 | SCAM65MG EQU X'01' . 65 MEGABYTE DISK IR31 |
| | 0041 | 1899 | SCAM65M EQU X'41' . 65 MEGABYTE DISK IR71 |
| 07 | 00C1 | 1900 | SCAM130M EQU X'C1' . 130 MEGABYTE DISK IR71 |
| | 00E1 | 1901 | SCAM195M EQU X'E1' . 195 MEGABYTE DISK IR71 |
| | 00D1 | 1902 | SCAM260M EQU X'D1' . 260 MEGABYTE DISK IR71 |
| | | 1903 * | |
| 08 | 0010 | 1904 | SCADPIND EQU SCADISK+1 1 SYSTEM/DUMP INDICATOR |
| | 00A5 | 1905 | SCAMDPOK EQU X'A5' . VALID DUMP |
| 09 | 005A | 1906 | SCAMPUS EQU X'5A' . VALID DUMP - HAS BEEN ACCESSED |
| | | 1907 * | |
| | 0011 | 1908 | SCACSIZE EQU SCADPIND+1 1 CONTROL STORAGE CONFIGURATION |
| | 0004 | 1909 | SCACS16K EQU X'04' . X'04' -16K CONTROL STORAGE |
| | | 1910 * | |
| | 0012 | 1911 | SCADCFG1 EQU SCACSIZE+1 1 SPOOL AND JOBQ INDICATORS |
| | 0080 | 1912 | SCAMAUTO EQU X'80' . X'80' - AUTO WRITER SUPPORTED |
| | | 1913 * | EQU X'40' . X'04' - RESERVED IR81 |
| | 0020 | 1914 | SCAMSPGP EQU X'20' . X'20' - SPOOL ALL PRINTERS IR81 |
| | 0010 | 1915 | SCAMSACT EQU X'10' . X'10' - SPOOL IS ACTIVE |
| | | 1916 * | (SUPP TED NOT CANCELLED) |
| | 0008 | 1917 | SCAMCRAN EQU X'08' . X'08' - SP COMPRESSION RUN |
| | | 1918 * | (REFORMAT SPOOL FILE AT IPL) |
| 13 | 0004 | 1919 | SCAMJQHD EQU X'04' . X'04' - HOLD JOB QUEUE |
| | | 1920 * | (DO NOT START AT IPL) |
| 14 | 0002 | 1921 | SCAMJQFM EQU X'02' . X'02' - REFORMAT JOBQ AT IPL |
| | | 1922 * | IF NOT IPL, INPUT JOB QUEUE |
| | | 1923 * | HAS BEEN POSTED |
| 15 | 0001 | 1924 | SCAMSPB EQU X'01' . X'01' - ALLOCATE FILE ON 'B' |
| | | 1925 * | |
| | 0013 | 1926 | SCADCFG2 EQU SCADCFG1+1 1 SSP CONFIGURATION OPTIONS |
| 16 | 0080 | 1927 | SCAMCNAT EQU X'80' . COMMAND LANGUAGE |
| | 0040 | 1928 | SCAMPUSF EQU X'40' . PASSWORD SECURITY |
| | 0020 | 1929 | SCAMJOBQ EQU X'20' . JOB QUEUE |
| | 0010 | 1930 | SCAMPOL EQU X'10' . SPOOL |
| 17 | 0008 | 1931 | SCAMDMK EQU X'08' . DISPLAY STATION DM TRANSIENT |
| | 0004 | 1932 | SCAMDMPR EQU X'04' . DISPLAY STATION DM RESIDENT |
| | | 1933 * | NOTE: IF 'DMK DMR' BOTH =1 |
| | | 1934 * | THEN RESIDENT/TRANSIENT |
| | | 1935 * | VERSION OF DSM SELECTED. |
| 19 | 0002 | 1936 | SCAMKMSG EQU X'02' . KEEP INFO. MESSAGES AT EQJ IR41 |
| | 0001 | 1937 | SCAMCDE EQU X'01' . COMMAND LANGUAGE IS ENGLISH |
| | | 1938 * | |
| 20 | 0014 | 1939 | SCADCFG3 EQU SCADCFG2+1 1 COMMUNICATIONS FEATURES IR31 |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 17 V09/11/81 12/08/81 00:29 | |
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 523 | ***** |
| | | 524 * | ***** |
| 03 | | 525 * | CHECK THE WTG TABLE AND FORMAT INDEX TABLE INDICATOR. * |
| | | 526 * | ***** |
| | | 527 | ***** |
| 04 | 0288 BD 00 09 | 529 | CLI XRFXRJTG(,2),ZERO CHECK IF TABLE INDICATOR IS 0 |
| | 0288 CO 81 029F | 530 | BE XRF00100 IF YES THIS MODULE NOT OXRFBABLE |

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| 04 | 0280 38 80 0477 | |
| | 02E1 C2 01 0C5F | |
| | 03EE 80 00 00 | |

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| 16 | FIADKEYL C 001 0028 1183 1185 |
| | FIADLABL C 001 0008 1030 1034 |
| | FIADLBOW C 001 0011 1088 1090 |
| | FIADLBUS C 001 0012 1090 |
| 17 | FIADLSTK C 001 002E 1187 1189 |
| | FIADLSTP C 001 0035 1191 1193 |
| | FIADLSTR C 001 0015 1092 0228 1094 1096 1099 |
| 18 | FIADOWNR C 001 0025 1168 1169 |
| | FIADPCBQ C 001 003D 1206 1207 |
| | FIADRECL C 001 000F 1080 1082 1085 1086 1088 |
| 19 | FIADRECN C 001 0012 1086 1092 |
| | FIADRES3 C 001 003F 1207 1212 |
| | FIADRFED C 001 0027 1171 |
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| 16 | FIAMSCDB C 001 0080 1066 |
| | FIAMSCRT C 001 0001 1044 |
| | FIAMSORT C 001 0080 1055 |
| | FIAMSPAI C 001 0004 1077 |
| 17 | FIAMSPAZ C 001 0002 1077 |
| | FIAMSYSC C 001 0001 1033 |
| | FIAMTEMP C 001 0004 1044 |
| 18 | FIAMVALL C 001 0070 1124 |
| | FIAMVIST C 001 0010 1121 |
| | FIAMVZND C 001 0020 1123 |
| 19 | FIAMV3RD C 001 0030 1124 |
| | FIAMV4TH C 001 0040 1125 |
| | FIAMVXFG C 001 0008 1058 |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|-----------|--------------|--|
| 02 | | 0080 1940 | SCAMBSA EQU | X'80' . BSCA |
| | | 0020 1941 | SCAMSRJE EQU | X'20' . SRJE |
| 03 | | 0040 1942 | SCAMMRJE EQU | X'40' . MRJE |
| | | 0010 1943 | SCAMSNA EQU | X'10' . SNA |
| | | 0008 1944 | SCAMRWS EQU | X'08' . RWS |
| 04 | | 0004 1945 | SCAMTCS EQU | X'04' . SSP/ICF IR41 |
| | | 0002 1946 | SCAMLCAF EQU | X'02' . MLCA IR61 |
| | | 0001 1947 | SCAMTTO EQU | X'01' . AUTOCALL IR61 |
| 05 | | 0015 1949 | SCAMBSV EQU | SCADCFG3+1 1 SSP CONFIGURATION OPTIONS |
| | | 0080 1950 | SCAMDS32 EQU | X'80' X'80' - SINGLE PROGRAM MODE |
| 06 | | 0040 1951 | SCAMSMFM EQU | X'40' . X'40' - MLCA SMF ACTIVE IR61 |
| | | 0020 1952 | SCAMSMF EQU | X'20' . X'20' - SMF ACTIVE IR41 |
| | | 0010 1953 | SCAMCLOG EQU | X'10' . X'10' - CONSOLE SYSLOG POSTED |
| 07 | | 0008 1954 | SCAMFLG EQU | X'08' . X'08' - SECURITY |
| | | 0004 1955 | SCAMCFGS EQU | X'04' . X'04' - BUILD CONFIG RECORDS |
| | | 0002 1956 | SCAMPIE EQU | X'02' . X'02' - PID MODEL INDICATOR |
| 08 | | 0001 1957 | SCAMDEAD EQU | X'01' X'01' - DEDICATED EXECUTION |
| | | 1958 * | | |
| 09 | | 0016 1959 | SCADREL# EQU | SCAMBSV+1 1 SYSTEM RELEASE LEVEL |
| | | 0017 1960 | SCADMOD# EQU | SCADREL#+1 1 SYSTEM MODIFICATION LEVEL |
| | | 1961 * | | |
| 10 | | 0018 1962 | SCADCMTR EQU | SCADMOD#+1 1 COMMUNICATIONS TRACE INDICATORS |
| | | 0080 1963 | SCAML4TX EQU | X'80' . EXTENDED TRACE LINE4 IR61 |
| | | 0040 1964 | SCAML3TX EQU | X'40' . EXTENDED TRACE LINE3 IR61 |
| | | 0020 1965 | SCAML2TX EQU | X'20' . EXTENDED TRACE LINE2 IR41 |
| 11 | | 0010 1966 | SCAML1TX EQU | X'10' . EXTENDED TRACE LINE1 IR41 |
| | | 0008 1967 | SCAML4TR EQU | X'08' . TRACE COMMUNICATIONS LINE 4 IR61 |
| | | 0004 1968 | SCAML3TR EQU | X'04' . TRACE COMMUNICATIONS LINE 3 IR61 |
| | | 0002 1969 | SCAML2TR EQU | X'02' . TRACE COMMUNICATIONS LINE 2 IR31 |
| 12 | | 0001 1970 | SCAML1TR EQU | X'01' . TRACE COMMUNICATIONS LINE 1 |
| | | 1971 * | | |
| 13 | | 1972 * | | THE FOLLOWING FIELDS DESCRIBE THE DISK ADDRESS (SS) AND |
| | | 1973 * | | SIZE (SECTORS) OF VARIOUS WORK AREAS ON THE DISK. WHERE |
| | | 1974 * | | POSSIBLE THE SS HAS BEEN DEFINED AS A 2 BYTE FIELD. THESE |
| 14 | | 1975 * | | FIELDS ARE ORDER DEPENDENT AND DESCRIBE A ONE-TO-ONE |
| | | 1976 * | | RELATIONSHIP WITH THE SYSTEM CONFIGURATION RECORD, PART-1. |
| | | 1977 * | | |
| 15 | | 001A 1978 | SCASSTWA EQU | SCADCMTR+2 2 SS OF TASK WORK AREA |
| | | 001C 1979 | SCATWASZ EQU | SCASSTWA+2 2 SIZE OF TASK WORK AREA |
| | | 1980 * | | |
| 16 | | 001E 1981 | SCAFVTOC EQU | SCATWASZ+2 2 SECTOR ADDRESS OF DISK VTOC |
| | | 0020 1982 | SCAFVTON EQU | SCAFVTOC+2 2 SIZE OF DISK VTOC |
| | | 1983 * | | |
| 17 | | 0022 1984 | SCAIVTOC EQU | SCAFVTON+2 2 SS OF DISKETTE VTOC WORK AREA |
| | | 0023 1985 | SCAIVTON EQU | SCAIVTOC+1 1 SIZE OF DISKETTE VTOC WORK AREA |
| | | 1986 * | | |
| 18 | | 0025 1987 | SCASIOSS EQU | SCAIVTON+2 2 SS OF SIO TABLE DIRECTORY |
| | | 0027 1988 | SCALOGSS EQU | SCASIOSS+2 2 SS OF ERROR TABLE DIRECTORY |
| | | 1989 * | | |
| 19 | | 0029 1990 | SCADSSMS EQU | SCALOGSS+2 2 SS OF MAIN STORAGE DUMP AREA |
| | | 002B 1991 | SCADSSCS EQU | SCADSSMS+2 2 SS OF CONTROL STORAGE DUMP AREA |
| | | 002D 1992 | SCADSSIO EQU | SCADSSCS+2 2 SS OF I/O PROCESSOR DUMP AREA |
| | | 1993 * | | |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
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| 02 | | 539 | | ***** |
| | | 540 * | | ***** |
| 03 | | 541 * | | FIND THE LAST TEXT BYTE IN THE MODULE. * |
| | | 542 * | | ***** * |
| | | 543 | | ***** |
| 04 | | 02D0 3B 80 0477 | 545 | XRF00115 SBF XRFWITCH,XRFSOLV SET OFF RESOLVED SWITCH |
| | | 02E1 C2 01 0C5F | 546 | LA XRFBUFE,XR1 FIND LAST BYTE IN BUFFER |

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|----|----------------|------|------|
| 16 | FIAMSCD C 001 | 9080 | 1066 |
| | FIAMSCRT C 001 | 0001 | 1046 |
| | FIAMSORT C 001 | 0080 | 1054 |
| | FIAMSPA1 C 001 | 0004 | 1072 |
| 17 | FIAMSPA2 C 001 | 0002 | 1073 |
| | FIAMSYSF C 001 | 0001 | 1031 |
| | FIAMTEMP C 001 | 0004 | 1044 |
| 18 | FIAMVALL C 001 | 0070 | 1126 |
| | FIAMV1ST C 001 | 0010 | 1121 |
| | FIAMV2ND C 001 | 0020 | 1123 |
| 19 | FIAMV3RD C 001 | 0030 | 1124 |
| | FIAMV4TH C 001 | 0040 | 1125 |
| | FIAMV5TH C 001 | 0008 | 1058 |
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| 16 | JCBDINT2 C 001 | 0001 | |
| | JCBDJ81D C 001 | 0047 | |
| | JCBDJBRG C 001 | 0057 | |
| | JCBDJOBH C 001 | 0061 | |
| 17 | JCBDJQST C 001 | 005A | |
| | JCBDLANG C 001 | 0062 | |
| | JCBDLCLA C 001 | 006F | |
| | JCBDLNPG C 001 | 0048 | |
| 18 | JCBDLP1# C 001 | 0006 | |
| | JCBDMPNF C 001 | 005E | |
| | JCBDMENL C 001 | 0045 | |
| 19 | JCBDMENU C 001 | 0043 | |
| | JCBDNFTF C 001 | 004E | |
| 20 | JCBDPAT C 001 | 000C | |

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54 V09/11/81 12/08/81 00:29

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|------|--------------|---|
| 01 | | | | | |
| 02 | | 002F | 1994 | SCADSNFG EQU | SCADSS10+2 2 SS OF CONFIGURATION RECORD |
| | | | 1995 | * | |
| 03 | | 0031 | 1996 | SCASHIST EQU | SCADSNFG+2 2 START SS OF HISTORY FILE |
| | | 0033 | 1997 | SCAHFS1Z EQU | SCASHIST+2 2 SIZE OF HISTORY FILE |
| | | 0035 | 1998 | SCAHFCUR EQU | SCAHFS1Z+2 2 SS OF CURRENT HISTORY FILE ENTRY |
| | | | 1999 | * | |
| 04 | | 0038 | 2000 | SCASMSG1 EQU | SCAHFCUR+3 3 SS-1ST LVL SSP MSG MEMB (**MSG1) |
| | | 0038 | 2001 | SCASHMSG EQU | SCASMSG1+3 3 SS-SSP HEADINGS MSG MEMB(**MSG2) |
| | | 003E | 2002 | SCASHMSG EQU | SCASHMSG+3 3 SS-SSP WK STATN MSG MEMB(**MSG9) |
| 05 | | 0041 | 2003 | SCASMSG2 EQU | SCASHMSG+3 3 SS-2ND LVL SSP MSG MEMB (**MSG4) |
| | | | 2004 | * | |
| 06 | | 0044 | 2005 | SCADSSJQ EQU | SCASMSG2+3 3 SS OF INPUT JOB QUEUE FILE |
| | | | 2006 | * | |
| | | 0047 | 2007 | SCADSSPR EQU | SCADSSJQ+3 3 SS OF SPOOL PRIMARY FILE (R81 |
| | | | 2008 | * | BEFORE SPOOL IS INITIALIZED DURING IPL THIS FIELD WILL |
| | | | 2009 | * | BE INITIALIZED TO ONE OF THE FOLLOWING: |
| | | | 2010 | * | X'000000' CANCEL SPOOL. |
| | | | 2011 | * | X'FF0000' DELETE SPOOL FILE AND CANCEL SPOOL. |
| 08 | | | 2012 | * | X'00N###' WHERE: N = SPOOL FILE SEGMENT SIZE (BLOCKS-1) |
| | | | 2013 | * | ### = NUMBER OF SPOOL FILE SEGMENTS |
| | | | 2014 | * | |
| 09 | | 0049 | 2015 | SCAUSER@ EQU | SCADSSPR+2 2 START ADDRESS OF USER STORAGE |
| | | 004B | 2016 | SCADS@ EQU | SCAUSER@+2 2 ADDRESS OF SPOOL BUFFER POOL |
| | | | 2017 | * | |
| 10 | | 004D | 2018 | SCADMERP EQU | SCADS@+2 2 ADDRESS OF MSP ERROR SAVE AREA |
| | | 004D | 2019 | SCADCPK@ EQU | SCADMERP 2 ADDRESS OF C.P. DISKETTE IOB |
| | | | 2020 | * | |
| 11 | | 004F | 2021 | SCADLBF1 EQU | SCADMERP+2 2 ADDRESS OF #LIBRARY FORMAT-1 |
| | | | 2022 | * | |
| 12 | | 0051 | 2023 | SCADF1ST EQU | SCADLBF1+2 2 FIRST ACTIVE FORMAT-1 ON CHAIN |
| | | 0052 | 2024 | SCAD#TUB EQU | SCADF1ST+1 1 NUMBER OF LOCAL CONFIG. TUBS |
| | | | 2025 | * | |
| 13 | | 0053 | 2026 | SCADBSCT EQU | SCAD#TUB+1 1 NUMBER OF USERS OF BSC DM |
| | | | 2027 | * | |
| | | 0055 | 2028 | SCADVICE EQU | SCADBSCT+2 2 ADDRESS OF DEVICE ALLOC TABLE |
| | | | 2029 | * | |
| 14 | | 0057 | 2030 | SCADSEU@ EQU | SCADVICE+2 2 ADDRESS SEU MEMBER CHAIN |
| | | 0059 | 2031 | SCADSEUQ EQU | SCADSEU@+2 2 SEU QUEUE HEADER |
| | | 0059 | 2032 | SCA1PLW6 EQU | SCADSEUQ 2 IPL WORK AREA |
| | | | 2033 | * | |
| 15 | | 005A | 2034 | SCADSLG EQU | SCADSEUQ+1 1 SYSLOG ASSIGNED INDICATOR |
| | | 00E0 | 2035 | SCAMPRT EQU | X'EO' . SYSLOG ASSIGNED TO PRINTER |
| 16 | | 0010 | 2036 | SCAMPRT EQU | X'10' . SYSLOG ASSIGNED TO WORK STATION |
| | | | 2037 | * | |
| 17 | | 005B | 2038 | SCASYS1 EQU | SCADSLG+1 1 SYSTEM CONFIGURATION BYTE 5 |
| | | 0080 | 2039 | SCAHFERR EQU | X'80' . X'80' - ERROR IN HISTORY FILE |
| | | 0040 | 2040 | SCAM1PLC EQU | X'40' . X'40' - IPL-PROCESSING COMPLETE |
| | | 0020 | 2041 | SCADVER EQU | X'20' . X'20' - IPL-OVERRIDE RECEIVED |
| 18 | | 0010 | 2042 | SCAM1PL EQU | X'10' . X'10' - IPL-SIGN ON COMPLETE |
| | | 0008 | 2043 | SCAM1BLD EQU | X'08' . X'08' - IPL-FILE REBUILD |
| | | 0004 | 2044 | SCAMEJCT EQU | X'04' . X'04' - SYSLOG EJECT AT EOJ |
| 19 | | 0002 | 2045 | SCAMCLOK EQU | X'02' . X'02' - CONFIG RECORD LOCK (R31 |
| | | 0001 | 2046 | SCAMPREP EQU | X'01' . X'01' - PREPARE REQUEST ISSUED |
| | | | 2047 | * | |
| 20 | | | | | |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|------|--------|-----------|
| 01 | | | | | |
| 02 | | | | | |
| 03 | | | | | |
| 04 | | | | | |
| 05 | | | | | |
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B22

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|------|--------|--|
| 01 | | | | | |
| 02 | | 563 | | | ***** |
| | | 564 | * | | * |
| 03 | | 565 | * | | * THIS MODULE HAS A WTG TABLE. FOR EACH WTG TABLE ENTRY THE RESIDENT |
| | | 566 | * | | * TABLE IS SEARCHED TO RESOLVE IT. |
| | | 567 | * | | * XR1 IS USED TO SEARCH THE MODULE'S WHERE-TO-GO TABLE |
| | | 568 | * | | * XR2 IS USED TO SEARCH THE RESIDENT TABLE. |
| 04 | | 569 | * | | * |
| | | 570 | | | ***** |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|------|--------|-----------|
| 01 | | | | | |
| 02 | | | | | |
| 03 | | | | | |
| 04 | | | | | |

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|----|------------------------------------|
| 16 | JCBDJBRG C 001 0057 2566 2568 2569 |
| 17 | JCBDJQST C 001 005A 2569 2570 |
| 17 | JCBDLANG C 001 0062 2575 2585 |
| 17 | JCBDLCLa C 001 006F 2600 |
| 18 | JCBDLNPG C 001 0048 2548 2550 |
| 18 | JCBDLP1# C 001 0006 2614 2619 |
| 18 | JCBDMENF C 001 005E 2568 2572 |
| 18 | JCBDMENL C 001 0045 2544 2546 |
| 19 | JCBDMENU C 001 0043 2543 2544 |
| 19 | JCBDNFTF C 001 004E 2554 2556 |
| 20 | JCBDPDAT C 001 000C 2493 2495 |

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|----|------------------------------------|
| 16 | JCBDJBRG C 001 0057 2566 2568 2569 |
| 17 | JCBDJQST C 001 005A 2569 2570 |
| 17 | JCBDLANG C 001 0062 2575 2585 |
| 17 | JCBDLCLa C 001 006F 2600 |
| 18 | JCBDLNPG C 001 0048 2548 2550 |
| 18 | JCBDLP1# C 001 0006 2614 2619 |
| 18 | JCBDMENF C 001 005E 2568 2572 |
| 18 | JCBDMENL C 001 0045 2544 2546 |
| 19 | JCBDMENU C 001 0043 2543 2544 |
| 19 | JCBDNFTF C 001 004E 2554 2556 |
| 20 | JCBDPDAT C 001 000C 2493 2495 |

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|----|--------------------------|
| 16 | JCBMEVPR C 001 0004 2569 |
| 16 | JCBMFLIS C 001 0040 2570 |
| 16 | JCBMFLUC C 001 0010 2570 |
| 17 | JCBMHIPR C 001 0030 2570 |
| 17 | JCBMTCRC C 001 0008 2570 |
| 17 | JCBMINTH C 001 0010 2570 |
| 18 | JCBMINTP C 001 0002 2570 |
| 18 | JCBMINTK C 001 0010 2570 |
| 18 | JCBMIPRC C 001 0008 2570 |
| 19 | JCBMLTST C 001 0020 2570 |
| 19 | JCBMLOPR C 001 0010 2570 |
| 19 | JCBMNDPR C 001 0020 2570 |
| 20 | JCBMNEXT C 001 0010 2570 |

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|----|---|
| 55 | V09/11/81 12/08/81 00:29 |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| 02 | 005C 2048 SCASYS2 EQU SCASYS1+1 1 SYSTEM CONFIGURATION BYTE 6 |
| 02 | 0080 2049 SCAMATBS EQU X'80' . X'80' - COMM TASK BEING ASSIGNED |
| 03 | 0040 2050 SCAMCCHK EQU X'40' . X'40' - MASTER CONSOLE CHECK |
| 03 | 0020 2051 SCAMHLD EQU X'20' . X'20' - HIGH LEVEL DEDICATION |
| 03 | 0010 2052 SCAMIPUP EQU X'10' . X'10' - IPL - STARTUP PROC IR4I |
| 04 | 0008 2053 SCAMDATE EQU X'08' . X'08' - SYSTEM DATE RECEIVED |
| 04 | 0004 2054 SCAMWTC EQU X'04' . X'04' - DDDMMYY DATE WORLD TRADE |
| 04 | 0002 2055 SCAMD0M EQU X'02' . X'02' - DDDMMYY DATE DOMESTIC |
| 05 | 0001 2056 SCAMYD EQU X'01' . X'01' - YYYMMDD DATE SPECIAL |
| 05 | 2057 * 2058 * SYSTEM IPL DATE - IN PACKED FORMAT (YY MM DD) |
| 06 | 005D 2059 SCADYEAR EQU SCASYS2+1 1 SYSTEM YEAR |
| 06 | 005E 2060 SCADMNTH EQU SCADYEAR+1 1 SYSTEM MONTH |
| 06 | 005F 2061 SCADDAY EQU SCADMNTH+1 1 SYSTEM DAY |
| 07 | 005F 2062 SCADDATE EQU SCADDAY 3 SYSTEM DATE (YMD) |
| 07 | 2063 * 0060 2064 SCADCTUT EQU SCADDATE+1 1 COUNT OF USER TASKS IN SYSTEM |
| 08 | 2065 * 0066 2066 SCARDVOL EQU SCADCTUT+6 6 DISKETTE VOLUME LABEL |
| 08 | 2067 * 0067 2068 SCARDFMT EQU SCARDVOL+1 1 DISKETTE PHYSICAL FORMAT |
| 09 | 0080 2069 SCAMIPLA EQU X'80' . X'80' - IPL AUTOLOADER FLAG IR3I |
| 09 | 2070 * 0 - IPL DISKETTE, AUTO-YES 1 - IPL DISKETTE, AUTO-NO |
| 10 | 0040 2072 SCAM2MFM EQU X'40' . X'40' - 2 SIDED - MFM RECORDING |
| 10 | 0020 2073 SCAM2FM EQU X'20' . X'20' - 2 SIDED - FM RECORDING |
| 11 | 0010 2074 SCAM1FM EQU X'10' . X'10' - 1 SIDED - FM RECORDING |
| 11 | 0008 2075 SCAM1024 EQU X'08' . X'08' - RECORD SIZE = 1024 |
| 11 | 0004 2076 SCAM512 EQU X'04' . X'04' - RECORD SIZE = 512 |
| 12 | 0002 2077 SCAM256 EQU X'02' . X'02' - RECORD SIZE = 256 |
| 12 | 0001 2078 SCAM128 EQU X'01' . X'01' - RECORD SIZE = 128 |
| 12 | 2079 * 0068 2080 SCADKLR EQU SCARDFMT+4 4 DISKETTE VOLUME LRC CHARACTERS |
| 13 | 2081 * 0060 2082 SCATPLWK EQU SCADCTUT . IPL WORK AREA (START) |
| 14 | 0068 2083 SCATPLW EQU SCADKLR . IPL WORK AREA (END) |
| 14 | 2084 * 006D 2085 SCADMTUB EQU SCADKLR+2 2 MASTER CONSOLE TUB ADDRESS |
| 15 | 006F 2086 SCADPTUB EQU SCADMTUB+2 2 SYSTEM PRINTER TUB ADDRESS |
| 15 | 2087 * 2088 * COMMAND PROCESSOR DISPLACEMENTS AND BIT MASKS |
| 16 | 2089 * 0070 2090 SCADCP51 EQU SCADPTUB+1 1 SWITCH BYTE ONE |
| 16 | 0080 2091 SCAMCPL EQU X'80' . STOP COMPLETE MESSAGE SENT |
| 17 | 0040 2092 SCAMALL EQU X'40' . NO JOBS CAN BE INITIATED |
| 17 | 0020 2093 SCAMSJE EQU X'20' . SPOOL WRITER/JOBQ EQJ REQUIRED |
| 17 | 0010 2094 SCAMUSE EQU X'10' . WSDM SEND EQJ COMPLETION CODE |
| 18 | 0008 2095 SCAMSST EQU X'08' . SPOOL WRITER HAS BEEN STARTED |
| 18 | 0004 2096 SCAMJQS EQU X'04' . JOBQ HAS BEEN STARTED |
| 18 | 0002 2097 SCAMSEC EQU X'02' . SECURITY IS ACTIVE |
| 19 | 0001 2098 SCAMERP EQU X'01' . CALL I/O ERP TRANSIENT |
| 19 | 2099 * 0071 2100 SCADCP52 EQU SCADCP51+1 SWITCH BYTE TWO |
| 20 | 0080 2101 SCAMKEYS EQU X'80' . KEY SORT ALL FILES AT SHUT DOWN |

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|----|---|
| 55 | V09/11/81 12/08/81 00:29 |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| 02 | 005C 2048 SCASYS2 EQU SCASYS1+1 1 SYSTEM CONFIGURATION BYTE 6 |
| 02 | 0080 2049 SCAMATBS EQU X'80' . X'80' - COMM TASK BEING ASSIGNED |
| 03 | 0040 2050 SCAMCCHK EQU X'40' . X'40' - MASTER CONSOLE CHECK |
| 03 | 0020 2051 SCAMHLD EQU X'20' . X'20' - HIGH LEVEL DEDICATION |
| 03 | 0010 2052 SCAMIPUP EQU X'10' . X'10' - IPL - STARTUP PROC IR4I |
| 04 | 0008 2053 SCAMDATE EQU X'08' . X'08' - SYSTEM DATE RECEIVED |
| 04 | 0004 2054 SCAMWTC EQU X'04' . X'04' - DDDMMYY DATE WORLD TRADE |
| 04 | 0002 2055 SCAMD0M EQU X'02' . X'02' - DDDMMYY DATE DOMESTIC |
| 05 | 0001 2056 SCAMYD EQU X'01' . X'01' - YYYMMDD DATE SPECIAL |
| 05 | 2057 * 2058 * SYSTEM IPL DATE - IN PACKED FORMAT (YY MM DD) |
| 06 | 005D 2059 SCADYEAR EQU SCASYS2+1 1 SYSTEM YEAR |
| 06 | 005E 2060 SCADMNTH EQU SCADYEAR+1 1 SYSTEM MONTH |
| 06 | 005F 2061 SCADDAY EQU SCADMNTH+1 1 SYSTEM DAY |
| 07 | 005F 2062 SCADDATE EQU SCADDAY 3 SYSTEM DATE (YMD) |
| 07 | 2063 * 0060 2064 SCADCTUT EQU SCADDATE+1 1 COUNT OF USER TASKS IN SYSTEM |
| 08 | 2065 * 0066 2066 SCARDVOL EQU SCADCTUT+6 6 DISKETTE VOLUME LABEL |
| 08 | 2067 * 0067 2068 SCARDFMT EQU SCARDVOL+1 1 DISKETTE PHYSICAL FORMAT |
| 09 | 0080 2069 SCAMIPLA EQU X'80' . X'80' - IPL AUTOLOADER FLAG IR3I |
| 09 | 2070 * 0 - IPL DISKETTE, AUTO-YES 1 - IPL DISKETTE, AUTO-NO |
| 10 | 0040 2072 SCAM2MFM EQU X'40' . X'40' - 2 SIDED - MFM RECORDING |
| 10 | 0020 2073 SCAM2FM EQU X'20' . X'20' - 2 SIDED - FM RECORDING |
| 11 | 0010 2074 SCAM1FM EQU X'10' . X'10' - 1 SIDED - FM RECORDING |
| 11 | 0008 2075 SCAM1024 EQU X'08' . X'08' - RECORD SIZE = 1024 |
| 11 | 0004 2076 SCAM512 EQU X'04' . X'04' - RECORD SIZE = 512 |
| 12 | 0002 2077 SCAM256 EQU X'02' . X'02' - RECORD SIZE = 256 |
| 12 | 0001 2078 SCAM128 EQU X'01' . X'01' - RECORD SIZE = 128 |
| 12 | 2079 * 0068 2080 SCADKLR EQU SCARDFMT+4 4 DISKETTE VOLUME LRC CHARACTERS |
| 13 | 2081 * 0060 2082 SCATPLWK EQU SCADCTUT . IPL WORK AREA (START) |
| 14 | 0068 2083 SCATPLW EQU SCADKLR . IPL WORK AREA (END) |
| 14 | 2084 * 006D 2085 SCADMTUB EQU SCADKLR+2 2 MASTER CONSOLE TUB ADDRESS |
| 15 | 006F 2086 SCADPTUB EQU SCADMTUB+2 2 SYSTEM PRINTER TUB ADDRESS |
| 15 | 2087 * 2088 * COMMAND PROCESSOR DISPLACEMENTS AND BIT MASKS |
| 16 | 2089 * 0070 2090 SCADCP51 EQU SCADPTUB+1 1 SWITCH BYTE ONE |
| 16 | 0080 2091 SCAMCPL EQU X'80' . STOP COMPLETE MESSAGE SENT |
| 17 | 0040 2092 SCAMALL EQU X'40' . NO JOBS CAN BE INITIATED |
| 17 | 0020 2093 SCAMSJE EQU X'20' . SPOOL WRITER/JOBQ EQJ REQUIRED |
| 17 | 0010 2094 SCAMUSE EQU X'10' . WSDM SEND EQJ COMPLETION CODE |
| 18 | 0008 2095 SCAMSST EQU X'08' . SPOOL WRITER HAS BEEN STARTED |
| 18 | 0004 2096 SCAMJQS EQU X'04' . JOBQ HAS BEEN STARTED |
| 18 | 0002 2097 SCAMSEC EQU X'02' . SECURITY IS ACTIVE |
| 19 | 0001 2098 SCAMERP EQU X'01' . CALL I/O ERP TRANSIENT |
| 19 | 2099 * 0071 2100 SCADCP52 EQU SCADCP51+1 SWITCH BYTE TWO |
| 20 | 0080 2101 SCAMKEYS EQU X'80' . KEY SORT ALL FILES AT SHUT DOWN |

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| 19 | V09/11/81 12/08/81 00:29 |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| 02 | ***** 05450000 |
| 02 | * 05460000 |
| 03 | IDENT * 05470000 |
| 03 | * 05480000 |
| 03 | * 05490000 |
| 04 | * 05500000 |
| 04 | * 05510000 |
| 04 | ***** 05520000 |

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| 19 | V09/11/81 12/08/81 00:29 |
| 01 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| 02 | 598 ***** |
| 02 | 599 * ***** |
| 03 | 600 * CHECK IF MODULE HAS A FORMAT INDEX TABLE. * |
| 03 | 601 * IF PRESENT, THE MODULE FORMAT INDEX TABLE IS FILLED IN FROM THE * |
| 03 | 602 * IN-CORE FORMAT INDEX BUILT FROM #MCP#, #MPCF#, #MBCPF, #MBCCF ar220 * |
| 04 | 603 * XR1 IS USED TO SEARCH THE MODULE'S FORMAT INDEX TABLE. * |
| 04 | 604 * XR2 IS USED TO ACCESS THE IN-CORE FORMAT INDEX. * |
| 04 | 605 * * |

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| 01 | ERR LOC OBJECT CODE |
| 02 | 05800000 |
| 02 | 05810000 |
| 03 | 05820000 |
| 03 | 05830000 |
| 03 | 05840000 |
| 04 | 05850000 |
| 04 | 05860000 |
| 04 | 05870000 |
| 04 | 039C F6 00 08 |
| 04 | 039E 38 10 00FB |

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|----|--------------------------|
| 15 | JCBMEVPR C 001 0004 2591 |
| 16 | JCBMEXTD C 001 0001 2522 |
| 16 | JCBMFLIS C 001 0040 2587 |
| 16 | JCBMFLUC C 001 0010 2444 |
| 17 | JCBMHIPR C 001 0030 2430 |
| 17 | JCBMICRC C 001 0008 2456 |
| 17 | JCBMINT C 001 0010 2421 |
| 18 | JCBMINQP C 001 0002 2458 |
| 18 | JCBMINTK C 001 0010 2589 |
| 18 | JCBMIPRC C 001 0008 2434 |
| 19 | JCBMLIST C 001 0020 2578 |
| 19 | JCBMLOPR C 001 0010 2432 |
| 19 | JCBMDPR C 001 0020 2431 |
| 20 | JCBMNEXT C 001 0010 2579 |

| | |
|----|---------------------------|
| 15 | JCBMUPS3 C 001 0020 2484 |
| 16 | JCBMUPS4 C 001 0010 2485 |
| 16 | JCBMUPS5 C 001 0008 2486 |
| 16 | JCBMUPS6 C 001 0004 2487 |
| 16 | JCBMUPS7 C 001 0002 2488 |
| 17 | JCBMUPS8 C 001 0001 2489 |
| 17 | JCBMUSLB C 001 0004 2435 |
| 17 | JCBMWDKT C 001 0020 2517 |
| 18 | JCBMWDK C 001 0010 2518 |
| 18 | JCBMWDNT C 001 0008 2519 |
| 18 | JCBMWDLN C 001 0040 2516 |
| 19 | JCBMWDPK C 001 0004 2520 |
| 19 | JCBMWDPT C 001 0080 2515 |
| 19 | JCBMWDTC C 001 0004 2446 |
| 20 | JCBMWDREF C 001 0040 2442 |

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|-------------------------|------------------------------------|
| 09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE |
| 02 | 0040 2102 SCAMCOUT EQU X'40' |
| 03 | 0008 2105 SCAMISBL EQU X'08' |
| 04 | 0004 2106 SCAMDELE EQU X'04' |
| 05 | 0073 2110 SCADMG01 EQU SCADGPS2+2 |
| 06 | 0078 2113 SCADABCT EQU SCADSEC@+1 |
| 07 | 0080 2116 SCAMXTRA EQU X'80' |
| 08 | 2119 * EQU X'10' |
| 09 | 2122 * EQU X'02' |
| 10 | 0079 2125 SCADMCFG EQU SCADXTRA+1 |
| 11 | 2128 * EQU X'20' |
| 12 | 2132 * EQU X'02' |
| 13 | 007A 2135 SCADMZK EQU SCADMCFG+1 |
| 14 | 007B 2137 SCADMCTR EQU SCADMZK+1 |
| 15 | 007F 2140 SCADRSCZ EQU SCADMID#+1 |
| 16 | 0084 2144 SCACSATB EQU SCADCPUB+2 |
| 17 | 008A 2147 SCADSL0T EQU SCADXSLOT+5 |
| 18 | 008B 2149 SCADMONT EQU SCADSL0T+1 |
| 19 | 0080 2152 SCAM1255 EQU X'80' |
| 20 | 0010 2155 SCAMACDV EQU X'10' |

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|--------------------------------|------------------------------------|--------------------------------------|------|
| MAXRF CROSS-REFERENCE RESOLVER | | PAGE 57 V09/11/81 12/08/81 00:29 | |
| ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | | |
| 02 | 0040 2102 SCAMCOUT EQU X'40' | . CONSOLE READY TO OUTPUT MESSAGE | |
| | 0020 2103 SCAMHELP EQU X'20' | . HELP FEATURE ACTIVE | IR31 |
| 03 | 0010 2104 SCAMCPAF EQU X'10' | . C. P. USQS ASSIGN FAILURE | IR31 |
| | 0008 2105 SCAMISBL EQU X'08' | . REBUILD - EXECUTE REBUILD | |
| | 0004 2106 SCAMDELE EQU X'04' | . REBUILD - DELETE FILES IN ERROR | |
| | 0002 2107 SCAMTOLD EQU X'02' | . REBUILD - EXAMINE OLD FILES ALSO | |
| | 0001 2108 SCAMTELL EQU X'01' | . REBUILD - DISPLAY LABELS IN ERROR | |
| | 2109 * | | |
| 05 | 0073 2110 SCADMG01 EQU SCADGPS2+2 | 2 MESSAGE ORDER INDEX ADDRESS | |
| | 0076 2111 SCADSEC@ EQU SCADMG01+3 | 3 SSS OF SECURITY FILE | |
| | 2112 * | | |
| 06 | 0077 2113 SCADABCT EQU SCADSEC@+1 | 1 AUTO-BUFFER DISABLE COUNT | IR31 |
| | 2114 * | | |
| 07 | 0078 2115 SCADXTRA EQU SCADABCT+1 | 1 EXTENDED TRACE INDICATORS | IR41 |
| | 0080 2116 SCAMXTRA EQU X'80' | . EXTENDED TRACE ACTIVE | |
| | 0040 2117 SCAMLOTX EQU X'40' | . EXTENDED TRACE LINE 0 (INTRA) | |
| | 0020 2118 SCAMLOTR EQU X'20' | . LOG TRACE LINE 0 (INTRA) | |
| 08 | 2119 * EQU X'10' | . RESERVED | |
| | 2120 * EQU X'08' | . RESERVED | |
| | 2121 * EQU X'04' | . RESERVED | |
| | 2122 * EQU X'02' | . RESERVED | |
| 09 | 2123 * EQU X'01' | . RESERVED | |
| | 2124 * | | |
| 10 | 0079 2125 SCADMCFG EQU SCADXTRA+1 | 1 DATA MANAGEMENT OPTIONS | IR41 |
| | 0080 2126 SCAMREC EQU X'80' | . DELETED RECORD CAPABILITY | IR41 |
| | 0040 2127 SCASPARK EQU X'40' | . SEQ. PROC. ADDED REC. BY KEY | IR61 |
| | 2128 * EQU X'20' | . RESERVED | |
| | 2129 * EQU X'10' | . RESERVED | |
| | 2130 * EQU X'08' | . RESERVED | |
| | 2131 * EQU X'04' | . RESERVED | |
| | 2132 * EQU X'02' | . RESERVED | |
| | 2133 * EQU X'01' | . RESERVED | |
| | 2134 * | | |
| 13 | 007A 2135 SCADMZK EQU SCADMCFG+1 | 1 NUMBER NUCLEUS ZK BLOCKS | IR41 |
| | 2136 * | | |
| 14 | 007B 2137 SCADMCTR EQU SCADMZK+1 | 1 COUNTER OF MRT JOBS ACTIVE | |
| | 007D 2138 SCADSCIM EQU SCADMCTR+2 | 2 ADDRESS SYS CONSOLE IMAGE MATRIX | |
| | 007E 2139 SCADMID# EQU SCADSCIM+1 | 1 MESSAGE ID # FOR SYS CON REPLY | |
| | 007F 2140 SCADRSCZ EQU SCADMID#+1 | 1 SIZE OF RESOURCE SECURITY FILE | |
| 15 | 0080 2141 SCADRSCZ EQU SCADRSCZ+1 | 1 SIZE OF SECURITY FILE | |
| | 0082 2142 SCADCPUB EQU SCADRSCZ+2 | 2 COMMAND PROCESSOR WORKAREA ADDRESS | |
| | 2143 * | | |
| 16 | 0084 2144 SCACSATB EQU SCADCPUB+2 | 2 CONTROL STORE ALLOCATE TABLE | |
| | 2145 * | | |
| 17 | 0085 2146 SCADXSLOT EQU SCACSATB+1 | 1 12 SLOT NUMBER (HEX) | IR31 |
| | 008A 2147 SCADSL0T EQU SCADXSLOT+5 | 5 12 SLOT NUMBER DECIMAL | IR31 |
| | 2148 * | | |
| 18 | 008B 2149 SCADMONT EQU SCADSL0T+1 | 1 MESSAGE Q COUNT | |
| | 2150 * | | |
| | 008C 2151 SCADCSPI EQU SCADMONT+1 | 1 CSP -----> MSP INTERFACE BYTE | |
| 19 | 0080 2152 SCAM1255 EQU X'80' | . MICR ATTACHMENT ON SYSTEM | IR21 |
| | 0040 2153 SCAMRNRR EQU X'40' | . 12 DISKETTE ATTACHMENT | IR31 |
| | 2154 * EQU X'20' | . RESERVED FOR ADDR COMPARE DUMP | |
| 20 | 0010 2155 SCAMACDV EQU X'10' | . ERROR ON DUMP - PARTIAL DUMP TAKEN | |

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| MAXRF CROSS-REFERENCE RESOLVER | | PAGE 57 V09/11/81 12/08/81 00:29 | |
| ERR LOC OBJECT CODE | ADDR | | |
| 02 | 0008 | | |
| | 0004 | | |
| 03 | 0002 | | |
| | 0001 | | |
| 04 | 0080 | | |
| | 0080 | | |
| | 0040 | | |
| 05 | 0020 | | |
| | 0010 | | |
| | 0008 | | |
| 06 | 0002 | | |
| 07 | 008E | | |
| | 0080 | | |
| | 0040 | | |
| 08 | 0020 | | |
| 09 | 0002 | | |
| 10 | 0090 | | |
| 11 | 0091 | | |
| 12 | 0002 | | |
| 13 | 0002 | | |
| 14 | 0002 | | |
| 15 | 0080 | | |
| | 0040 | | |
| 16 | 0020 | | |
| | 0010 | | |
| 17 | 0008 | | |
| | 0004 | | |
| | 0002 | | |
| 18 | 0001 | | |
| | 0088 | | |
| 19 | 0044 | | |
| | 0022 | | |
| | 0011 | | |

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| 09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE |
| 02 | 05800000 |
| 03 | 05820000 |
| 04 | 05860000 |

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| MAXRF CROSS-REFERENCE RESOLVER | | PAGE 21 V09/11/81 12/08/81 00:29 | |
| ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | | |
| 02 | 633 ***** | | 06150000 |
| | 634 * * | | 06160000 |
| 03 | 635 * INVALID WTG TABLE OR FORMAT INDEX TABLE -- NO DELIMITER OF FFFF | * | 06170000 |
| | 636 * * | * | 06180000 |
| | 637 ***** | | 06190000 |
| 04 | 039C F6 00 08 | 639 XRF00165 LPMR PRV+IARX | 06210000 |
| | 039E 38 10 00FB | 640 TRM CRACHG1 SCAM1255 | |

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| MAXRF CROSS-REFERENCE RESOLVER | | PAGE 21 V09/11/81 12/08/81 00:29 | |
| ERR LOC OBJECT CODE | ADDR | | |
| 02 | 06150000 | | |
| | 06160000 | | |
| 03 | 06170000 | | |
| | 06180000 | | |
| | 06190000 | | |
| 04 | 06210000 | | |

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| 15 | JCBMUPS3 C 001 0020 2484 |
| | JCBMUPS4 C 001 0010 2485 |
| | JCBMUPS5 C 001 0008 2486 |
| 16 | JCBMUPS6 C 001 0004 2487 |
| | JCBMUPS7 C 001 0002 2488 |
| | JCBMUPS8 C 001 0001 2489 |
| 17 | JCBMUSLB C 001 0004 2435 |
| | JCBMMDKT C 001 0020 2517 |
| | JCBMWDSK C 001 0010 2518 |
| 18 | JCBMWINT C 001 0008 2519 |
| | JCBMMLIN C 001 0040 2516 |
| | JCBMMPXK C 001 0004 2520 |
| 19 | JCBMMPNT C 001 0080 2515 |
| | JCBMJTCD C 001 0004 2446 |
| | JCBMXREF C 001 0040 2442 0267 |
| 20 | |

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| 15 | LCSSCPS2 C 001 0024 1270 |
| | LCSSDDR C 001 0009 1256 |
| | LCSSOLB C 001 0003 1254 |
| 16 | LCSSOMB C 001 0017 1264 |
| | LCSSYSGN C 001 0008 1252 |
| | LCSUCHS C 001 0000 1249 |
| 17 | LDFCHREQ C 001 0040 2808 |
| | LDINPROG C 001 0080 2807 |
| | LOGTFULL C 001 00FF 2896 |
| 18 | MLCA32K C 001 0001 2719 |
| | MPIOBERR C 001 0008 2714 |
| | NINE C 001 0009 1386 |
| 19 | NOBIT C 001 0000 1393 |
| | NOOP C 001 0080 1392 |
| | NPRV C 001 0001 1410 |
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| V09/11/81 12/08/81 00:29 |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|-----------|-------------------------|---|
| 02 | | 0008 2156 | SCAMACMG EQU X'08' | . DISPLAY ADDR COMPARE DUMP MESSAGE |
| | | 0004 2157 | SCAMACDP EQU X'04' | . ADDRESS COMPARE DUMP WAS TAKEN |
| 03 | | 0002 2158 | SCAMACSP EQU X'02' | . TASK SUSPENDED BY ADDR COMP DUMP |
| | | 0001 2159 | SCAMTACT EQU X'01' | . TRACE TO DISK ACTIVE |
| | | 2160 * | | |
| 04 | | 0080 2161 | SCADCSP2 EQU SCADCSP1+1 | 1 MSP -----> CSP INTERFACE BYTE |
| | | 0080 2162 | SCAMLGER EQU X'80' | . S/32 MODE LOG PRINTER ERROR |
| | | 0040 2163 | SCAMPOVK EQU X'40' | . PRINTER TRANSLATE FEATURE IR4I |
| | | 0020 2164 | SCAMFORK EQU X'20' | . FORTRAN EXECUTION SUPPORT IR4I |
| 05 | | 0010 2165 | SCAMFAIL EQU X'10' | . LAST 2K OF NUCLEUS ASSIGNED IR8I |
| | | 0008 2166 | SCAMICR1 EQU X'08' | . MICR SUBRO8 SSP SUPPORT IR4I |
| | | 2167 * | EQU X'04' | . RESERVED |
| 06 | | 0002 2168 | SCAMICR2 EQU X'02' | . MICR SUBR25 SSP SUPPORT IR4I |
| | | 2169 * | EQU X'01' | . RESERVED |
| | | 2170 * | | |
| 07 | | 008E 2171 | SCADCSP3 EQU SCADCSP2+1 | 1 CSP <-----> MSP INTERFACE BYTE |
| | | 0080 2172 | SCAMMLCA EQU X'80' | . MLCA CONTROLLER ATTACHED IR6I |
| | | 0040 2173 | SCAMUSCB EQU X'4C' | . USC 'B' CONTROLLER ATTACHED IR6I |
| 08 | | 0020 2174 | SCAMCFER EQU X'20' | . CONFIG RECORD TUB COUNT ERROR IR7I |
| | | 2175 * | EQU X'10' | . RESERVED |
| | | 2176 * | EQU X'08' | . RESERVED |
| | | 2177 * | EQU X'04' | . RESERVED |
| 09 | | 0002 2178 | SCADTLOK EQU X'02' | . TERMINAL UNIT BLOCK CHAIN LOCKED |
| | | 2179 * | EQU X'01' | . RESERVED |
| | | 2180 * | | |
| 10 | | 0090 2181 | SCADSNAT EQU SCADCSP3+2 | 2 TCB ADDRESS OF SNA TASK |
| | | 2182 * | | |
| 11 | | 0091 2183 | SCADLIN# EQU SCADSNAT+1 | 1 COMMUNICATIONS CONFIGURATION |
| | | 2184 * | | |
| 12 | | 2185 * | NOTE: | THIS BYTE DESCRIBES HOW THE COMMUNICATION HARDWARE IS |
| | | 2186 * | DEFINED. | BITS 0-3 DESCRIBE COMMUNICATION LINES. BITS 4-7 |
| | | 2187 * | DESCRIBE | AUTOCALL LINES. BITS 0-7 DESCRIBE X.21 LINES. |
| | | 2188 * | FOR | EXAMPLE: |
| 13 | | 2189 * | AUTOCALL | ON LINE 3 AND COMMUNICATIONS ON LINES |
| | | 2190 * | 1, 2, | AND 4 WOULD BE X'D2'. |
| | | 2191 * | X.21 | ON LINE 1 AND COMMUNICATIONS ON LINE 2 |
| 14 | | 2192 * | WOULD | BE X'C8'. |
| | | 2193 * | AUTOCALL | AND X.21 ARE MUTUALLY EXCLUSIVE. |
| | | 2194 * | | |
| 15 | | 0080 2195 | SCAMLIN1 EQU X'80' | . COMMUNICATIONS ON LINE 1 |
| | | 0040 2196 | SCAMLIN2 EQU X'40' | . COMMUNICATIONS ON LINE 2 IR3I |
| 16 | | 0020 2197 | SCAMLIN3 EQU X'20' | . COMMUNICATIONS ON LINE 3 IR6I |
| | | 0010 2198 | SCAMLIN4 EQU X'10' | . COMMUNICATIONS ON LINE 4 IR6I |
| | | 2199 * | | |
| 17 | | 0008 2200 | SCAMACU1 EQU X'08' | . AUTO CALL ON LINE 1 IR6I |
| | | 0004 2201 | SCAMACU2 EQU X'04' | . AUTO CALL ON LINE 2 IR6I |
| | | 0002 2202 | SCAMACU3 EQU X'02' | . AUTO CALL ON LINE 3 IR6I |
| 18 | | 0001 2203 | SCAMACU4 EQU X'01' | . AUTO CALL ON LINE 4 IR6I |
| | | 2204 * | | |
| | | 0088 2205 | SCAMX211 EQU X'88' | . X.21 ON LINE 1 IR8I |
| | | 0044 2206 | SCAMX212 EQU X'44' | . X.21 ON LINE 2 IR8I |
| 19 | | 0022 2207 | SCAMX213 EQU X'22' | . X.21 ON LINE 3 IR8I |
| | | 0011 2208 | SCAMX214 EQU X'11' | . X.21 ON LINE 4 IR8I |
| | | 2209 * | | |

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| V09/11/81 12/08/81 00:29 |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|-------|--|------------------|
| 02 | | 662 | ***** | ***** |
| | | 663 * | | |
| 03 | | 664 * | WHEN ALL TABLE ENTRIES HAVE BEEN UPDATED, THE LAST FOUR TEXT | * |
| | | 665 * | SECTORS OF THE MODULE ARE WRITTEN BACK ONTO DISK IN THE ORIGINAL | * |
| | | 666 * | LOCATION. R1-> IOB, R2 IS UNUSED. | * |
| | | 667 * | | * |
| 04 | | 668 | ***** | ***** |

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| 15 | LCSSCPSS C 001 0024 1270 1271 |
| | LCSSODR C 001 0009 1256 1258 |
| | LCSSOLB C 001 0003 1254 1255 |
| 16 | LCSSOMB C 001 0017 1264 1265 |
| | LCSSYSGN C 001 0008 1252 0245 |
| | LCSWCHS C 001 0000 1249 1254 |
| 17 | LDFCHREQ C 001 0040 2808 |
| | LDINPROG C 001 0080 2807 |
| | LOGTFULL C 001 00FF 2896 |
| 18 | MLCA32K C 001 0001 2719 |
| | MP10BERR C 001 0008 2714 |
| | NINE C 001 0009 1386 |
| 19 | NOBIT C 001 0000 1393 |
| | NOOP C 001 0080 1392 0693 |
| | NPRV C 001 0001 1410 |
| 20 | |

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| 15 | REQJ C 001 0004 1762 |
| | REXTND C 001 002E 1804 |
| | REXTNP C 001 003B 1817 |
| 16 | REXTRA C 001 0037 1813 |
| | RFIND C 001 0001 1759 |
| | RFINDLIB C 001 0019 1783 |
| 17 | RGLFAC C 001 003A 1816 |
| | RGLFR C 001 0039 1815 |
| | RICDA C 001 0032 1808 |
| 18 | RICDB C 001 0033 1809 |
| | RICDC C 001 0034 1810 |
| | RICDD C 001 003D 1819 |
| 19 | RINFO C 001 000F 1773 |
| | RIOERR C 001 002D 1803 |
| | RI LBRY C 001 000A 1768 |
| 20 | |

C26

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|----|----|------|------|--------------|------------|---|------------------------------------|
| 01 | 01 | 0095 | 2210 | SCADREQJ EQU | SCADLIN#+4 | 4 | END-OF-JOB SVC |
| | 02 | 0095 | 2211 | SCATPLW5 EQU | SCADREQJ | 2 | IPL WORK AREA |
| | 03 | 0092 | 2212 | SCADREJ# EQU | SCADREQJ-3 | . | START OF END-OF-JOB SVC |
| | | 2213 | * | | | | |
| | 04 | 0093 | 2214 | SCADCON1 EQU | SCADREJ#+1 | . | CONSTANT X'01' |
| | | 2215 | * | | | | |
| | 05 | 0097 | 2216 | SCADTBUF EQU | SCADREQJ+2 | 2 | COMMUNICATIONS BUFFER SIZE |
| | | 2217 | * | | | | |
| | 06 | 0098 | 2218 | SCADUSQS EQU | SCADTBUF+1 | 1 | WORK STATION QUEUE SPACE (1/4K) |
| | | 2219 | * | | | | |
| | 07 | 0099 | 2220 | SCADSQS EQU | SCADUSQS+1 | 1 | SYSTEM QUEUE SPACE (1/4K) |
| | | 2221 | * | | | | |
| | 08 | 009A | 2222 | SCADTRSZ EQU | SCADSQS+1 | 1 | TRACE BUFFER SPACE (1/4K) |
| | | 2223 | * | | | | |
| | 09 | 009B | 2224 | SCADSNA1 EQU | SCADTRSZ+1 | 1 | SNA BATCH TASK USE COUNT (R3) |
| | | 009C | 2225 | SCADSNA7 EQU | SCADSNA1+1 | 1 | SNA REMOTE TASK USE COUNT (R3) |
| | | 009D | 2226 | SCADSOLS EQU | SCADSNA7+1 | 1 | SDLC SECONDARY TASK USE COUNT (R3) |
| | | 009E | 2227 | SCADSOLP EQU | SCADSOLS+1 | 1 | SDLC PRIMARY TASK USE COUNT (R3) |
| | | 2228 | * | | | | |
| | 10 | 009F | 2229 | SCADCFG7 EQU | SCADSOLP+1 | 1 | HISTORY FILE CONFIGURATION (R3) |
| | | 0080 | 2230 | SCAMWRP EQU | X'80' | . | HISTORY-AUTOMATIC WRAP INDICATOR |
| | | 2231 | * | | | | 1 - AUTO WRAP HISTORY FILE |
| | | 2232 | * | | | | 0 - NO HISTORY AUTO WRAP |
| | 11 | 0040 | 2233 | SCAMDEL EQU | X'40' | . | HISTORY-OVERFLOW FILE DELETE |
| | | 2234 | * | | | | 1 - DELETE OVERFLOW FILE |
| | | 2235 | * | | | | 0 - DONT DELETE OVERFLOW FILE |
| | 12 | 0020 | 2236 | SCAMHFM EQU | X'20' | . | HISTORY-REFORMAT OVERFLOW FILE |
| | | 2237 | * | | | | 1 - REFORMAT OVERFLOW FILE @ IPL |
| | | 2238 | * | | | | 0 - DONT REFORMAT OVEFLOW FILE |
| | 13 | 0020 | 2239 | SCAMHLC EQU | X'20' | . | HISTORY-ALLOCATE OVERFLOW FILE |
| | | 2240 | * | | | | AFTER IPL |
| | 14 | 0010 | 2241 | SCAMFLOC EQU | X'10' | . | HISTORY-OVERFLOW FILE PREFERRED |
| | | 2242 | * | | | | LOCATION |
| | | 2243 | * | | | | 1 - SPINDLE A1 |
| | | 2244 | * | | | | 0 - SPINDLE A2 |
| | 15 | 000F | 2245 | SCAMHVSZ EQU | X'0F' | . | HISTORY-OVERFLOW FILE SIZE (BITS |
| | | 2246 | * | | | | 4-7 (X'0F') IN MULTIPLES OF THE |
| | | 2247 | * | | | | HISTORY FILE (1-8). |
| | | 2248 | * | | | | |
| | 16 | 00A2 | 2249 | SCADRSEC EQU | SCADCFG7+3 | 3 | RESERVED FOR SECURITY USE |
| | | 2250 | * | | | | |
| | 17 | 00A4 | 2251 | SCADHFK EQU | SCADRSEC+2 | 2 | SECTOR OFFSET OF VTDC ENTRY: (R3) |
| | | 2252 | * | | | | HISTORY OVERFLOW FILE, #HISTOVF |
| | | 2253 | * | | | | |
| | 18 | 00A6 | 2254 | SCADMRK# EQU | SCADHFK+2 | 2 | ADDRESS COMPARE WORKAREA ADDR (R3) |
| | | 2255 | * | | | | |
| | 19 | 00A7 | 2256 | SCADCFG8 EQU | SCADMRK#+1 | 1 | SSP CONFIGURATION (R3) |
| | | 2257 | * | EQU | X'80' | . | RESERVED |
| | | 0040 | 2258 | SCAMRWP EQU | X'40' | . | USE WORK STATION PRINTER (R6) |
| | | 2259 | * | EQU | X'20' | . | RESERVED |
| | | 2260 | * | EQU | X'10' | . | RESERVED |
| | | 2261 | * | EQU | X'08' | . | RESERVED (R8) |
| | | 2262 | * | EQU | X'04' | . | RESERVED |
| | | 2263 | * | EQU | X'02' | . | RESERVED (R8) |

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| **MAXRF CROSS-REFERENCE RESOLVER | | PAGE 59 V09/11/81 12/08/81 00:29 | |
| ERR LOC | OBJECT CODE | ADDR | STMT SOURCE STATEMENT |
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| **MAXRF CROSS-REFERENCE RESOLVER | | PAGE 59 V09/11/81 12/08/81 00:29 | |
| ERR LOC | OBJECT CODE | ADDR | STMT SOURCE STATEMENT |
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| 01 | 01 | 06360000 | 677 ***** | 06510000 |
| | | 06370000 | 678 * | 06520000 |
| | | 06380000 | 679 * CALL \$MAXNT TO UPDATE TRANSFER TABLE, THEN RETURN TO CALLER OR EQJ. * | 06530000 |
| | | 06390000 | 680 * | 06540000 |
| | | 06400000 | 681 ***** | 06550000 |
| | | 06410000 | | |
| | | 06420000 | | |
| 04 | 04 | 030D | 683 XRFQJ EQU * | 06570000 |

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| **MAXRF CROSS-REFERENCE RESOLVER | | PAGE 23 V09/11/81 12/08/81 00:29 | |
| ERR LOC | OBJECT CODE | ADDR | STMT SOURCE STATEMENT |
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| 01 | 01 | 0402 | 34 08 040C |
| | | 0406 | E4 01 40 |

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| 15 | REXND | C | 001 | 0004 | 1762 |
| | REXNP | C | 001 | 003B | 1817 |
| 16 | REXTRA | C | 001 | 0037 | 1813 |
| | RFIND | C | 001 | 0001 | 1759 |
| | RFINDLIB | C | 001 | 0019 | 1783 |
| 17 | RGLFAC | C | 001 | 003A | 1816 |
| | RGLFR | C | 001 | 0039 | 1815 |
| | RICDA | C | 001 | 0032 | 1808 |
| 18 | RICDB | C | 001 | 0033 | 1809 |
| | RICDC | C | 001 | 0034 | 1810 |
| | RICDD | C | 001 | 003D | 1819 |
| 19 | RINFO | C | 001 | 000F | 1773 |
| | RIOERR | C | 001 | 002D | 1803 |
| | RLTBRY | C | 001 | 000A | 1768 |
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| 15 | RWDDQ | C | 001 | 0001 | 0000 |
| | RWDDT | C | 001 | 0001 | 0000 |
| | RWDDU | C | 001 | 0001 | 0000 |
| 16 | RWDHH | C | 001 | 0001 | 0000 |
| | RWEGE | C | 001 | 0001 | 0000 |
| | RWSDM | C | 001 | 0001 | 0000 |
| 17 | RXTEND | C | 001 | 0001 | 0000 |
| | SAVXR1 | A | 002 | 0400 | 0400 |
| | SAVXR2 | A | 002 | 0400 | 0400 |
| 18 | SCA#ICDM | C | 001 | 0001 | 0000 |
| | SCA#ICDM | C | 001 | 0001 | 0000 |
| | SCA#ADB0 | C | 001 | 0001 | 0000 |
| 19 | SCA#ADB1 | C | 001 | 0001 | 0000 |
| | SCA#ADB2 | C | 001 | 0001 | 0000 |
| | SCA#ADB3 | C | 001 | 0001 | 0000 |
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C27

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|-----------|--------------|-------------|--|
| 01 | | | | | |
| 02 | | 2264 * | EQU | X'01' | . RESERVED (R8) |
| | | 2265 * | | | |
| 03 | | 00A8 2266 | SCADCFG9 EQU | SCADCFG8+1 | 1 REMOTE CONFIGURATION BYTE (R3) |
| | | 00B0 2267 | SCAMRWSA EQU | X'80' | . REMOTE WORK STATIONS ACTIVE FOR THIS IPL |
| | | 2268 * | | | |
| 04 | | 0040 2269 | SCAMRWAV EQU | X'40' | . PERFORM AUTOVARY ONLINE AT IPL |
| | | 0020 2270 | SCAMRWV EQU | X'20' | . VARY ONLINE NOT ALLOWED |
| | | 0010 2271 | SCAMRWFT EQU | X'10' | . VARY ON IN PROCESS BY #RWV |
| 05 | | 0008 2272 | SCAMRWSV EQU | X'08' | . RMS HAS SET 'SCAMRWV' (R7) |
| | | 0004 2273 | SCAMSWAP EQU | X'04' | . REMOTE TASK IS SWAPPABLE |
| | | 0002 2274 | SCAMRCFG EQU | X'02' | . AT LEAST ONE REMOTE CONFIGURED |
| | | 0001 2275 | SCAMRCF EQU | X'01' | . AT LEAST ONE REMOTE CONFIGURED FOR IPL AUTO VARY ONLINE |
| | | 2276 * | | | |
| | | 2277 * | | | |
| 07 | | 00AA 2278 | SCADTKS2 EQU | SCADCFG9+2 | 2 DISK SECTORS PER TRACK (R3) |
| | | 2279 * | | | |
| 08 | | 00AB 2280 | SCADCFG5 EQU | SCADTKS2+1 | 1 SECURITY FEATURES |
| | | 00B0 2281 | SCAMRSEC EQU | X'80' | . RESOURCE SECURITY |
| | | 0040 2282 | SCAMBADG EQU | X'40' | . BADGE READER SECURITY |
| | | 2283 * | EQU | X'20' | . RESERVED |
| | | 2284 * | EQU | X'10' | . RESERVED |
| | | 2285 * | EQU | X'08' | . RESERVED |
| | | 2286 * | EQU | X'04' | . RESERVED |
| | | 2287 * | EQU | X'02' | . RESERVED |
| | | 2288 * | EQU | X'01' | . RESERVED |
| | | 2289 * | | | |
| 11 | | 00AC 2290 | SCADWBT EQU | SCADCFG5+1 | . WSDM BRANCH TABLE (LOW SIDE) (R2) |
| | | 00AD 2291 | SCA#ADB0 EQU | SCADWBT+1 | ---> #ADB0 STORAGE ADDRESS (R2) |
| | | 00AF 2292 | SCA#ADB1 EQU | SCADWBT+3 | ---> #ADB1 STORAGE ADDRESS (R3) |
| | | 00B1 2293 | SCA#ADB2 EQU | SCADWBT+5 | ---> #ADB2 STORAGE ADDRESS (R3) |
| | | 00B3 2294 | SCA#ADM EQU | SCADWBT+7 | ---> #ADM STORAGE ADDRESS (R4) |
| | | 00B3 2295 | SCA#ICDM EQU | SCA#ADM | ---> #ICDM STORAGE ADDRESS (R4) |
| | | 2296 * | | | THIS ADDRESS WILL BE THE ADDRESS OF ICS DATA MANAGEMENT IF ICS IS ACTIVE, OTHERWISE IT WILL BE THE ADDRESS OF THE WORK STATION DATA MANAGEMENT ROUTER, #ADM. |
| | | 2297 * | | | |
| | | 2298 * | | | |
| | | 2299 * | | | |
| 14 | | 2300 * | | | |
| | | 00B5 2301 | SCA#ADB3 EQU | SCADWBT+9 | ---> #ADB3 STORAGE ADDRESS (R4) |
| | | 2302 * | EQU | SCADWBT+11 | RESERVED |
| 15 | | 00B7 2303 | SCADWBR EQU | SCADCFG5+12 | 12 WSDM BRANCH TABLE (HIGH SIDE) |
| | | 2304 * | | | |
| 16 | | 00BF 2305 | SCADRSPC EQU | SCADWBR+8 | 8 RESERVED |
| | | 2306 * | | | |
| 17 | | 00C0 2307 | SCADCP54 EQU | SCADRSPC+1 | 1 COMMAND PROCESSOR SWITCH 4 (R8) |
| | | 00B0 2308 | SCAMHLD EQU | X'80' | . VERY HIGH LEVEL DEDICATION |
| | | 2309 * | EQU | X'40' | . RESERVED |
| | | 2310 * | EQU | X'20' | . RESERVED |
| | | 2311 * | EQU | X'10' | . RESERVED |
| | | 2312 * | EQU | X'08' | . RESERVED |
| | | 2313 * | EQU | X'04' | . RESERVED |
| | | 2314 * | EQU | X'02' | . RESERVED |
| | | 2315 * | EQU | X'01' | . RESERVED |
| | | 2316 * | | | |
| 20 | | 00C2 2317 | SCADXMID EQU | SCADCP54+2 | 2 EXT. ADDRESS MAPPING (EXAM) (R6) |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|-----------------|--|-----------------------|----------------------------|
| 01 | | | | | |
| 02 | | 706 | ***** | | 06710000 |
| | | 707 * | | | 06720000 |
| 03 | | 708 * | THIS SUBROUTINE IS A COMMON DISK IOS INTERFACE | | 06730000 |
| | | 709 * | | | 06740000 |
| | | 710 | ***** | | 06750000 |
| 04 | | 0402 34 08 040C | 711 XRF IOS ST | XRF IOSRT+3, ARR | SAVE RETURN ADDR. 06760000 |
| | | 0406 EA 01 40 | 712 SWC SWCPD UNIT | EXECUTE I/O OPERATION | 06770000 |

15 SCADNPK C 001 00A4 2251 2294
 SCADICSA C 001 00C6 2361 2363
 SCADKCFG C 001 0040 1878
 SCADKKA C 001 00D8 2385 0271 2387
 16 SCADKLR C 001 006B 2080 2083 2085
 SCADLBF1 C 001 004F 2021 0225 2023
 SCADLIN# C 001 0091 2183 2210
 17 SCADMATR C 001 00E0 2399
 SCADMCFG C 001 0079 2125 2135
 SCADMCTR C 001 007B 2137 2138
 18 SCADMERP C 001 004D 2018 2019 2021
 SCADMGOI C 001 0073 2110 2111
 SCADMID# C 001 007E 2139 2140
 19 SCADMINT# C 001 005E 2060 2061
 SCADMID# C 001 0017 1960 1962
 SCADMONT C 001 008B 2149 2151
 20

15 SCADNPK C 001 00A4 2251 2294
 SCADICSA C 001 00C6 2361 2363
 SCADKCFG C 001 0040 1878
 SCADKKA C 001 00D8 2385 0271 2387
 16 SCADKLR C 001 006B 2080 2083 2085
 SCADLBF1 C 001 004F 2021 0225 2023
 SCADLIN# C 001 0091 2183 2210
 17 SCADMATR C 001 00E0 2399
 SCADMCFG C 001 0079 2125 2135
 SCADMCTR C 001 007B 2137 2138
 18 SCADMERP C 001 004D 2018 2019 2021
 SCADMGOI C 001 0073 2110 2111
 SCADMID# C 001 007E 2139 2140
 19 SCADMINT# C 001 005E 2060 2061
 SCADMID# C 001 0017 1960 1962
 SCADMONT C 001 008B 2149 2151
 20

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|--------|--------------|--|
| 02 | | 2372 * | | WITHIN THE INDIVIDUAL CONFIGURATION |
| | | 2373 * | | BYTES. EACH ENTRY IS TWO BYTES LONG. |
| 03 | | 2374 * | | BYTE 0: SEE LABEL 'UDTDCMF1' |
| | | 2375 * | | BYTE 1: SEE LABEL 'UDTDCMF3' FOR BITS 0-3. |
| | | 2376 * | | BITS 4-7 ('X'OF') MAP THE DEVICE |
| 04 | | 2377 * | | ADDRESS (PRIORITY) OF THE UDT LINE |
| | | 2378 * | | ENTRY. FOR EXAMPLE X'80' MAPS TO |
| | | 2379 * | | X'08'. SEE EQUATES BELOW. |
| 05 | 0008 | 2380 | SCAMP80 EQU | X'08' UDT DEVICE ADDRESS X'80' IR31 |
| | 0004 | 2381 | SCAMP40 EQU | X'04' UDT DEVICE ADDRESS X'40' IR61 |
| | 0002 | 2382 | SCAMP20 EQU | X'02' UDT DEVICE ADDRESS X'20' IR31 |
| 06 | 0001 | 2383 | SCAMP10 EQU | X'01' UDT DEVICE ADDRESS X'10' IR61 |
| | | 2384 * | | |
| | 0008 | 2385 | SCADKKA EQU | SCADUCFG+2 2 KATAKANA/KANJI COMP AREA IR61 |
| | | 2386 * | | |
| 07 | 0009 | 2387 | SCADSSPF EQU | SCADKKA+1 1 SSP FEATURE INDICATORS IR61 |
| | 0080 | 2388 | SCAMKKA EQU | X'80' . KATAKANA/KANJI FEATURE IR61 |
| 08 | | 2389 * | EQU | X'40' . RESERVED |
| | | 2390 * | EQU | X'20' . RESERVED |
| | | 2391 * | EQU | X'10' . RESERVED |
| 09 | | 2392 * | EQU | X'08' . RESERVED |
| | | 2393 * | EQU | X'04' . RESERVED |
| | | 2394 * | EQU | X'02' . RESERVED |
| 10 | 0001 | 2395 | SCAMK21 EQU | X'01' . X.21 FEATURE IR81 |
| | | 2396 * | | |
| | 00FF | 2397 | SCADCPYR EQU | 255 38 COPYRIGHT |
| | | 2398 * | | |
| 11 | 00E0 | 2399 | SCADMATR EQU | SCADCPYR-31 32 TERMINATION DUMP ATR STACK. |
| | | 2400 * | | USED BY ABNORMAL TERMINATION |
| 12 | | 2401 * | | WHEN DUMPING MORE THAN 64K OF |
| | | 2402 * | | MAIN STORAGE. COPYRIGHT WILL BE |
| | | 2403 * | | RESTORED WHEN DUMP IS COMPLETE. |
| | | 2404 * | | |
| 13 | | 2405 | *** | END OF EXPANSION ** |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------|------|------------------|
| 02 | | | | 2407 |
| 03 | | | | 2409 |
| | | | | 2410 |
| | | | | 2411 |
| 04 | | | | 2412 |
| | | | | 2413 |
| 05 | | 0000 | | 2415 |
| | | 0080 | | 2416 |
| | | 0040 | | 2417 |
| | | | | 2418 |
| 06 | | 0020 | | 2419 |
| | | | | 2420 |
| | | 0010 | | 2421 |
| 07 | | 0008 | | 2422 |
| | | 0004 | | 2423 |
| 08 | | 0002 | | 2424 |
| | | 0001 | | 2425 |
| 09 | | 0001 | | 2427 |
| | | 0080 | | 2428 |
| | | 0040 | | 2429 |
| 10 | | 0030 | | 2430 |
| | | 0020 | | 2431 |
| | | 0010 | | 2432 |
| | | | | 2433 |
| 11 | | 0008 | | 2434 |
| | | 0004 | | 2435 |
| | | | | 2436 |
| 12 | | 0002 | | 2437 |
| | | 0001 | | 2438 |
| 13 | | 0002 | | 2440 |
| | | .080 | | 2441 |
| | | 0040 | | 2442 |
| 14 | | 0020 | | 2443 |
| | | 0010 | | 2444 |
| | | 0008 | | 2445 |
| 15 | | 0004 | | 2446 |
| | | 0002 | | 2447 |
| | | 0001 | | 2448 |
| 16 | | | | |
| 17 | | 0003 | | 2450 |
| | | 0080 | | 2451 |
| 18 | | 0040 | | 2452 |
| | | | | 2453 |
| 19 | | 0020 | | 2454 |
| | | 0010 | | 2455 |
| | | 0008 | | 2456 |
| 20 | | 0004 | | 2457 |
| | | 0002 | | 2458 |
| | | 0001 | | 2459 |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|-------|--------------|---|
| 02 | 06800000 | 769 * | | A COMPLETION CODE BYTE OF X'41' - ALL OTHER BITS ARE OFF. |
| | | 770 * | | THUS, THESE EQUATES ARE TO BE USED IN BYTE COMPARES OF |
| 03 | | 771 * | | COMPLETION CODE (AS OPPOSED TO USED AS BIT MASK IN TBN, FOR |
| | | 772 * | | EXAMPLE). |
| | | 773 * | | |
| 04 | 0040 | 774 | \$FDNORM EQU | X'40' NORMAL COMPLETION |
| | 0040 | 775 | \$FDSCHT EQU | X'40' SCAN HIT (CASE OF NORMAL) |

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------|------|------------------|
| 02 | | | | 823 |
| | | | | 824 |
| 03 | | | | 825 |
| | | 0003 | | 826 |
| | | | | 827 |
| 04 | | | | 828 |

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|----|---|
| 15 | SCADIR52 C 001 009A 2222 2224 |
| | SCADUCFG C 001 00D6 2365 2366 2367 2368 2369 2385 |
| | SCADUDT1 C 001 00D5 2366 |
| 16 | SCADUDT2 C 001 00D3 2367 |
| | SCADUDT3 C 001 00D1 2368 |
| | SCADUDT4 C 001 00CF 2369 |
| | SCADVICE C 001 0055 2028 2030 |
| 17 | SCADWDBR C 001 00B7 2303 2305 |
| | SCADWDBT C 001 00AC 2290 2291 2292 2293 2294 2301 |
| | SCADWRK@ C 001 00A6 2254 2256 |
| 18 | SCADWSQS C 001 0098 2218 2220 |
| | SCADXM1D C 001 00C2 2317 2319 2329 2339 |
| | SCADXM11 C 001 00C1 2319 |
| 19 | SCADXM12 C 001 00C2 2329 |
| | SCADXSLT C 001 0085 2146 2147 |
| | SCADXSVC C 001 0003 1847 |
| 20 | |

| | |
|----|-------------------------|
| 15 | SCAMCNAT C 001 0080 21 |
| | SCAMCPAF C 001 0010 21 |
| | SCAMCPL C 001 0080 20 |
| 16 | SCAMCRAN C 001 0008 19 |
| | SCAMCRT C 001 0010 20 |
| | SCAMDATE C 001 0008 20 |
| 17 | SCAMDCKF C 001 0040 23 |
| | SCAMDEAD C 001 0001 19 |
| | SCAMDELE C 001 0004 21 |
| 18 | SCAMDFA C 001 0010 23 |
| | SCAMDPOK C 001 00A5 19 |
| 19 | SCAMDPOUS C 001 005A 19 |
| | SCAMDREC C 001 0080 21 |
| 20 | SCAMDSIZ C 001 0001 18 |

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MAXRF CROSS-REFERENCE R

| | | |
|----|---------------------|---|
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 02 | | 2407 * JCBEQ 07840000 |
| 03 | | 2409 ***** |
| | | 2410 * * |
| | | 2411 * JOB CONTROL BLOCK * |
| 04 | | 2412 * * |
| | | 2413 ***** |
| 05 | | 0000 2415 JCBINIT EQU 0 INITIATOR SWITCH BYTE |
| | | 0080 2416 JCBMNTA EQU X'80' IN INTRA MODE (LOAD STATEMENT RECEIVED) |
| | | 0040 2417 JCBMRUNG EQU X'40' PROGRAM RUNNING (BETWEEN RUN STATEMENT AND |
| | | 2418 * TERMINATION) |
| 06 | | 0020 2419 JCBMINTER EQU X'20' IN INTER MODE (BETWEEN TERMINATION AND |
| | | 2420 * LOAD STATEMENT) |
| 07 | | 0010 2421 JCBMINHT EQU X'10' IGNORE NO-HIST PROCEDURE ATTRIBUTE |
| | | 0008 2422 JCBMINTRT EQU X'08' THIS IS A MRT JCB |
| | | 0004 2423 JCBMINDSC EQU X'04' NO SOURCE REQUIRED |
| 08 | | 0002 2424 JCBMILDS EQU X'02' LOAD STMT RECEIVED THIS SESSION |
| | | 0001 2425 JCBMILDJ EQU X'01' LOAD STMT RECEIVED THIS JOB |
| 09 | | 0001 2427 JCBINT2 EQU JCBINIT+1 INITIATOR SWITCH BYTE TWO |
| | | 0080 2428 JCBMREGN EQU X'80' JOB REGION RECEIVED |
| | | 0040 2429 JCBMRLCL EQU X'40' LOCAL DATA AREA IS IN STORAGE |
| 10 | | 0030 2430 JCBMHPR EQU X'30' HIGH PRIORITY HAS BEEN SPECIFIED |
| | | 0020 2431 JCBMMDPR EQU X'20' MEDIUM PRIORITY HAS BEEN SPECIFIED |
| | | 0010 2432 JCBMLOPR EQU X'10' LOW PRIORITY HAS BEEN SPECIFIED |
| 11 | | 2433 * X'30' BITS OFF = NORMAL PRIORITY |
| | | 0008 2434 JCBMIPRC EQU X'08' IN A PROCEDURE |
| | | 0004 2435 JCBMUSLB EQU X'04' PROGRAM (JCBPROG) WAS FOUND IN USER |
| 12 | | 2436 * LIBRARY (JCBDCRLB) |
| | | 0002 2437 JCBMRSNP EQU X'02' ENQUEUE RESOURCES WITH NEP ATTRIBUTE |
| | | 0001 2438 JCBMWRTP EQU X'01' NRT PROGRAM |
| 13 | | 0002 2440 JCBDSCH1 EQU JCBINT2+1 SCHEDULER BYTE ONE |
| | | 0080 2441 JCBMPUCL EQU X'80' PROGRAM HAS UTILITY CONTROL STATEMENTS |
| 14 | | 0040 2442 JCBMREF EQU X'40' RUN OXREF AT TERMINATION |
| | | 0020 2443 JCBMRTWA EQU X'20' FIRST SYSIN RECORD IS IN TWA |
| | | 0010 2444 JCBMFLUC EQU X'10' FLUSH UTILITY CONTROL STATEMENTS |
| 15 | | 0008 2445 JCBMDEAD EQU X'08' PROGRAM IS DEDICATED |
| | | 0004 2446 JCBMWTCD EQU X'04' DMY DATE - WORLD TRADE |
| | | 0002 2447 JCBMDOMD EQU X'02' MDY DATE - DOMESTIC |
| | | 0001 2448 JCBMYDD EQU X'01' YMD DATE - INTERNATIONAL |
| 16 | | 0003 2450 JCBDSCH2 EQU JCBDSCH1+1 SCHEDULER BYTE TWO |
| | | 0080 2451 JCBMPCL EQU X'80' OPEN OR CLOSE ERROR |
| 17 | | 0040 2452 JCBMPRTY EQU X'40' PRTY COMMAND EXECUTED PRIOR TO START OF |
| | | 2453 * JOB |
| 18 | | 0020 2454 JCBMNEP EQU X'20' PROGRAM IS A NEP |
| | | 0010 2455 JCBMBTCH EQU X'10' JOB QUEUE PROGRAM |
| | | 0008 2456 JCBMICRC EQU X'08' INCLUDE STATEMENT RECEIVED |
| 19 | | 0004 2457 JCBMOPRD EQU X'04' ALLOCATE - DON'T PREPARE THE DISKETTE |
| | | 0002 2458 JCBMINQP EQU X'02' INQUIRY LATCH SET |
| | | 0001 2459 JCBMNONT EQU X'01' NON-INQUIRABLE PROGRAM |
| 20 | | |

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|----|---------------------|--|
| 01 | ERR LOC OBJECT CODE | |
| 02 | | |
| 03 | | |
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MAXRF CROSS-REFERENCE R

| | | |
|----|---------------------|---|
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 02 | | 823 * 824 * COMMAND MODIFIER ONLY FOR READ |
| 03 | | 825 * 0003 826 \$FOVER EQU X'03' VERIFY COMMAND MODIFIER |
| | | 827 * 828 * COMMAND MODIFIER ONLY FOR SCAN |
| 04 | | 829 * |

| | | |
|----|---------------------|-------------------------------------|
| 01 | ERR LOC OBJECT CODE | |
| 02 | | 0429 0860 042B 095C 042D 0A60 |
| 03 | | 042F 0C60 0431 |

| | | | | | |
|----|-----------|---|-----|------|------|
| 15 | SCAMCOUT | C | 001 | 0040 | 2102 |
| | SCAMCPAF | C | 001 | 0010 | 2104 |
| | SCAMCPL | C | 001 | 0080 | 2091 |
| 16 | SCAMCRAN | C | 001 | 0008 | 1917 |
| | SCAMCRT | C | 001 | 0010 | 2036 |
| | SCAMDATE | C | 001 | 0008 | 2053 |
| 17 | SCAMDCFK | C | 001 | 0040 | 2341 |
| | SCAMDEAD | C | 001 | 0001 | 1957 |
| | SCAMDELE | C | 001 | 0004 | 2106 |
| 18 | SCAMDFA | C | 001 | 0010 | 2355 |
| | SCAMDOM | C | 001 | 0002 | 2055 |
| | SCAMDPOK | C | 001 | 00A5 | 1905 |
| 19 | SCAMDPLUS | C | 001 | 005A | 1906 |
| | SCAMDREC | C | 001 | 0080 | 2126 |
| | SCAMDSIZ | C | 001 | 0001 | 1886 |
| 20 | | | | | |

| | | | | | |
|----|-----------|---|-----|------|----|
| 15 | SCAMLIN3 | C | 001 | 0020 | 2 |
| | SCAMLIN4 | C | 001 | 0010 | 2 |
| | SCAMLSHF | C | 001 | 0020 | 2 |
| 16 | SCAMLOTR | C | 001 | 0020 | 2 |
| | SCAMLOTX | C | 001 | 0040 | 2 |
| | SCAML1TR | C | 001 | 0001 | 19 |
| 17 | SCAML1TX | C | 001 | 0010 | 19 |
| | SCAML2TR | C | 001 | 0002 | 19 |
| | SCAML2TX | C | 001 | 0020 | 19 |
| 19 | SCAML3TR | C | 001 | 0004 | 19 |
| | SCAML3TX | C | 001 | 0040 | 19 |
| | SCAML4TR | C | 001 | 0008 | 19 |
| 19 | SCAML4TX | C | 001 | 0080 | 19 |
| | SCAMPD32 | C | 001 | 0080 | 19 |
| | SCAMPPLCA | C | 001 | 0080 | 21 |
| 20 | | | | | |

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| **MAXRF CROSS-REFERENCE RESOLVER | | | | | | PAGE 64 V09/11/81 12/08/81 00:29 | |
|----------------------------------|-------------|------|------|-----------|-----------------|---|--|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | |
| 01 | | | | | | | |
| 02 | 07840000 | 0004 | 2461 | JCBDSCH3 | EQU JCBDSCH2+1 | SCHEDULER BYTE THREE | |
| | | 0080 | 2462 | JCBMSE0J | EQU X'80' | SYSLOG - SUPPRESS 2 OPTION HALT | |
| | | 0040 | 2463 | JCBM5OFF | EQU X'40' | SYSLIST OFF SELECTED BY HALT OPTION | |
| 03 | | 0020 | 2464 | JCBM5PRT | EQU X'20' | SYSLIST PRINTER SELECTED BY HALT OPTION | |
| | | 0010 | 2465 | JCBM5RST | EQU X'10' | RESERVE STATEMENT RECEIVED THIS JOB | |
| | | 0008 | 2466 | JCBM5CRT | EQU X'08' | SYSLIST CRT SELECTED BY HALT OPTION | |
| 04 | | 0004 | 2467 | JCBM5OMP | EQU X'04' | END OF OUTER-MOST PROCEDURE | |
| | | 0002 | 2468 | JCBM5RINQ | EQU X'02' | INQUIRY JCB | |
| | | 0001 | 2469 | JCBM5SRC | EQU X'01' | TERMINATION - DISPLAY RETURN CODE | |
| 05 | | 0005 | 2471 | JCBDIINLK | EQU JCBDSCH3+1 | SCHEDULER INTERLOCK BYTE | |
| | | 0080 | 2472 | JCBM5SLOG | EQU X'80' | SYSLOG TRANSIENT CALLED | |
| 06 | | 0040 | 2473 | JCBM5YSN | EQU X'40' | SYSIN TRANSIENT CALLED | |
| | | 0020 | 2474 | JCBM5KAL | EQU X'20' | DISKETTE FILE ALLOCATED, BUT NOT CLOSED | |
| | | 0010 | 2475 | JCBM5R0VC | EQU X'10' | DISKETTE VTOC ON DISK | |
| 07 | | 0008 | 2476 | JCBM5R0VU | EQU X'08' | DISKETTE VTOC UPDATED | |
| | | 0004 | 2477 | JCBM5RCSM | EQU X'04' | RESUME - CALL #CSIM | |
| | | 0002 | 2478 | JCBM5RSLT | EQU X'02' | AUTO-LOADER DISKETTE SELECTED | |
| 08 | | 0001 | 2479 | JCBM5RSET | EQU X'01' | RESET STATEMENT RECEIVED | |
| 09 | | 0006 | 2481 | JCBM5UPS1 | EQU JCBDIINLK+1 | UPSI SWITCH BYTE | |
| | | 0080 | 2482 | JCBM5UPS1 | EQU X'80' | UPSI SWITCH ONE | |
| | | 0040 | 2483 | JCBM5UPS2 | EQU X'40' | UPSI SWITCH TWO | |
| 10 | | 0020 | 2484 | JCBM5UPS3 | EQU X'20' | UPSI SWITCH THREE | |
| | | 0010 | 2485 | JCBM5UPS4 | EQU X'10' | UPSI SWITCH FOUR | |
| | | 0008 | 2486 | JCBM5UPS5 | EQU X'08' | UPSI SWITCH FIVE | |
| | | 0004 | 2487 | JCBM5UPS6 | EQU X'04' | UPSI SWITCH SIX | |
| 11 | | 0002 | 2488 | JCBM5UPS7 | EQU X'02' | UPSI SWITCH SEVEN | |
| | | 0001 | 2489 | JCBM5UPS8 | EQU X'01' | UPSI SWITCH EIGHT | |
| 12 | | 0009 | 2491 | JCBDDATE | EQU JCBM5UPS1+3 | SESSION DATE | |
| | | 000C | 2493 | JCBDDPAT | EQU JCBDDATE+3 | PROGRAM DATE | |
| 13 | | 000E | 2495 | JCBDSLST | EQU JCBDDPAT+2 | SYSLIST INDICATOR - PRINTER ID | |
| | | 0000 | 2496 | JCB5LOFF | EQU X'0000' | X'0000' = OFF | |
| 14 | | EEEE | 2497 | JCB5LCRT | EQU X'EEEE' | X'EEEE' = CRT | |
| 15 | | 0010 | 2499 | JCBDCRLB | EQU JCBDSLST+2 | CURRENT LIBRARY F1 POINTER | |
| | | 0012 | 2500 | JCBDFSBL | EQU JCBDCRLB+2 | LIBRARY FSB CHAIN POINTER | |
| 16 | | 0014 | 2502 | JCBDFSFB | EQU JCBDFSBL+2 | FILE FSB CHAIN POINTER | |
| | | 0016 | 2504 | JCBM5SFB | EQU JCBDFSFB+2 | WSB CHAIN POINTER | |
| 17 | | 0018 | 2506 | JCBM5SBP | EQU JCBM5SFB+2 | PSB CHAIN POINTER | |
| 18 | | 0020 | 2508 | JCBM5PRC | EQU JCBM5SBP+8 | NAME OF FIRST LEVEL PROCEDURE | |
| | | 2509 | * | | | (MRT PROCEDURE NAME IF JCBM5MRT IS ON AND | |
| | | 2510 | * | | | THIS JCB IS POINTED TO BY THE MRT'S TCB) | |
| 19 | | 0028 | 2512 | JCBM5PROG | EQU JCBM5PRC+8 | PROGRAM NAME | |
| 20 | | 0029 | 2514 | JCBM5STAT | EQU JCBM5PROG+1 | STATUS BYTE | |

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| **MAXRF CROSS-REFERENCE RESOLVER | | | | | | PAGE 28 V09/11/81 12/08/81 00:29 | |
|----------------------------------|-------------|------|------|----------|----------------------|----------------------------------|----------|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | |
| 01 | | | | | | | |
| 02 | | 042A | 869 | XRFBUFA | DC AL2(XRFBUFA) | START OF WORK BUFFER | 06820000 |
| | | 042B | 095C | XRFEND | DC AL2(XRFBUFA+252) | END OF DIR ENTRIES IN BUFFER. | 06830000 |
| | | 042D | 0A60 | XRFBFITE | DC AL2(XRFBUFA+512) | END OF ##FCPF'S 2ND INDEX SECTOR | 06840000 |
| 03 | | 042F | 0C60 | XRFNDBUF | DC AL2(XRFBUFA+1024) | END START OF ##FCPF'S INDEX | 06850000 |
| | | 0431 | | XRFWORK | DS CL2 | END OF BUFFER | 06860000 |
| | | | | | | SAVE AREA FOR COMPARE. | 06870000 |

| **MAXRF CROSS-REFERENCE RESOLVER | | | | | | PAGE 28 V09/11/81 12/08/81 00:29 | |
|----------------------------------|-------------|------|--------|--------|-----------|----------------------------------|--|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | |
| 01 | | | | | | | |
| 02 | | 0466 | 000000 | | | | |
| | | 0469 | 000000 | | | | |
| 03 | | 046C | 000000 | | | | |
| | | 046F | 000000 | | | | |

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| 15 | SCAMLIN3 C 001 0020 2197 |
| | SCAMLIN4 C 001 0010 2198 |
| | SCAMLSMF C 001 0020 2322 |
| 16 | SCAMLOTR C 001 0020 2118 |
| | SCAMLOTX C 001 0040 2117 |
| | SCAML1TR C 001 0001 1970 |
| 17 | SCAML1TX C 001 0010 1966 |
| | SCAML2TR C 001 0002 1969 |
| | SCAML2TX C 001 0020 1965 |
| 19 | SCAML3TR C 001 0004 1968 |
| | SCAML3TX C 001 0040 1964 |
| | SCAML4TR C 001 0008 1967 |
| 19 | SCAML4TX C 001 0080 1963 |
| | SCAMMD32 C 001 0080 1950 |
| | SCAMMLCA C 001 0080 2172 |
| 20 | |

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| 15 | SCAMSPGP C 001 0020 |
| | SCAMSPOL C 001 0010 |
| | SCAMSPRK C 001 0040 |
| | SCAMSRJE C 001 0020 |
| 16 | SCAMSSST C 001 0008 |
| | SCAMSUBS C 001 0004 |
| | SCAMSWAP C 001 0004 |
| 17 | SCAMS32K C 001 0010 |
| | SCAMS48K C 001 0018 |
| | SCAMS64K C 001 0020 |
| 18 | SCAMS96K C 001 0030 |
| | SCAMFACT C 001 0001 |
| | SCAMTELL C 001 0001 |
| 19 | SCAMTOLD C 001 0002 |
| | SCAMUASF C 001 0002 |
| | SCAMVHLD C 001 0080 |
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C32

| ERR LOC OBJECT CODE | | ADDR | STMT | SOURCE | STATEMENT |
|---------------------|--|-----------|-----------|--------|---|
| 01 | | | | | |
| 02 | | 0080 2515 | JCBMWPNT | EQU | X'80' WAITING FOR PRINTER |
| | | 0040 2516 | JCBMULIN | EQU | X'40' WAITING FOR COMMUNICATION LINE |
| | | 0020 2517 | JCBMWDKT | EQU | X'20' WAITING FOR DISKETTE |
| 03 | | 0010 2518 | JCBMWDISK | EQU | X'10' WAITING FOR DISK SPACE |
| | | 0008 2519 | JCBMWTNT | EQU | X'08' INITIATOR WAITING FOR RESOURCES |
| | | 0004 2520 | JCBMWPX | EQU | X'04' WAITING FOR A MRT OVER MRTMAX |
| 04 | | 0002 2521 | JCBMSLOP | EQU | X'02' HALT PENDING TO SYSTEM OPERATOR |
| | | 0001 2522 | JCBMEXTD | EQU | X'01' FILE EXTENSION IN PROCESS |
| 05 | | 002A 2524 | JCBDRGSZ | EQU | JCBSTAT+1 REGION SIZE (STEP) |
| | | 002B 2526 | JCBCTAG | EQU | JCBDRGSZ+1 CURRENT TAG IN PPSA |
| 06 | | 002D 2528 | JCBDSLOB | EQU | JCBCTAG+2 SYSLIST IOB ADDRESS |
| | | 002F 2530 | JCBDRCTD | EQU | JCBDSLOB+2 RETURN CODE (MIC) |
| | | 0031 2532 | JCBDEXTA | EQU | JCBDRCTD+2 JCB EXTENSION ADDRESS |
| 08 | | 0033 2534 | JCBDRPG1 | EQU | JCBDEXTA+2 RELATIVE SS OF PROGRAM1 MESSAGE MEMBER |
| | | 0035 2535 | JCBDRPG2 | EQU | JCBDRPG1+2 RELATIVE SS OF PROGRAM2 MESSAGE MEMBER |
| 09 | | 0037 2536 | JCBUSR1 | EQU | JCBDRPG2+2 RELATIVE SS OF USER1 MESSAGE MEMBER |
| | | 0039 2537 | JCBUSR2 | EQU | JCBUSR1+2 RELATIVE SS OF USER2 MESSAGE MEMBER |
| | | 003B 2538 | JCBDPG1L | EQU | JCBUSR2+2 PROGRAM1 LIBRARY FORMAT-1 ADDRESS |
| 10 | | 003D 2539 | JCBDPG2L | EQU | JCBDPG1L+2 PROGRAM2 LIBRARY FORMAT-1 ADDRESS |
| | | 003F 2540 | JCBUR1L | EQU | JCBDPG2L+2 USER1 LIBRARY FORMAT-1 ADDRESS |
| | | 0041 2541 | JCBUR2L | EQU | JCBUR1L+2 USER2 LIBRARY FORMAT-1 ADDRESS |
| 11 | | 0043 2543 | JCBDMENU | EQU | JCBUR2L+2 RELATIVE SS OF MENU MESSAGE MEMBER |
| | | 0045 2544 | JCBDMENL | EQU | JCBDMENU+2 MENU LIBRARY FORMAT-1 ADDRESS |
| 12 | | 0047 2546 | JCBDBID | EQU | JCBDMENL+2 JOB NAME (ID) |
| 13 | | 0048 2548 | JCBDLNPG | EQU | JCBDBID+1 LINES/PAGE |
| | | 004C 2550 | JCBDFMNO | EQU | JCBDLNPG+4 FORMS NUMBER |
| 14 | | 004D 2552 | JCBDSLLC | EQU | JCBDFMNO+1 SYSLIST CRT LINE COUNTER |
| 15 | | 004E 2554 | JCBDNFTF | EQU | JCBDSLLC+1 NUMBER OF FORMATS FOUND |
| | | 0050 2556 | JCBDFINA | EQU | JCBDNFTF+2 ADDRESS OF FORMAT INDEX |
| 16 | | 0052 2558 | JCBDCIBa | EQU | JCBDFINA+2 ADDRESS OF COMPILER INFORMATION BLOCK |
| 17 | | 0054 2560 | JCBDDTfa | EQU | JCBDCIBa+2 ADDRESS OF FIRST DTF ON CHAIN |
| | | 0055 2562 | JCBDSLLR | EQU | JCBDDTfa+1 SYSLIST CRT LINES REQUESTED |
| 18 | | 0056 2564 | JCBDFRG | EQU | JCBDSLLR+1 REGION SIZE (DEFAULT) |
| 19 | | 0057 2566 | JCBDBRG | EQU | JCBDFRG+1 REGION SIZE (JOB) |
| 20 | | 005E 2568 | JCBDMENF | EQU | JDBRG+7 MENU FORMAT INDEX (NON-RELEASED US JOBS) |

B32

| ERR LOC OBJECT CODE | | ADDR | STMT | SOURCE | STATEMENT |
|---------------------|-------------|----------|----------|--------|---|
| 01 | | | | | |
| 02 | 0466 000000 | 0468 893 | XRFCPSSS | DC | XL3'000000' SSS OF ##PCPF - FORMAT INDEX 07060000 |
| | 0469 000000 | 0468 894 | XRFCSSSS | DC | XL3'000000' SSS OF ##CCF OR ##CCFMT IF OPT 07070000 |
| | | 895 * | | | SUBCONSOLE - 2ND FORMAT INDEX 07080000 |
| 03 | 046C 000000 | 046E 896 | XRBCPSSS | DC | XL3'000000' SSS OF ##BCPF - 3RD FORMAT aa220 07090000 |
| | 046F 000000 | 0471 897 | XRBCSSSS | DC | XL3'000000' SSS OF ##BCCF OR ##CCFMT aa220 07100000 |
| | | 898 * | | | IF OPT SUBCON - 4TH FORMAT aa220 07110000 |

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| 06820000 | FFER. |
| 06830000 | |
| 06840000 | SECTOR |
| 06850000 | DEX |
| 06860000 | |
| 06870000 | |

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| 0485 000000 | |
| 0488 00 | |
| 0489 0000 | |
| 048B 0000 | |

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| 15 | SCASHST C 001 0031 1996 1997 |
| 15 | SCASHMSG C 001 0038 2001 2002 |
| 15 | SCASIOSS C 001 0025 1987 1988 |
| 16 | SCASHMSG1 C 001 0038 2000 2001 |
| 16 | SCASHMSG2 C 001 0041 2003 2005 |
| 16 | SCASPARK C 001 0040 2127 |
| 17 | SCASSTWA C 001 001A 1978 1979 |
| 17 | SCASTOPS C 001 0080 2340 |
| 17 | SCASHMSG C 001 003E 2002 2003 |
| 18 | SCASYS C 001 0000 1841 1843 1846 1848 |
| 18 | SCASYS1 C 001 005B 2038 0259 0640 2048 |
| 18 | SCASYS2 C 001 005C 2048 2059 |
| 19 | SCATWASZ C 001 001C 1979 1981 |
| 19 | SCAUSER@ C 001 0049 2015 2016 |
| 19 | SCAZKBAD C 001 0008 1858 1861 |
| 20 | SCAZKOK C 001 0000 1859 |

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| 15 | SCASDTRK C 001 000F 1873 1904 |
| 15 | SCASHST C 001 0031 1996 1997 |
| 15 | SCASHMSG C 001 0038 2001 2002 |
| 15 | SCASIOSS C 001 0025 1987 1988 |
| 16 | SCASHMSG1 C 001 0038 2000 2001 |
| 16 | SCASHMSG2 C 001 0041 2003 2005 |
| 16 | SCASPARK C 001 0040 2127 |
| 17 | SCASSTWA C 001 001A 1978 1979 |
| 17 | SCASTOPS C 001 0080 2340 |
| 17 | SCASHMSG C 001 003E 2002 2003 |
| 18 | SCASYS C 001 0000 1841 1843 1846 1848 |
| 18 | SCASYS1 C 001 005B 2038 0259 0640 2048 |
| 18 | SCASYS2 C 001 005C 2048 2059 |
| 19 | SCATWASZ C 001 001C 1979 1981 |
| 19 | SCAUSER@ C 001 0049 2015 2016 |
| 19 | SCAZKBAD C 001 0008 1858 1861 |
| 20 | SCAZKOK C 001 0000 1859 |

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| 15 | SVCQSCAN C 001 0018 |
| 15 | SVCQSCAN C 001 0018 |
| 15 | SVCQUEUE C 001 000E |
| 16 | SVCQUANT C 001 002C |
| 16 | SVCRCDEQ C 001 0021 |
| 16 | SVCRCYCK C 001 0025 |
| 17 | SVCRENQ C 001 0021 |
| 17 | SVCRCPT C 001 0028 |
| 17 | SVCSCB C 001 000F |
| 18 | SVCSSSW C 001 0009 |
| 18 | SVCSCQ C 001 0029 |
| 18 | SVCSTEST C 001 0023 |
| 19 | SVCSTIO C 001 0015 |
| 19 | SVCSTIH C 001 001F |
| 19 | SVCSTIN C 001 0014 |
| 20 | SVCSTIR C 001 0016 |

C34

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| 01 | ERR LOC OBJECT CODE |
| 02 | 07860000 |
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| 01 | *****XRF CROSS-REFERENCE RESOLVER | PAGE 67 | V09/11/81 12/08/81 00:29 |
| 02 | ERR LOC OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 2623 * | DRCT1 |
| 02 | | 2624 * | ***** |
| 03 | | 2625 * | ***** |
| 03 | | 2626 ** | DIRECT STORAGE AREAS USED PRIMARILY BY THE CTRL STG NUCLEUS ** |
| 03 | | 2627 * | ***** |
| 03 | | 2628 * | ***** |
| 04 | | 2630 * | ***** |
| 05 | | 2631 * | NOTE: THE LABELING OF ITEMS AS 'CONSTANT', OR 'NON-CONSTANT IS * |
| 05 | | 2632 * | EXACT AND MEANINGFUL. THAT IS, ITEMS IDENTIFIED AS 'CONSTANT' * |
| 06 | | 2633 * | ARE EITHER INITIALIZED AT ASSEMBLY TIME OR ELSE FILLED IN AT * |
| 06 | | 2634 * | IPL TIME AND ARE NOT MODIFIED BY ANY OTHER FUNCTION. * |
| 06 | | 2635 * | ITEMS, IDENTIFIED AS 'NON-CONSTANT' MAY BE MODIFIED BY CTRL * |
| 07 | | 2636 * | STG NUCLEUS FUNCTIONS OR I/O FUNCTIONS. * |
| 07 | | 2637 * | * * |
| 07 | | 2638 * | NOTE: THERE IS A 'TRADE-OFF' THAT CAN BE MADE AS TO WHERE TO PLACE * |
| 08 | | 2639 * | A FULL WORD CONSTANT THAT IS REFERENCED ONLY ONCE: * |
| 08 | | 2640 * | * * |
| 09 | | 2641 * | 1 CONSTANT CAN BE PLACED IN DIRECT AREA AND REFERENCED * |
| 09 | | 2642 * | WITH A 'L' INST - THUS REQUIRING 2 CTRL STG WORDS TOTAL * |
| 09 | | 2643 * | * * |
| 09 | | 2644 * | 2 CONSTANT CAN BE PLACED IN REG BY 2 IN-LINE 'LI' INSTS * |
| 10 | | 2645 * | WHICH HAVE THE LEFT AND RIGHT BYTES OF THE CONSTANT * |
| 10 | | 2646 * | EMBEDDED IN THEM - THUS REQUIRING 2 CTRL STG WORDS TOTAL * |
| 10 | | 2647 * | * * |
| 11 | | 2648 * | THE STRATEGY FOLLOWED IS TO ALWAYS USE ALTERNATIVE 1 (UNTIL * |
| 11 | | 2649 * | DIRECT AREA IS EXCEEDED) SINCE THIS CONSIDERABLY SIMPLIFIES * |
| 11 | | 2650 * | THE PROCESS AND ERROR RISKS REQUIRED TO GET AN ADDR * |
| 12 | | 2651 * | CONSTANT SPLIT INTO A LEFT BYTE AND RIGHT BYTE FOR THE LI * |
| 12 | | 2652 * | INSTS. * |
| 12 | | 2653 * | ***** |
| 13 | | 2655 * | ***** |
| 13 | | 2656 * | 'NON-CONSTANT' NUCLEUS TRANSIENT AREA WORKSPACE. * |
| 14 | | 2657 * | THESE EIGHT WORDS MUST START AT THE FIRST WORD IN THE DIRECT AREA * |
| 14 | | 2658 * | BECAUSE THEY ARE ALSO COMMON TO THE IMPI WRAP ROUTINES * |
| 14 | | 2659 * | ***** |
| 15 | | 0000 2660 | DINXNTO EQU 0 XIENT WORK SPACE # 0 |
| 15 | | 0001 2661 | DINXNT1 EQU DINXNTO+1 XIENT WORK SPACE # 1 |
| 15 | | 0002 2662 | DINXNT2 EQU DINXNT1+1 XIENT WORK SPACE # 2 |
| 16 | | 0003 2663 | DINXNT3 EQU DINXNT2+1 XIENT WORK SPACE # 3 |
| 16 | | 0004 2664 | DINXNT4 EQU DINXNT3+1 XIENT WORK SPACE # 4 |
| 16 | | 0005 2665 | DINXNT5 EQU DINXNT4+1 XIENT WORK SPACE # 5 |
| 17 | | 0006 2666 | DINXNT6 EQU DINXNT5+1 XIENT WORK SPACE # 6 |
| 17 | | 0007 2667 | DINXNT7 EQU DINXNT6+1 XIENT WORK SPACE # 7 |
| 17 | | 2658 * | * * |
| 18 | | 0000 2668 | DIDSKTAB EQU DINXNTO DISK EXTENT TABLE (USED BY IPL ONLY) |
| 18 | | 0004 2670 | DIDSKTBL EQU 4 LENGTH OF A DISK EXTENT TABLE ENTRY |
| 18 | | 2671 * | * * |
| 19 | | 2672 * | ***** |
| 19 | | 2673 * | 'UNUSED WORDS' * |
| 19 | | 2674 * | ***** |
| 20 | | 0008 2675 | DINXNTO8 EQU DINXNT7+1 UNUSED |

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| 01 | *****XRF CROSS-REFERENCE RESOLVER |
| 02 | ERR LOC OBJECT CODE |
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| 01 | ERR LOC OBJECT CODE |
| 02 | 07380000 |
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| 01 | *****XRF CROSS-REFERENCE RESOLVER | PAGE 31 | V09/11/81 12/08/81 00:29 |
| 02 | ERR LOC OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 973 *RFSLG4 | \$LMSG TYPE-4, MIC-2599, URSTE-YES, MSGNBR-SSP, HALT-YES, 07410000 |
| 02 | | 974 * | PGMID-SSP, COMID-PA, SUBID-XR, OPTNO-YES, OPTN3-YES, 07420000 |
| 02 | | 975 * | FORMAT-YES 07430000 |
| 03 | | 0491 976 | XRFSLG4 EQU * * |
| 04 | | 977 | ***** |

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| 01 | *****XRF CROSS-REFERENCE RESOLVER |
| 02 | ERR LOC OBJECT CODE |
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| 16 | SVCQUEUE C 001 000E 1656 | |
| | SVCQWAIT C 001 002C 1687 | |
| | SVCRODEQ C 001 0021 1676 | |
| | SVCRDYCK C 001 0025 1680 | |
| | SVCRENQ C 001 0021 1675 1676 | |
| 17 | SVCRIPT C 001 0028 1683 | |
| | SVCSCB C 001 000F 1657 0262 | |
| | SVCSSSH C 001 0009 1651 | |
| 18 | SVCSSQ C 001 0029 1684 | |
| | SVCSTEST C 001 0023 1678 | |
| | SVCSTID C 001 0015 1663 | |
| 19 | SVCSTIH C 001 001F 1673 | |
| | SVCSTIN C 001 0014 1662 | |
| 20 | SVCSTIR C 001 0016 1664 | |

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| TCBBAT C 001 0078 3317 3320 |
| TCBBEAL C 001 0028 3205 3208 |
| TCBCAT C 001 0071 3288 3291 |
| TCBCATH C 001 0070 3287 |
| TCBCDALL C 001 0010 3129 |
| TCBCCHAIN C 001 0000 3180 3183 |
| TCBCHWPT C 001 0040 3127 |
| TCBCPLQ C 001 0009 3176 3179 |
| TCBCPONT C 001 0074 3301 3304 |
| TCBCPLPD C 001 0004 3280 |
| TCBCNPD C 001 0040 3280 |
| TCBCNPDP C 001 0020 3289 |
| TCBCRB C 001 0017 3118 3121 |
| TCBDEBO C 001 0001 3315 |

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| 07860000 |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------|---------------|--|
| 02 | 0009 | 2676 | DIASSANA EQU | D1UNUS08+1 BEST FIT ASSGN SAVE AREA 8 |
| | 00DA | 2677 | DIXANSHT EQU | DIASSANA+1 EXAM SWAP IN CANDIDATE 6 |
| | 000B | 2678 | DICURC28 EQU | DIXANSHT+1 CURRENT (EXAMB - 28) 6 |
| 03 | 000C | 2679 | D1USCAF EQU | D1CURC28+1 STORE FEATURE INFORMATION FOR ATOM 00755 |
| | 000D | 2680 | D1IOLDAR EQU | D1USCAF+1 SAVED LOGICAL DISKETTE DATA ADDRESS 00104 |
| | | 2681 | * | * |
| | | 2682 | ***** | ***** |
| | | 2683 | * | * POINTER TO SMF SID COUNTER AREA IN MAIN STORAGE * |
| | | 2684 | ***** | ***** |
| 05 | 000E | 2685 | D1SMFA EQU | D1IOLDAR+1 ADDR OF SMF SID COUNTER AREA IN MAIN STG. |
| | | 2686 | * | * |
| | | 2687 | ***** | ***** |
| 06 | | 2688 | * | * MAIN STORAGE SIZE AND BAD ZK PAGE COUNTER WORD * |
| | | 2689 | ***** | ***** |
| | | 2690 | * | * THE FOLLOWING BIT IS SET IN THE HIGH BYTE IF NECESSARY * |
| 07 | 0080 | 2691 | D1PGFULL EQU | X'80' BAD ZK PAGE ELEMENT IN PLS. IS FULL |
| | | 2692 | * | * NUMBER OF BAD ZK PAGES (HIGH BYTE) |
| | 000F | 2693 | D1MSIZE EQU | D1SMFA+1 MAIN STORAGE SIZE IN ZK PAGES (LOW BYTE) |
| | | 2694 | * | * |
| | | 2695 | ***** | ***** |
| | | 2696 | * | * SYSTEM INDICATOR WORD FOR SEGMENT ONE * |
| | | 2697 | ***** | ***** |
| 09 | 0010 | 2698 | D1INDR1 EQU | D1MSIZE+1 SYSTEM INDICATOR WORD FOR SEG 1 |
| | 0010 | 2699 | D1CSIZE EQU | D1INDR1 CONTROL STORAGE SIZE (LOW BYTE) |
| | | 2700 | * | * |
| | | 2701 | ***** | ***** |
| | | 2702 | * | * SYSTEM INDICATOR WORD BIT EQUATES (HIGH BYTE) * |
| | | 2703 | ***** | ***** |
| 11 | 0080 | 2704 | DMPROTECT EQU | X'80' DUMP FILE PROTECTED INDICATOR |
| | | 2705 | * | * 0 - THE DUMP FILE IS NOT PROTECTED |
| | | 2706 | * | * 1 - THE DUMP FILE IS PROTECTED |
| 12 | 0040 | 2707 | DMPINPRG EQU | X'40' STORAGE DUMP CURRENTLY IN PROGRESS |
| | | 2708 | * | * 0 - NO DUMP IN PROGRESS |
| | | 2709 | * | * 1 - STORAGE DUMP IN PROGRESS |
| 13 | 0020 | 2710 | DMPUSAC EQU | X'20' SUSPEND TASK FOR ADDRESS COMPARE DUMP 3 |
| | | 2711 | * | * 0 - DON'T SUSPEND TASK FOR DUMP 3 |
| | | 2712 | * | * 1 - SUSPEND TASK AFTER DUMP 3 |
| 14 | | 2713 | EQU | X'10' UNUSED |
| | 0008 | 2714 | MPIOBERR EQU | X'08' MULTI-PURPOSE IOB ERROR INDICATOR |
| | | 2715 | * | * 0 - NO ERROR IN MULTI-PURPOSE IOB |
| | | 2716 | * | * 1 - PERM DISK ERROR IN M.P. IOB |
| | 0004 | 2717 | PSIPLF1 EQU | X'04' IPL FROM DISK INDICATOR |
| | 0002 | 2718 | PSIPLI1 EQU | X'02' IPL FROM DISKETTE INDICATOR |
| | 0001 | 2719 | MLCA32K EQU | X'01' MLCA 32K CONTROLLER 8 |
| | | 2720 | ***** | ***** |
| 17 | | 2721 | * | * CONTROL STORAGE SIZE IN SECTORS (LOW BYTE) * |
| | | 2722 | ***** | ***** |
| | | 2723 | * | * |
| | | 2724 | ***** | ***** |
| 18 | | 2725 | * | * 'CONSTANT' POINTERS TO CONTROL STORAGE ITEMS * |
| | | 2726 | ***** | ***** |
| 19 | 0011 | 2727 | D1STKA EQU | D1INDR1+1 ADDR OF START OF REG STACK |
| | 0012 | 2728 | D1SVCINA EQU | D1STKA+1 ADDR OF IMMEDIATE SVC TABLE |
| | 0013 | 2729 | D1SMPIN EQU | D1SVCINA+1 MINIMUM NUMBER OF PAGES TO PARTIAL SWAP |

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| 02 | 0014 273 |
| | 0015 273 |
| | 0016 273 |
| | 0017 273 |
| | 0018 273 |
| | 273 |
| | 273 |
| | 273 |
| 05 | 0019 273 |
| | 001A 274 |
| | 001B 274 |
| 06 | 001C 274 |
| | 274 |
| | 274 |
| 07 | 001D 274 |
| | 001E 274 |
| | 001F 274 |
| 08 | 0020 274 |
| | 0021 274 |
| | 0022 275 |
| | 275 |
| 09 | 0023 275 |
| | 275 |
| | 275 |
| | 275 |
| 11 | 0024 275 |
| | 275 |
| | 275 |
| 12 | 0040 276 |
| | 0020 276 |
| | 0010 276 |
| | 0008 276 |
| | 0004 276 |
| | 0007 276 |
| | 0001 276 |
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| 16 | 0025 277 |
| | 277 |
| | 277 |
| | 0080 277 |
| | 0040 277 |
| | 0020 277 |
| | 0010 277 |
| | 277 |
| 19 | 0008 278 |
| | 0004 278 |
| | 0002 278 |

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| 07410000 |
| 07420000 |
| 07430000 |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------------------|---------------|---|
| 02 | 04A9 | 78D4C1E7D9C64060 | 04DA 1000 | XRFPATCH DC CL50 *MAXRF - UPDATE 07/17/80 - 1600* |
| | 04B1 | 7E4D7C4C1E3C540 | 1000 | |
| | 04B9 | F0F761F1F761F8F0 | 1000 | |
| | 04C1 | 406040F1F6F0F040 | 1000 | |
| | 04C9 | 4040404040404040 | 1000 | |
| | 04D1 | 4040404040404040 | 1000 | |
| | 04D9 | 4040 | 1000 | |
| 04 | 04DB | 1001 | XRFMTAB EQU * | IN-CORE FORMAT INDEX TABLE |

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| 101 |
| 102 |
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|----|-------------------------------------|
| 5 | TCBAWAIT C 001 0080 3101 |
| | TCBAWISCT C 001 0070 3296 3297 3298 |
| | TCBBAT C 001 0078 3317 3322 |
| 6 | TCBBEGL C 001 0028 3205 3206 3207 |
| | TCBCAT C 001 0071 3298 3299 |
| | TCBCATM C 001 0070 3297 |
| | TCBCCALL C 001 0010 3129 |
| 7 | TCBCHAIN C 001 0000 3180 3181 |
| | TCBCHKPT C 001 0040 3127 |
| | TCBCMPLQ C 001 0009 3176 3179 |
| 8 | TCBCNCNT C 001 0074 3301 3303 |
| | TCBCNLPD C 001 0004 3280 |
| | TCBCN2PD C 001 0040 3288 |
| 9 | TCBCN3PD C 001 0020 3289 |
| | TCBCRB C 001 0017 3189 3190 3200 |
| 10 | TCBDEDO C 001 0001 3315 |

C36

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|-----------|----------|--------|--|
| 02 | | 0014 2730 | DILATR@ | EQU | DLSWTCBO+1 ADDR OF LOAD ATR ROUTINE IN SEGMENT 0 |
| | | 0015 2731 | DIREGPT@ | EQU | DILATR@+1 ADDR OF START OF MSP REGISTER SAVE AREA |
| 03 | | 0016 2732 | DISEC@ | EQU | DIREGPT@+1 SYSTEM COUNTER TABLE ADDRESS |
| | | 0017 2733 | DITMVAL@ | EQU | DISEC@+1 ADDR OF HARDWARE TIMER VALUE |
| | | 0018 2734 | DLSWTCBO | EQU | DITMVAL@+1 SWAPOUT TCB ADDRESS. |
| 04 | | 2735 * | | | |
| | | 2736 | | | ***** |
| | | 2737 * | | | 'NON-CONSTANT' CONTROL STORAGE POINTERS AND WORDS * |
| | | 2738 | | | ***** |
| 05 | | 0019 2739 | DIERRMIC | EQU | DLSWTCBO+1 JOB TERMINATION ERROR MESSAGE NUMBER |
| | | 001A 2740 | DIERRTCB | EQU | DIERRMIC+1 JOB TERMINATION ERROR TCB ADDRESS |
| | | 001B 2741 | DIERRACE | EQU | DIERRTCB+1 JOB TERMINATION ERROR ACE ADDRESS |
| 06 | | 001C 2742 | DISTKPTR | EQU | DIERRACE+1 ADDR OF CURRENT REGISTER STACK ENTRY |
| | | 2743 * | | | |
| 07 | | 2744 * | | | THE FOLLOWING 6 WORDS ARE THE CURRENT LOADER PARAM LIST VALUES |
| | | 001D 2745 | DILDSS | EQU | DISTKPTR+1 HIGH AND MIDDLE BYTE OF SS FIELD |
| | | 001E 2746 | DILDSSN | EQU | DILDSS+1 LOW SS BYTE AND NUMBER OF TEXT SECTORS |
| 08 | | 001F 2747 | DILDLINK | EQU | DILDSSN+1 LINK-EDIT ADDRESS |
| | | 0020 2748 | DILDSTRT | EQU | DILDLINK+1 START CONTROL ADDRESS |
| | | 0021 2749 | DILDRTOT | EQU | DILDSTRT+1 RLD DISPLACEMENT AND NUMBER OF TOTAL SECS |
| 09 | | 0022 2750 | DILDLOAD | EQU | DILDRTOT+1 MODULE LOAD ADDRESS |
| | | 2751 * | | | |
| | | 0023 2752 | DIACVER@ | EQU | DILDLOAD+1 A/D ADDRESS COMPARE VERIFY ADDRESS |
| 10 | | 2753 * | | | |
| | | 2754 | | | ***** |
| | | 2755 * | | | TASK DISPATCHER CONTROL WORD * |
| | | 2756 | | | ***** |
| 11 | | 0024 2757 | DIDSPFLG | EQU | DIACVER@+1 TASK MANAGEMENT FLAGS. |
| | | 2758 * | | | HIGH BYTE |
| 12 | | 2759 * | | | EQU X'80' UNUSED. |
| | | 0040 2760 | DSPRGRST | EQU | X'40' TASK REGISTER RESTORE REQUIRED. |
| | | 0020 2761 | XAREAREF | EQU | X'20' TRANSIENT AREA REFRESHABLE. |
| 13 | | 0010 2762 | DSPADACT | EQU | X'10' DISABLE TASK DISP, ALTER/DISPLAY ACTIVE. |
| | | 0008 2763 | DSPFCUR | EQU | X'08' FORCE SWAPOUT OF CURRENT TASK. |
| | | 0004 2764 | DSPERPHD | EQU | X'04' DISABLE TASK DISP, MSP ERR PENDING |
| 14 | | 000? 2765 | DSPHOLD | EQU | X'02' TEMPORARY REQUEST TO HOLD DISPATCHING |
| | | 0001 2766 | DSPEXAM | EQU | X'01' EXAM INDICATOR 6 |
| | | 2767 * | | | LOW BYTE |
| 15 | | 2768 * | | | |
| | | 2769 | | | ***** |
| | | 2770 * | | | ALTER/DISPLAY CONTROL WORD * |
| | | 2771 | | | ***** |
| 16 | | 0025 2772 | DIADCNLT | EQU | DIDSPFLG+1 ALTER/DISPLAY CONTROL WORD |
| | | 2773 * | | | |
| 17 | | 2774 * | | | HIGH BYTE CONTROL BITS |
| | | 2775 * | | | |
| 18 | | 0080 2776 | ADEXIT | EQU | X'80' EXIT ALTER/DISPLAY. |
| | | 0040 2777 | ADSYSDMP | EQU | X'40' ALTER/DISPLAY SYSTEM DUMP REQUEST. |
| | | 0020 2778 | ADINQURY | EQU | X'20' DISPLAY A/D OPTION MENU. |
| | | 0010 2779 | ADTRACE | EQU | X'10' INSTRUCTION TRACE, STEP, ADDRESS COMPARE |
| 19 | | 2780 * | | | ENTRY INTO ALTER/DISPLAY. |
| | | 0008 2781 | ADWAITNG | EQU | X'08' ALTER/DISPLAY WAITING. |
| | | 0004 2782 | ADACTIVE | EQU | X'04' ALTER/DISPLAY ACTIVE. |
| 20 | | 0002 2783 | ADITRMOD | EQU | X'02' A/D IN INSTRUCTION TRACE MODE. |

B36

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|--------|------|---------------|-----------|
| 02 | 07450000 | 1019 * | | F1EQU | 07640000 |
| 03 | | 1021 | | | ***** |
| | | 1022 * | | | * |
| | | 1023 * | | DISK FORMAT-1 | * |
| | | 1024 * | | | * |

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|----|-------------------------------|
| 17 | TCBIDSNR C 001 00F8 3263 |
| | TCBIDSNR C 001 00F7 3262 |
| 17 | TCBIDSRJ C 001 00FA 3265 |
| | TCBIDS44 C 001 00FC 3267 |
| | TCBINQPD C 001 0001 3133 |
| 18 | TCBINQSP C 001 0020 3326 |
| | TCBINVCT C 001 0058 3222 3223 |
| | TCBIQCNT C 001 0075 3303 3305 |
| 19 | TCBIWAIT C 001 0008 3092 3097 |
| | TCBJCBA C 001 0015 3187 3188 |
| 20 | TCBJSTIN C 001 0004 3081 |

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|----|-------------------------------|
| 17 | TCBPRINTV C 001 00F0 3157 |
| | TCBPRINTV C 001 00FF 3137 |
| | TCBPRIOR C 001 0005 3135 3136 |
| | TCBPRIQ C 001 006D 3271 3272 |
| | TCBPRITH C 001 00F4 3144 |
| 18 | TCBPRMR C 001 00F0 3140 |
| | TCBPRPER C 001 00F0 3152 |
| | TCBPRSDP C 001 00F8 3145 |
| 19 | TCBPRSDS C 001 00F9 3146 |
| | TCBPRSMF C 001 00FB 3160 |
| 20 | TCBPRSNF C 001 00FC 3151 |

DO1

| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 70 V09/11/81 12/08/81 00:29 | |
|---------------------------------|-------------|--|---|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 0001 2784 ADSTPMOD EQU X'01' | A/D IN INSTRUCTION STEP MODE. |
| | | 2785 * | |
| | | 2786 * LOW BYTE | CONTROL BITS AND OFFSET INTO \$ADINIT |
| 03 | | 2787 * | OXREF TABLE THAT HAS DISK ADDRESSES OF |
| | | 2788 * | A/D TRANSIENTS. |
| | | 2789 * | |
| 04 | | 0080 2790 ADSTOPN EQU X'80' | LEAVE STOP LATCH ON WHEN EXITING A/D. |
| | | 0040 2791 ADSCO960 EQU X'40' | 960 CHARACTER CRT SCREEN |
| | | 0020 2792 ADRSTOMP EQU X'20' | ON - RESET START DUMP. @224 |
| 05 | | 2793 * | OFF - SYSTEM DUMP. @224 |
| | | 2794 * | USED IN CONJUNCTION WITH ADSYSOMP. @224 |
| | | 0010 2795 ADSTPTSK EQU X'10' | INSTRUCTION STEP BY TASK IS ACTIVE. @344 |
| 06 | | 2796 * | |
| | | 2797 * LOW ORDER 4 BITS IS OFFSET INTO \$ADINIT OXREF TABLE. | |
| | | 2798 * | |
| 07 | | 2799 ***** | |
| | | 2800 * SYSTEM FLAG WORD * | |
| | | 2801 ***. ***** | |
| 08 | | 0026 2802 DISYSFLG EQU DIADCNTL+1 | SYSTEM FLAGS. |
| | | 2803 * HIGH BYTE | |
| | | 0080 2804 TRALOAD EQU X'80' | MS XIENT AREA LOAD IN PROGRESS. |
| 09 | | 0080 2805 SWAP10 EQU X'80' | SWAP I/O IN PROGRESS. |
| | | 0080 2806 TLWALOAD EQU X'80' | TASK WORK AREA LOAD IN PROGRESS. |
| | | 0080 2807 LDINPROG EQU X'80' | M. S. LOADER ACE IN PROGRESS. |
| 10 | | 0040 2808 LDFCHREQ EQU X'40' | CURRENT M. S. LOADER REQ IS A FETCH |
| | | 0020 2809 GETPANYP EQU X'20' | NS GETP ANY PAGE |
| | | 0010 2810 GETPHSTC EQU X'10' | NS GETP HAVE SWAP-IN-CANDIDATE |
| 11 | | 0008 2811 GETPNOTC EQU X'08' | NS GETP NOT COMPLETE |
| | | 0004 2812 EXAM EQU X'04' | EXAM INDICATOR FOR NS GETP XIENT 6 |
| | | 2813 * EQU X'02' | UNUSED. |
| 12 | | 2814 * EQU X'01' | UNUSED. |
| | | 2815 * LOW BYTE | |
| | | 2816 * EQU X'80' | UNUSED. |
| 13 | | 2817 * EQU X'40' | UNUSED. |
| | | 2818 * EQU X'20' | UNUSED. |
| | | 2819 * EQU X'10' | UNUSED. |
| 14 | | 2820 * EQU X'08' | UNUSED. |
| | | 2821 * EQU X'04' | UNUSED. |
| | | 2822 * EQU X'02' | UNUSED. |
| 15 | | 2823 * EQU X'01' | UNUSED. |
| | | 2824 * | |
| | | 0027 2825 DIASRFLG EQU DISYSFLG+1 | ASSIGN RECOVERY FLAG |
| 16 | | 0080 2826 ASGNERR EQU X'80' | PERMANENT ASSIGN FAILURE HAS OCCURRED. |
| | | 0040 2827 AFINPROG EQU X'40' | ASSIGN RECOVERY IN PROGRESS. |
| | | 0020 2828 ASGNSEQ EQU X'20' | ASSIGN RECOVERY SEQUENCE HAS BEEN STARTED |
| 17 | | 0010 2829 ASGNPAGE EQU X'10' | A PAGE HAS BEEN ASSIGNED. |
| | | 0008 2830 ASGNMATR EQU X'08' | ASR WAITER OUTSTANDING MUST RECOVER |
| | | 000F 2831 ASGNRTRY EQU X'0F' | MAXIMUM NUMBER OF RELOOPS |
| 18 | | 2832 * LOW BYTE | USED FOR A COUNTER |
| | | 2833 * | |
| | | 0020 2834 DTTIMAB EQU DIASRFLG+1 | TIMER MAB SAVE AREA. |
| 19 | | 0029 2835 DTPTOXH EQU DTTIMAB+1 | TOX OF FIRST TQE ON QUEUE (HIGH.) |
| | | 002A 2836 DTPTOXL EQU DTPTOXH+1 | TOX OF FIRST TQE ON QUEUE (LOW.) |
| 20 | | * | |

| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 70 V09/11/81 12/08/81 00:29 | |
|---------------------------------|-------------|----------------------------------|------------------|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | | 28 |
| | | | 28 |
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| 03 | | | 002B 28 |
| | | | 002C 28 |
| | | | 002D 28 |
| 04 | | | 002E 28 |
| | | | 002F 28 |
| | | | 0030 28 |
| 05 | | | 0031 28 |
| | | | 0032 28 |
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| 06 | | | 0034 28 |
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| 07 | | | 0034 28 |
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| 08 | | | 0036 28 |
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| 09 | | | 0040 28 |
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| 12 | | | 0037 28 |
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| 13 | | | 003A 28 |
| | | | 003B 28 |
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| 14 | | | 28 |
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| 15 | | | 28 |
| | | | 003C 28 |
| | | | 003D 28 |
| 16 | | | 003E 28 |
| | | | 003F 28 |
| | | | 0040 28 |
| | | | 28 |
| 17 | | | 28 |
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| 18 | | | 28 |
| | | | C041 28 |
| | | | 042 28 |
| 19 | | | 043 28 |
| | | | 044 28 |
| | | | C045 28 |
| 20 | | | 0046 28 |

C01

| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 34 V09/11/81 12/08/81 00:29 | |
|---------------------------------|-------------|---|---|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 0002 1073 FIAMSPA2 EQU X'02' | SPINDLE A2 REQUESTED ORIGINALLY |
| | | 1075 * IF BOTH OF THE PREVIOUS TWO BITS ARE OFF, THEN NO ORIGINAL SPINDLE | |
| 03 | | 1076 * PREFERENCE WAS SPECIFIED | |
| | | 0001 1078 FIAMLBFL EQU X'01' | BIT ON = LIBRARIAN FILE |
| 04 | | 000F 1080 FIADRECL EQU FIADSLG+2 | RECORD LENGTH |
| | | 0010 1082 FIACHIGH EQU FIADRECL+1 | HIGH ORDER BYTE OF BLOCKS/RECORDS FIELD |
| 05 | | 0080 1083 FIAMBLRN EQU X'80' | BIT ON = FILE ALLOCATED WITH BLOCKS. |

| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 34 V09/11/81 12/08/81 00:29 | |
|---------------------------------|-------------|----------------------------------|------------------|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | | 11 |
| | | | 11 |
| 03 | | | 001E 11 |
| | | | 11 |
| 04 | | | 11 |
| | | | 11 |
| 05 | | | 11 |

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|----|-------------------------------|--|
| 17 | TCBPRTH C 001 00F4 3137 | |
| | TCBPRIOR C 001 0005 3135 3173 | |
| | TCBPRIQ C 001 006D 3271 3273 | |
| | TCBPRTH C 001 00F4 3144 | |
| 18 | TCBPRMR C 001 00F0 3140 | |
| | TCBPRPER C 001 00F0 3152 | |
| | TCBPRSDP C 001 00F8 3145 | |
| 19 | TCBPRSDS C 001 00F9 3146 | |
| | TCBPRSNF C 001 00FB 3160 | |
| | TCBPRSNF C 001 00FC 3151 | |
| 20 | | |

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|----|---------------------------|--|
| 17 | TCBSUSPS C 001 0079 3322 | |
| | TCBSWAIT C 001 0040 3102 | |
| | TCBSWAPD C 001 0040 3077 | |
| | TCBSWAPQ C 001 000F 3182 | |
| 18 | TCBSYSTEM C 001 0020 3277 | |
| | TCBTAS C 001 0020 3103 | |
| | TCBTERM C 001 0080 3126 | |
| 19 | TCBTHBIT C 001 0080 3287 | |
| | TCBTQE C 001 0067 3226 | |
| | TCBTSKID C 001 006B 3240 | |
| 20 | | |

D02

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------|--------------|--|
| 02 | | 2838 | | ***** |
| | | 2839 | * | 'CONSTANT' POINTERS TO MAIN STORAGE ITEMS * |
| | | 2840 | | ***** |
| 03 | 002B | 2841 | D1TCBHDR EQU | D1TPTOXL+1 ADDR OF MAIN STORAGE TCB QUEUE |
| | 002C | 2842 | D1MSATRS EQU | D1TCBHDR+1 ADDR OF MAIN STORAGE ATR MAP |
| | 002D | 2843 | D1FREEPT EQU | D1MSATRS+1 ADDR OF MAIN STORAGE FREE AREA |
| 04 | 002E | 2844 | D1MXNTPT EQU | D1FREEPT+1 ADDR OF MAIN STORAGE TRANSIENT AREA |
| | 002F | 2845 | D1DSTQE EQU | D1MXNTPT+1 ADDR OF MAIN STORAGE DISPATCHER TQE |
| 05 | 0030 | 2846 | D1TRSAVE EQU | D1DSTQE+1 SVC TRACE ADDRESS SAVE AREA ##### |
| | 0031 | 2847 | D1MNTQE EQU | D1TRSAVE+1 ADDR OF MAIN STORAGE MIDNIGHT TQE ##### |
| | 0032 | 2848 | D1XNTBL EQU | D1MNTQE+1 ADDR OF MAIN STORAGE XIENT TABLE-4 |
| 06 | 0033 | 2849 | D1MXACE@ EQU | D1XNTBL+1 ADDR OF MAIN STORAGE XIENT ACE |
| | 0034 | 2850 | D1MPIOB@ EQU | D1MXACE@+1 ADDR OF MAIN STORAGE MULTI-PURPOSE IOB. |
| | 0034 | 2851 | D1SWIOB@ EQU | D1MPIOB@ ADDR OF MAIN STORAGE SWAP IOB. |
| | 0034 | 2852 | D1TWIOB@ EQU | D1MPIOB@ ADDR OF MAIN STORAGE TASK WORK AREA IOB. |
| | 0034 | 2853 | D1MXIOB@ EQU | D1MPIOB@ ADDR OF MAIN STG XIENT SCHEDULER IOB. |
| | 0034 | 2854 | D1LDIOB@ EQU | D1MPIOB@ ADDR OF MAIN STG RELOCATING LOADER IOB |
| | 0035 | 2855 | D1SWACE@ EQU | D1MPIOB@+1 ADDR OF MAIN STORAGE SWAP ACE. |
| 08 | 0036 | 2856 | D1GPFLAG EQU | D1SWACE@+1 GENERAL POST FLAG WORD |
| | | 2857 | * | HIGH BYTE |
| 09 | 0080 | 2858 | ASGNFAIL EQU | X'80' SQS FAILURE INDICATOR |
| | 0040 | 2859 | DFFAIL EQU | X'40' DISK ENQUEUE FAILURE INDICATOR |
| | 0020 | 2860 | TASFAIL EQU | X'20' TEST AND SET FAILURE INDICATOR |
| 10 | 0010 | 2861 | WSQSFAIL EQU | X'10' WSQS FAILURE POST CODE. |
| | | 2862 | * | EQU X'08' UNUSED. |
| | | 2863 | * | EQU X'04' UNUSED. |
| | | 2864 | * | EQU X'02' UNUSED. |
| | | 2865 | * | EQU X'01' UNUSED. |
| | | 2866 | * | |
| 12 | 0037 | 2867 | D1STKSAV EQU | D1GPFLAG+1 STACK POINTER SAVE AREA |
| | 0038 | 2868 | D1QHSAVE EQU | D1STKSAV+1 SAVE AREA IN QUEUE ROUTINE FOR Q HEADER |
| | 0039 | 2869 | D1IPIOB@ EQU | D1QHSAVE+1 ADDR OF IPL IOB (VALID DURING IPL) |
| | 0039 | 2870 | D1TRACE@ EQU | D1IPIOB@ ADDR OF DISK TRACE ACE (VALID FOR TRACE) |
| 13 | 003A | 2871 | D1TRIOB@ EQU | D1IPIOB@+1 ADDR OF TRACE IOB |
| | 003B | 2872 | D1TIACE@ EQU | D1TRIOB@+1 ADDR OF MS INTERVAL TIMER ACE |
| | | 2873 | * | |
| | | 2874 | * | ***** |
| 14 | | 2875 | * | 'CONSTANT' AND 'NON-CONSTANT' POINTERS TO MAIN STORAGE ITEMS * |
| | | 2876 | * | ***** |
| 15 | 003C | 2877 | D1FRCTCB EQU | D1TIACE@+1 FORCE OUT CURRENT TASK TCB ADDRESS |
| | 003D | 2878 | D1DSPTCB EQU | D1FRCTCB+1 CURRENT MAIN STORAGE TCB ADDRESS |
| 16 | 003E | 2879 | D1CURJCB EQU | D1DSPTCB+1 CURRENT JOB CONTROL BLOCK ADDRESS |
| | 003F | 2880 | D1QUEUE@ EQU | D1CURJCB+1 QUEUE HEADER START ADDRESS |
| | 0040 | 2881 | D1RTTABL EQU | D1QUEUE@+1 RESOURCE TABLE ADDRESS IN MAIN STORE |
| | | 2882 | * | |
| 17 | | 2883 | * | ***** |
| | | 2884 | * | 'NON-CONSTANT' POINTERS TO MAIN STORAGE ITEMS * |
| | | 2885 | * | ***** |
| 18 | 0041 | 2886 | D1ILSWRK EQU | D1RTTABL+1 WORK AREA FOR USE ON IL5 |
| | 0042 | 2887 | D1SAVEIN EQU | D1ILSWRK+1 POST ROUTINE INPUT SAVE AREA |
| | 0043 | 2888 | D1IARS EQU | D1SAVEIN+1 SAVE AREA FOR INPUT IAR VALUE |
| 19 | 0044 | 2889 | D1CURTCB EQU | D1IARS+1 ADDR OF MAIN STORAGE WORKING TCB |
| | 0045 | 2890 | D1XTCB@ EQU | D1CURTCB+1 MS XIENT AREA OWNER. |
| 20 | | 0046 | 2891 | D1LDACE@ EQU D1XTCB@+1 ADDR OF ACTIVE M.S. LOADER ACE |

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| V09/11/81 12/08/81 00:29 | |
| 01 | |
| 02 | 0047 |
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| | 00FF |
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| 04 | 004A |
| | 004B |
| | 004C |
| 05 | 004D |
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| 06 | |
| 07 | 004F |
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| 09 | 0053 |
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| 12 | 0056 |
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| | 0059 |
| 13 | 005A |
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| 14 | 005D |
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| 16 | 005E |
| | 005F |
| | 0060 |
| | 0080 |
| | 0040 |
| | 0020 |
| | 0010 |
| 18 | 0008 |
| | 0004 |
| | 0002 |
| 19 | 0001 |
| | 0000 |
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C02

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| V09/11/81 12/08/81 00:29 | |
| 01 | |
| 02 | |
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| 04 | |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------|--------------|---|
| 03 | 001E | 1128 | F1ALIVTA EQU | F1ADVTOC+1 LENGTH OF THE FIRST VTOC AREA |
| 04 | | 1130 | * | ***** |
| | | 1131 | * | |
| | | 1132 | * | THE FOLLOWING FIELDS ARE ONLY SUPPORTED IN THE AFA FORMAT-1 * |
| | | 1133 | * | (EXCEPT WHERE NOTED OTHERWISE) * |
| 05 | | 1134 | * | * |
| | | 1135 | * | ***** |
| 06 | 001F | 1137 | F1ADFCBN EQU | F1ADVTOC+2 FORWARD CHAIN POINTER |

| | |
|--------------------------|------|
| V09/11/81 12/08/81 00:29 | |
| 01 | |
| 02 | |
| 03 | 0028 |
| 04 | 002A |
| | 002E |
| 05 | 0031 |
| 06 | |

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|----|-------------------------------|
| 17 | TCBSUSPS C 001 0079 3322 3331 |
| 17 | TCBSWAIT C 001 0040 3102 |
| 17 | TCBSWAPD C 001 0040 3077 |
| 18 | TCBSWAPQ C 001 000F 3182 |
| 18 | TCBSYSTEM C 001 0020 3277 |
| 18 | TCBTAS C 001 0020 3103 |
| 19 | TCBTERM C 001 0080 3126 |
| 19 | TCBTHBIT C 001 0080 3287 |
| 19 | TCBTQE C 001 0067 3226 3227 |
| 19 | TCBTSKID C 001 0068 3240 3271 |
| 20 | |

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| 17 | KRBCSSS A 003 0471 |
| 17 | KRBCPSSS A 003 046E |
| 17 | KRCCS A 004 0465 |
| 18 | KRCCB A 004 0459 |
| 18 | KRF#TXT A 003 0445 |
| 18 | KRFBFTE A 002 042E |
| 19 | KRFBUFF A 001 0060 |
| 19 | KRFBUFFB A 002 042A |
| 19 | KRFBUFFE A 001 0C5F |
| 20 | |

003

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#MAXRF CROSS-REFERENCE RESOLVER PAGE 72 V09/11/81 12/08/81 00:29

#MAXRF CROSS-REFERENCE

| | | |
|----|---------------------|----------------------------|
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 02 | ***** | |
| 02 | * | |
| 02 | ***** | |
| 03 | ##### | |
| 03 | ##### | |
| 04 | OB. | |
| 05 | IOB. | |
| 05 | OB. | |
| 06 | DER | |
| 06 | ACE) | |
| 07 | ***** | |
| 07 | * | |
| 07 | ***** | |
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| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 02 | | 0047 2892 DISWTCBI EQU DILDACE+1 SWAPIN TCB ADDRESS. ##### |
| 02 | | 0048 2893 DITWTCBA EQU DISWTCBI+1 TASK WORK AREA TCB ADDRESS (SHARED) |
| 03 | | 0048 2894 DILDTCBA EQU DITWTCBA RELOCATING LOADER TCB ADDRESS (SHARED) |
| 03 | | 0049 2895 DLOGPT EQU DITWTCBA+1 ADDR OF NEXT TRACE LOG OUT ENTRY |
| 03 | | 00FF 2896 LOGTFULL EQU X'FF' STORAGE TRACE TABLE FULL |
| 04 | | 2897 * (H) = X'FF' TRACE BUFFER IS FULL |
| 04 | | 004A 2898 DLOGLIM EQU DLOGPT+1 END ADDRESS OF TRACE BUFFER |
| 04 | | 004B 2899 DICURAQE EQU DLOGLIM+1 CURRENT AQE |
| 05 | | 004C 2900 DIASRTQE EQU DICURAQE+1 ASSIGN RECOVERY TQE ADDRESS. |
| 05 | | 004D 2901 DIAQWARK EQU DIASRTQE+1 RESOURCE ENQUEUE/DEQUEUE WORK AREA |
| 05 | | 004E 2902 DIQSAVE EQU DIAQWARK+1 SAVE AREA FOR MMB IN QUEUE ROUTINE |
| 06 | | 2903 * |
| 06 | | 2904 ***** |
| 06 | | 2905 * 'NON-CONSTANT' DISK ADDRESS POINTERS * |
| 06 | | 2906 ***** |
| 07 | | 004F 2907 DLOGSSH EQU DIQSAVE+1 SECTOR ADDRESS OF TRACE FILE, BUFFER SIZE |
| 07 | | 2908 * (H) = SECTOR ADDRESS (L) OF TRACE FILE |
| 07 | | 2909 * (L) = SIZE OF TRACE BUFFER (N) |
| 08 | | 0050 2910 DLOGSS EQU DLOGSSH+1 SECTOR ADDRESS OF TRACE FILE (H,M) |
| 08 | | 0051 2911 DLOGSIZ EQU DLOGSS+1 TRACE FILE SIZE |
| 08 | | 0052 2912 DLOGUSD EQU DLOGSIZ+1 TRACE FILE CURRENT POINTER (OFFSET) |
| 09 | | 0053 2913 DICURXNT EQU DLOGUSD+1 DISK ADDR OF XTENT CURRENTLY IN MS AREA |
| 09 | | 0054 2914 DICSDUMP EQU DICURXNT+1 CONTROL STORAGE DUMP FILE SECTOR ADDRESS |
| 09 | | 0055 2915 DICURTRB EQU DICSDUMP+1 CURRENT REQUEST BLOCK |
| 10 | | 2917 * |
| 11 | | 2918 ***** |
| 11 | | 2919 * MS. PROCESSOR REGISTER SAVE AREA * |
| 11 | | 2920 ***** |
| 12 | | 0056 2921 D1XR1 EQU DICURTRB+1 XR1 |
| 12 | | 0057 2922 D1XR2 EQU D1XR1+1 XR2 |
| 12 | | 0058 2923 D1ARR EQU D1XR2+1 ARR |
| 13 | | 0059 2924 D1IAR EQU D1ARR+1 IAR |
| 13 | | 005A 2925 D1PMRPSR EQU D1IAR+1 PMR AND PSR |
| 13 | | 005B 2926 DIRQ EQU D1PMRPSR+1 R AND Q BYTES |
| 14 | | 005C 2927 D1INL12 EQU DIRQ+1 INLINE PARAMETERS 1 2 |
| 14 | | 005D 2928 D1INL34 EQU D1INL12+1 INLINE PARAMETERS 3 4 |
| 14 | | 2929 * |
| 15 | | 2930 ***** |
| 15 | | 2931 * IL5 WORK AREAS FOR HPTOCH * |
| 15 | | 2932 ***** |
| 16 | | 005E 2933 D1UNUSSE EQU D1INL34+1 >>>> UNUSED <<<<< |
| 16 | | 005F 2934 D1L5PCR EQU D1UNUSSE+1 CMR/PCR SAVE AREA. |
| 16 | | 0060 2935 D1HPCSDA EQU D1L5PCR+1 MSP CONTROL STATUS - CHNL DEVICE ADDR |
| 17 | | 0080 2936 HPASGERR EQU X'80' ASSIGN FAILURE HAS OCCURRED. |
| 17 | | 0040 2937 HPSTART EQU X'40' START THE MSP BEFORE EXIT |
| 17 | | 0020 2938 HPI2SVCA EQU X'20' POST SVC FROM IL2 IS IN PROCESS |
| 18 | | 0010 2939 HPCSSVC EQU X'10' CS SVC REQUEST |
| 18 | | 0008 2940 HPNOTBSY EQU X'08' MSP NOT BUSY (NO TASK AVAILABLE) |
| 18 | | 0004 2941 HPWAITNG EQU X'04' MSP WAITING FOR START KEY |
| 19 | | 0002 2942 HPNOTSTR EQU X'02' SUPPRESS START OF MSP |
| 19 | | 0001 2943 HPERRPND EQU X'01' ERROR PENDING, RECOVERY IN PROCESS |
| 19 | | 000D 2944 HPHALTED EQU HPNOTBSY+HPWAITNG+HPERRPND DO NOT START MSP |
| 20 | | 2945 * |

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C03

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#MAXRF CROSS-REFERENCE RESOLVER PAGE 36 V09/11/81 12/08/81 00:29

#MAXRF CROSS-REFERENCE

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| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 02 | | |
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| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 02 | | 1179 * FREED BY ALLOCATE FOR NON-INDEXED FILES * |
| 02 | | 1180 * * |
| 03 | | 1181 ***** |
| 03 | | 0028 1183 FIADKEYL EQU FIADDFQ+1 KEY LENGTH |
| 04 | | 002A 1185 FIADKEYO EQU FIADKEYL+2 KEY LOCATION |
| 05 | | 002E 1187 FIADLSTK EQU FIADKEYO+4 SSS/D OF NEXT KEY |
| 05 | | 0031 1189 FIADSTIX EQU FIADLSTK+3 SSS OF STAPL OF INDEX |
| 06 | | |

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| 01 | ERR LOC OBJECT CODE | |
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| 17 | XRBCSS A 003 0471 0897 |
| 18 | XRCCS A 004 0465 0891 |
| 19 | XRFBUFF A 001 0860 1015 |
| 20 | XRFBUFFE A 001 0C5F 1016 |

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| 17 | XRBCSS A 003 0471 0897 0345* 0346* 0350* 351* 0472 0476 0484 |
| 18 | XRCCS A 004 0465 0891 0348 |
| 19 | XRFBUFF A 001 0860 1015 0423 0439 0462 0479 0854 0869 0870 0871 0873 0909 1016 1017 |
| 20 | XRFBUFFE A 001 0C5F 1016 0546 0549 |

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| 17 | XRFADWK A 001 |
| 18 | XRFKXNK C 001 |
| 19 | XRFKXMT A 004 |
| 20 | XRFKXNT A 004 |

D04

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| PAGE 72 | V09/11/81 | 12/08/81 | 00:29 |
| ***** | | | |
| (SHARED) | | | |
| CS (SHARED) | | | |
| ENTRY | | | |
| S FULL | | | |
| WORK AREA | | | |
| ROUTINE | | | |
| ***** | | | |
| * | | | |
| ***** | | | |
| , BUFFER SIZE | | | |
| TRACE FILE | | | |
| (N) | | | |
| (H,M) | | | |
| OFFSET) | | | |
| IN MS AREA | | | |
| CTOR ADDRESS | | | |
| ***** | | | |
| * | | | |
| ***** | | | |
| L DEVICE ADDR | | | |
| ESS | | | |
| (BLE) | | | |
| PROCESS | | | |
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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 73 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 0061 2946 | D1HPCSTK EQU D1HPCSDA+1 CURRENT STACK POINTER FOR CS SVCS FROM IL2 |
| | | 0062 2947 | D1HPSTK EQU D1HPCSTK+1 STACK POINTER FOR CS SVC REQUESTS FROM IL2 |
| 03 | | 0063 2949 | D1RNQSAV EQU D1HPSTK+1 RESOURCE ENQUEUE/DEQUEUE SAVE AREA |
| | | 2950 | ***** |
| 04 | | 2951 | * 'ACE' BUILD AREA * |
| | | 2952 | ***** |
| | | 0064 2953 | D1ACE1AR EQU D1RNQSAV+1 ACE 1AR VALUE |
| | | 0065 2954 | D1ACEMAB EQU D1ACE1AR+1 ACE MAB VALUE |
| 05 | | 0066 2955 | D1ACE1M EQU D1ACEMAB+1 IN-LINE PARMS 1 AND 2 |
| | | 0067 2956 | D1ACE1E EQU D1ACE1M+1 IN-LINE PARMS 3 AND 4 |
| | | 0068 2957 | D1ACE1R1 EQU D1ACE1E+1 ACE XRI VALUE |
| 06 | | 0068 2958 | D1ACE1OB EQU D1ACE1R1 ACE 1OB a VALUE |
| | | 0069 2959 | D1ACE1R2 EQU D1ACE1OB+1 ACE XR2 VALUE |
| | | 0069 2960 | D1ACE1LB EQU D1ACE1R2 ACE PARAMETER LIST a VALUE |
| 07 | | 006A 2961 | D1ACE1TCB EQU D1ACE1R2+1 TCB ADDRESS |
| | | 2962 | * |
| | | 2963 | ***** |
| 08 | | 2964 | * ENTRY POINTS FOR ROUTINES IN THE FIRST SEGMENT OF CONTROL STORAGE * |
| | | 2965 | ***** |
| | | 006B 2966 | D1SETSW EQU D1ACE1TCB+1 SET ACTION CONTROL WORD ENTRY POINT |
| 09 | | 2967 | * |
| | | 2968 | ***** |
| | | 2969 | * MISCELLANEOUS CONSTANTS * |
| 10 | | 2970 | ***** |
| | | 2971 | * |
| | | 2972 | * Q AND R BYTE PARMS FOR DISK READ/WRITE FUNCTIONS (USED BY MUD10) |
| 11 | | 2973 | * |
| | | 006C 2974 | D1RDMS EQU D1SETSW+1 Q/R BYTES TO READ INTO MAIN STG |
| | | 006D 2975 | D1RDCS EQU D1RDMS+1 Q/R BYTES TO READ INTO CTRL STG |
| 12 | | 2976 | * |
| | | 006E 2977 | D1WRMS EQU D1RDMS+1 Q/R BYTES TO WRITE FROM MAIN STG |
| | | 006F 2978 | D1WRCS EQU D1WRMS+1 Q/R BYTES TO WRITE FROM CTRL STG |
| 13 | | 2979 | * |
| | | 0070 2980 | D1DSTIME EQU D1WRCS+1 DISPATCHER/ SWAP TIME INTERVALS |
| | | 2981 | * |
| 14 | | 0030 2982 | RCTMINT EQU 61 >> TASK TIMER INTERVAL: << |
| | | 2983 | >> 61 TIMER UNITS = 499.712 MSEC. <***** |
| | | 2984 | ***** |
| 15 | | 2985 | * NON CONSTANTS FOR MSP ERROR RETRY STORAGE CORRECTION * |
| | | 2986 | ***** |
| | | 2987 | * |
| 16 | | 0071 2988 | D1HCSTGA EQU D1DSTIME+1 FAILING MS ADDRESS |
| | | 2989 | * |
| 17 | | 0072 2990 | D1HCSTGD EQU D1HCSTGA+1 CORRECTION FLAG / CORRECTED DATA |
| | | 2991 | * |
| | | 2992 | ***** |
| 18 | | 2993 | * ALTER/DISPLAY WORDS FOR ADDRESS COMPARE/VERIFY FUNCTION * |
| | | 2994 | ***** |
| | | 2995 | * |
| 19 | | 0073 2996 | D1ACVERD EQU D1HCSTGD+1 A/D ADDRESS COMPARE VERIFY DATA |
| | | 0074 2997 | D1ACTSKA EQU D1ACVERD+1 A/D ADDRESS COMPARE TASK ADDRESS |
| | | 0075 2998 | D1ACCNTR EQU D1ACTSKA+1 A/D ADDRESS COMPARE CONTROL WORD |
| 20 | | 2999 | * HIGH BYTE |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 73 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
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| PAGE 36 | V09/11/81 | 12/08/81 | 00:29 |
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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 37 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 001E 1232 | F1FLAG EQU F1ADVTOC+1 1-BYTE FLAG INDICATING THAT RESTART OF |
| | | 1233 | * \$PACK IS REQUIRED FOR THIS FILE. |
| 03 | | 00FF 1234 | F1RESTR EQU X'FF' SWITCH VALUE THAT IS PLACED IN F1FLAG |
| | | 1235 | * IF RESTART IS NECESSARY. |
| | | 0021 1236 | F1SSTRT EQU F1FLAG+3 POINTS TO START SSS OF DATA THAT HAS BEEN |
| | | 1237 | * MOVED BY \$PACK. |
| 04 | | 0027 1238 | F1SSEND EQU F1ADEDQ POINTS TO END SSS OF DATA THAT HAS BEEN |
| | | 1239 | * MOVED BY \$PACK. |
| 05 | | 1241 | *** END OF EXPANSION ** |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 37 V09/11/81 12/08/81 00:29 | |
| 01 | ERR LOC OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
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| 17 | XRFUPDAT A 003 0439 0877 0399 0512 0580 | |
| | XRFWITCH A 001 0477 0903 0545* 0586* 0592* 0629* 0672 | |
| | XRFWRK A 002 0432 0874 0388* 0390 0394* 0395 | |
| | XRFXINT A 004 0440 0885 0317 | |
| 18 | XRFXRNAM C 001 0003 0917 0588 0918 | |
| | XRFXRNEC C 001 000A 0923 0376* 0377 0512 0513 0514 0595 | |
| | XRFXRRLD C 001 0008 0921 0353* 0547 0550 0590 0593 0922 | |
| | XRFXRSS# C 001 0007 0920 0354* 0534 0921 | |
| 19 | XRFXRWTG C 001 0009 0922 0365* 0369* 0373* 0529 0560 0613 0923 | |
| | XRF00000 A 003 0000 0198 | |
| 20 | XRF00003 A 003 0003 0199 | |

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| 18 | XRF00170 A 004 03CA 0670 | |
| | XRF00175 A 001 0300 0684 | |
| 17 | XRF00180 A 003 03EF 0693 | |
| | XRF00190 A 001 03F2 0696 | |
| | XRF00196 A 004 03F6 0702 | |
| 18 | XRF00198 A 004 03FA 0703 | |
| | XRF00200 A 004 03FE 0704 | |
| | XR1 C 001 0001 1364 | |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 74 | V09/11/81 12/08/81 00:29 |
| ERR LOC | OBJECT CODE | ADDR | STMT SOURCE STATEMENT |
| 02 | | 0080 3000 | ADTASK EQU X'80' STOP IF TASK ACTIVE |
| | | 0040 3001 | ADCREAL EQU X'40' REPL VERIFY ADDRESS |
| 03 | | 0020 3002 | ADCVRFY EQU X'20' VERIFY STOP |
| | | 0010 3003 | ADCMATCH EQU X'10' STOP IF DATA MATCHES |
| | | 0008 3004 | ADCTBN EQU X'08' STOP IF BITS ARE ON |
| 04 | | 0004 3005 | ADCTBF EQU X'04' STOP IF BITS ARE OFF |
| | | 0002 3006 | ADCFND EQU X'02' ADDRESS COMPARE FOUND ON ILS |
| | | 0001 3007 | ADCDPRQ EQU X'01' ADDRESS COMPARE DUMP REQUEST 3 |
| 05 | | 3008 * | |
| | | 3009 * | EQUATE FOR SETTING OFF THE SOFTWARE ADDRESS COMPARE CONTROL BITS 3 |
| | | 00FC 3010 | ADCRESET EQU ADTASK+ADCREAL+ADCVRFY+ADCMATCH+ADCTBN+ADCTBF 3 |
| 06 | | 3011 * | |
| | | 3012 * | LOW BYTE TASK ATR ADDRESS OF VERIFY DATA |
| | | 3013 * | |
| 07 | | 3014 | ***** |
| | | 3015 | * END OF DIRECT AREA * |
| | | 3016 | ***** |
| 08 | | 0076 3017 | DIEND# EQU DIACCNTL+1 LABEL FOR NEXT AVAILABLE WORD IN DICT1 |
| | | 3018 | *** END OF EXPANSION ** |

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| #MAXRF CROSS-REFERENCE RESOLVER | | PAGE 38 | V09/11/81 12/08/81 00:29 |
| ERR LOC | OBJECT CODE | ADDR | STMT SOURCE STATEMENT |
| 02 | | 1243 * | LCS 07660000 |
| 03 | | 1245 | ***** |
| 04 | | 1246 * | EQU'S FOR LIBRARY CONTROL SECTOR (FIRST SECTOR OF DIRECTORY) |
| | | 1247 | ***** |
| 05 | | 0000 1248 | LCSLCHS EQU 0 LCS SWITCH |

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| #MAXRF CROSS-REFERENCE RESOLV | 01 | | | | |
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| 16 | XRF00170 A 004 03CA 0670 0614 0670 |
| 17 | XRF00175 A 001 03DD 0684 |
| 17 | XRF00180 A 003 03EF 0693 0203* |
| 17 | XRF00190 A 001 03F2 0696 |
| 17 | XRF00196 A 004 03F6 0702 0201* 0693 |
| 18 | XRF00198 A 004 03FA 0703 0202* |
| 18 | XRF00200 A 004 03FE 0704 0200* |
| 19 | XR1 C 001 0001 1364 0201 0239* 0398* 0399 0414* 0415 0418* 0419 0420 0422* 0427 0428 |
| 19 | 0429 0434* 0436 0438* 0443 0444 0445 0445* 0458* 0459 0461* |
| 19 | 0466 0467 0468 0468* 0474* 0476 0478* 0483 0484 0485 0485* 0531* |
| 19 | 0546* 0549* 0551 0551* 0609* 0616 0625 0627 0630 0670* 0686* 0687 |
| 20 | 0692 0702* |

D06

V09/11/81 12/08/81 00:29

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|--------------|------|--|
| 01 | | | | |
| 02 | | 3020 * | | TCB 07880000 |
| 02 | | 3021 | | ***** |
| 03 | | 3022 * | | T C B * |
| 03 | | 3023 | | ***** |
| 04 | | 3024 *00 | | * * * * * |
| 04 | | 3025 * | | STAT1 * STAT2 * WMASK * WMSK2 * STAT3 * PRIOR * TTIME * QCNT * |
| 04 | | 3026 | | ***** |
| 05 | | 3027 *08 | | * * * * * |
| 05 | | 3028 * | | CMPLQ * PUSH * CHAIN * RDYQ * |
| 05 | | 3029 | | ***** |
| 06 | | 3030 *10 | | * * * * * |
| 06 | | 3031 * | | XNTQ * RTUB * JCBa * CRB * |
| 06 | | 3032 | | ***** |
| 07 | | 3033 *18 | | * * * * * |
| 07 | | 3034 * | | axR1 * axR2 * aPRR * aTAR * |
| 07 | | 3035 | | ***** |
| 08 | | 3036 *20 | | * * * * * |
| 08 | | 3037 * | | PMR * PSR * R * Q * aINL1 * aINL2 * aINL3 * aINL4 * |
| 08 | | 3038 | | ***** |
| 09 | | 3039 *28 | | * * * * * |
| 09 | | 3040 * | | TSSN * BEGL * MSSIZ * RGSIZ * SPOOL * |
| 09 | | 3041 | | ***** |
| 10 | | 3042 *30 | | * * * * * |
| 10 | | 3043 * | | * * * * * |
| 10 | | 3044 | | ***** |
| 11 | | 3045 *38 | | * * * * * |
| 11 | | 3046 * | | ATRS * |
| 11 | | 3047 | | ***** |
| 12 | | 3048 *40 | | * * * * * |
| 12 | | 3049 * | | * * * * * |
| 12 | | 3050 | | ***** |
| 13 | | 3051 *48 | | * * * * * |
| 13 | | 3052 * | | * * * * * |
| 13 | | 3053 | | ***** |
| 14 | | 3054 *50 | | * * * * * |
| 14 | | 3055 * | | TTC * TWA * WSWA * LDREL * |
| 14 | | 3056 | | ***** |
| 15 | | 3057 *58 | | * * * * * |
| 15 | | 3058 * | | LDOSK * INVCT * ASGQ * EXIT * |
| 15 | | 3059 | | ***** |
| 16 | | 3060 *60 | | * * * * * |
| 16 | | 3061 * | | TQE * |
| 16 | | 3062 | | ***** |
| 17 | | 3063 *68 | | * * * * * |
| 17 | | 3064 * | | SQBCT * LCKMK * SSTID * TSKID * PRIQ * STAT4 * STAT5 * |
| 17 | | 3065 | | ***** |
| 18 | | 3066 *70CATM | | * * * * * |
| 18 | | 3067 * | | AWSCNT * CAT * MRMK * NSCNT * CNCNT * IQCNT * ARQCT * STAT6 * |
| 18 | | 3068 | | ***** |
| 19 | | 3069 *78 | | * * * * * |
| 19 | | 3070 * | | BAT * SUSPS * SNIPT * TWAST * X * |
| 19 | | 3071 | | ***** |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
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| 02 | 07660000 | 1276 * | | DIREQ 07680000 |
| 03 | | 1278 | | ***** |
| 03 | | 1279 * | | * * * * * |
| 04 | | 1280 * | | EQU'S FOR LIBRARY DIRECTORY ENTRY |
| 04 | | 1281 * | | * * * * * |
| 05 | | 1282 | | ***** |
| 05 | | 0000 | 1284 | DIRTYPE EQU 0 DIR TYPE |

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| 16 | aa224 | PI0441 | SS AD | 04 10/18/78 | SDD 47V | 16 |
| | aa238 | PI0504 | SS SP | 05 12/12/78 | DBM 47E | |
| 17 | aa255 | PI0702 | CSP | 07 01/25/79 | TJL 49D | 17 |
| | aa344 | PI0551 | CSP | 05 06/15/79 | SDD 47V | |
| 18 | aa419 | PI0802 | SSP | 08 01/11/80 | JWB 47N | 18 |
| | aa459 | PI0740 | SSP | 07 02/05/80 | RJJ 47N | |
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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
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| 02 | | 0040 3127 | TCBCHKPT EQU | X'40' . THIS TASK IS BEING CHECKPOINTED |
| | | 0020 3128 | TCBEXTRA EQU | X'20' . EXTENDED TRACE ACTIVE |
| | | 0010 3129 | TCBCCALL EQU | X'10' . CLOSE HAS BEEN CALLED INDICATOR |
| 03 | | 0008 3130 | TCBKCALL EQU | X'08' . KEYSORT HAS BEEN CALLED INDICATOR |
| | | 0004 3131 | TCBSUSPD EQU | X'04' . SUSPEND FROM SYS OPERATOR PENDING |
| | | 0002 3132 | TCBMEPD EQU | X'02' . DATA MODE ESCAPE PENDING |
| 04 | | 0001 3133 | TCBINQPD EQU | X'01' . INQUIRY PENDING |
| | | 0005 3135 | TCBPRIOR EQU | TCBSTAT3+1 QUEUEING PRIORITY |
| 05 | | 00FF 3137 | TCBPRINV EQU | X'FF' INVALID PRIORITY(CAN NOT BE USED) |
| | | 00FC 3138 | TCBPRCP EQU | X'FC' COMMAND PROCESSOR PRIORITY |
| 06 | | 00FO 3139 | TCBPRSP EQU | X'FO' SPOOL PRIORITY |
| | | 00FO 3140 | TCBPRMR EQU | X'FO' MRJE PRIORITY |
| | | 00F4 3141 | TCBPRBSC EQU | X'F4' BCS PRIORITY |
| 07 | | 00F3 3142 | TCBPREM EQU | X'F3' 3270 EMULATION PRIORITY |
| | | 00FO 3143 | TCBPREXT EQU | X'FO' EXTENDED TRACE PRIORITY |
| | | 00F4 3144 | TCBPRITH EQU | X'F4' BCS PRIORITY FOR 3270 I/H |
| 08 | | 00F8 3145 | TCBPRSDP EQU | X'F8' SDLC PRIORITY (PRIMARY) |
| | | 00F9 3146 | TCBPRSDS EQU | X'F9' SDLC PRIORITY (SECONDARY) |
| | | 00FO 3147 | TCBPRSN1 EQU | X'FO' SNA 1 PRIORITY |
| 09 | | 00FO 3148 | TCBPRSNR EQU | X'FO' SNA 2 PRIORITY |
| | | 00FO 3149 | TCBPRBLD EQU | X'FO' REBUILD PRIORITY |
| | | 00FO 3150 | TCBPRSRJ EQU | X'FO' SRJE PRIORITY |
| 10 | | 00FO 3151 | TCBPRSNF EQU | X'FO' SNUF SUBSYSTEM PRIORITY |
| | | 00FO 3152 | TCBPRPER EQU | X'FO' SNA PEER SUBSYSTEM PRIORITY |
| | | 00FO 3153 | TCBPRCCP EQU | X'FO' CCP SUBSYSTEM PRIORITY |
| 11 | | 00FO 3154 | TCBPRCIC EQU | X'FO' CICS SUBSYSTEM PRIORITY |
| | | 00FO 3155 | TCBPRIMS EQU | X'FO' IMS SUBSYSTEM PRIORITY |
| | | 00FO 3156 | TCBPRBEL EQU | X'FO' BSCCL SUBSYSTEM PRIORITY |
| 12 | | 00FO 3157 | TCBPRINT EQU | X'FO' INTRA SUBSYSTEM PRIORITY |
| | | 00FO 3158 | TCBPRBTS EQU | X'FO' BSC 3270 PRIORITY |
| | | 00FO 3159 | TCBPRGCE EQU | X'FO' MLCA CONTROLLER CHECK ERROR ROUTINE |
| 13 | | 00FB 3160 | TCBPRSMF EQU | X'FB' SMF PRIORITY |
| | | 00F1 3161 | TCBPRODF EQU | X'F1' SOURCE DOFF PRIORITY *KEEP UNIQUE* |
| | | 0000 3162 | TCBPRSWT EQU | X'00' SMF WAIT TASK PRIORITY |
| 14 | | 00E0 3163 | TCBPRUDH EQU | X'E0' USER DEFINED HIGH PRIORITY |
| | | 00D1 3164 | TCBPRUDM EQU | X'D1' MEDIUM PRIORITY |
| | | 3165 * | | USE TCBPRUDM FOR THE SVCPRIQ (CHAP) SVC. IN THE TCB, THE VALUE IN |
| 15 | | 3166 * | | TCBPRIOR WILL BE TCBPRCNV AND BIT TCBUDMPR WILL BE SET IN TCBBAT. |
| | | 00DD 3167 | TCBPRCNV EQU | X'D0' CONVERSATIONAL PRIORITY |
| | | 00CC 3168 | TCBPRBCH EQU | X'CO' BATCH PRIORITY |
| 16 | | 3169 * | | NORMAL (DEFAULT) USER TASK PRIORITY IS TCBPRCNV DYNAMICALLY |
| | | 3170 * | | CHANGED TO/FROM TCBPRBCH BE THE SYSTEM SUPERVISOR. |
| | | 00B0 3171 | TCBPRUDL EQU | X'BO' LOW PRIORITY |
| 17 | | 0006 3173 | TCBTTIME EQU | TCBPRIOR+1 TASK RESIDUAL TIME INTERVAL. |
| | | 0007 3175 | TCBQCNT EQU | TCBTTIME+1 QUIESCE COUNTER |
| 18 | | 0009 3176 | TCBQPLQ EQU | TCBQCNT+2 TASK EVENT CONTROL QUEUE HEADER |
| | | 3177 * | | AAAAAAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAA |
| 19 | | 000B 3179 | TCBPUSH EQU | TCBQPLQ+2 PUSH ELEMENT Q-HEADER |
| 20 | | 000D 3180 | TCBCHAIN EQU | TCBPUSH+2 SYSTEM EXISTENCE QUEUE CHAINING FIELD |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
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| 02 | | 1338 * | FMTIX | |
| | | 1339 * | | ***** 07700000 |
| 03 | | 1340 * | LABELS AND DISPLACEMENTS INTO FORMAT INDEX FOR USER REQUESTS * | |
| | | 1341 * | | ***** |
| 04 | | 0007 1343 | FMTNME EQU | 0+7 FORMAT NAME |
| | | 0008 1344 | FMTSST EQU | FMTNME+1 START OF SYSTEM FORMAT INDEX |
| | | 000A 1345 | FMTSA EQU | FMTSST+2 SECTOR ADDRESS OF FORMAT |
| 05 | | 000B 1346 | FMTSB EQU | FMTSA+1 SECTOR ADDRESS OF FORMAT |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
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| 000F | 3181 | TCBRDYQ | EQU | TCBCHAIN+2 | SYSTEM READY QUEUE CHAINING FIELD |
| 000F | 3182 | TCBSWAPQ | EQU | TCBRDYQ | SYSTEM READY QUEUE SPECIAL EQUATE |
| 0011 | 3183 | TCBXNTQ | EQU | TCBRDYQ+2 | SYSTEM TRANSIENT QUEUE CHAINING FIELD |
| 0013 | 3184 | TCBRTUB | EQU | TCBXNTQ+2 | TUB ADDRESS OF REQUESTOR |
| 3186 *VVVVVVVVVVV THE FOLLOWING FIELDS ARE ORDER DEPENDENT VVVVVVVVVVVV | | | | | |
| 0015 | 3187 | TCBJCBA | EQU | TCBRTUB+2 | ADDRESS OF TASK JOB CONTROL BLOCK |
| 0017 | 3188 | TCBCRB | EQU | TCBJCBA+2 | CURRENT REQUEST BLOCK POINTER |
| 0018 | 3189 | TCBXRSE | EQU | TCBCRB+1 | REGISTER SAVE ELEMENT (LEFT BYTE) |
| 0019 | 3190 | TCBXR1 | EQU | TCBCRB+2 | . CURRENT XR1 |
| 0018 | 3191 | TCBXR2 | EQU | TCBXR1+2 | . CURRENT XR2 |
| 001D | 3192 | TCBARR | EQU | TCBXR2+2 | . CURRENT ARR |
| 001F | 3193 | TCB@IAR | EQU | TCBARR+2 | . CURRENT IAR |
| 0021 | 3194 | TCB@PSR | EQU | TCB@IAR+2 | . CURRENT PSR/PSR |
| 0023 | 3195 | TCB@RQ | EQU | TCB@PSR+2 | . CURRENT R AND Q BYTES |
| 0024 | 3196 | TCB@INL1 | EQU | TCB@RQ+1 | . IN.LINE PARM 1 |
| 0025 | 3197 | TCB@INL2 | EQU | TCB@INL1+1 | . IN.LINE PARM 2 |
| 0026 | 3198 | TCB@INL3 | EQU | TCB@INL2+1 | . IN.LINE PARM 3 |
| 0027 | 3199 | TCB@INL4 | EQU | TCB@INL3+1 | . IN.LINE PARM 4 |
| 0027 | 3200 | TCBRSE | EQU | TCBCRB+16 | CURRENT REGISTER SAVE ELEMENT |
| 3201 *AAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAAAAA | | | | | |
| 3203 *VVVVVVVVVVV THE FOLLOWING FIELDS ARE ORDER DEPENDENT VVVVVVVVVVVV | | | | | |
| 002A | 3204 | TCBTSSN | EQU | TCBRSE+3 | TASK DISK ADDR IN SWAP AREA. |
| 002B | 3205 | TCBBEGL | EQU | TCBTSSN+1 | LOGICAL PROGRAM BEGIN ATR NUMBER. |
| 002B | 3206 | TCBECMGW | EQU | TCBBEGL | FOUR BYTE ECM FOR CP WSQS FAILURES |
| 002C | 3207 | TCB@SSIZ | EQU | TCBBEGL+1 | CURRENT SIZE OF MAIN STORE ALLOCATED. |
| 002D | 3208 | TCB@RSIZ | EQU | TCB@SSIZ+1 | TASK REGION SIZE (MAX. TCB@SSIZ) |
| 3209 *AAAAAAAAAAAA THE ABOVE FIELDS ARE ORDER DEPENDENT AAAAAAAAAAAAAAAAAAAAA | | | | | |
| 002F | 3211 | TCB@POOL | EQU | TCB@RSIZ+2 | SPOOL WORK AREA ADDR |
| 002F | 3212 | TCB@ECMER | EQU | TCB@POOL | SPECIAL ECM FOR CP ERRORS. |
| 002F | 3213 | TCB@QHDR | EQU | TCB@POOL | USED AS SPECIAL SYSTEM Q HEADER. |
| 004F | 3214 | TCB@TRS | EQU | TCB@POOL+32 | ATR STACK SAVE AREA |
| 0051 | 3215 | TCB@TTC | EQU | TCB@TRS+2 | TASK-TASK COMMUNICATIONS AREA |
| 0053 | 3216 | TCB@TWA | EQU | TCB@TTC+2 | DISK ADDRESS OF TASK WORK AREA |
| 0055 | 3217 | TCB@SWA | EQU | TCB@TWA+2 | DISK ADDRESS OF SESSION WORK AREA |
| 0057 | 3218 | TCB@DREL | EQU | TCB@SWA+2 | TASK RELOCATION FACTOR FOR LOADER |
| 0057 | 3219 | TCB@MIC | EQU | TCB@DREL | ABTERM ERR MIC |
| 005A | 3220 | TCB@DISK | EQU | TCB@DREL+3 | TASK ABSOLUTE DISK ADDR FOR LOADER |
| 0059 | 3221 | TCB@IAR | EQU | TCB@DISK-1 | SAVE IAR ON ABTERM |
| 005B | 3222 | TCB@INVCT | EQU | TCB@DISK+1 | TASK INVITE COUNT |
| 005D | 3223 | TCB@ASGNQ | EQU | TCB@INVCT+2 | ASSIGNED ELEMENTS QUEUE |
| 005F | 3224 | TCB@EXIT | EQU | TCB@ASGNQ+2 | ASYNCHRONOUS EXIT ADDRESS. |
| 005F | 3225 | TCB@FAIL | EQU | TCB@EXIT | CP ASSIGN FAILURE INDICATOR BYTES |
| 0067 | 3226 | TCB@TQE | EQU | TCB@EXIT+8 | TIMER QUEUE ELEMENT. |
| 0068 | 3227 | TCB@QBCT | EQU | TCB@TQE+1 | COUNT OF SECTOR QUEUE REQUESTS |
| 0069 | 3228 | TCB@LCKPK | EQU | TCB@QBCT+1 | COUNT OF LOCK REQUESTS |
| 0080 | 3229 | TCB@LCKDI | EQU | X'80' | INTERLOCK FOR DEDICATION |
| 0040 | 3230 | TCB@LCKSI | EQU | X'40' | INTERLOCK FOR SCHEDULER |
| 0020 | 3231 | TCB@LCKVI | EQU | X'20' | INTERLOCK FOR VTDC |
| 0010 | 3232 | TCB@LCKSI | EQU | X'10' | INTERLOCK FOR FORMAT 5 |
| 0008 | 3233 | TCB@LCKPI | EQU | X'08' | INTERLOCK FOR PROC NAME |
| 0004 | 3234 | TCB@LCKHI | EQU | X'04' | INTERLOCK FOR HISTORY FILE |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
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| 1362 | * | | #EQU | | |
| 1363 | * | | | | |
| 0001 | 1364 | XR1 | EQU | 1 | REGISTER ONE |
| 0002 | 1365 | XR2 | EQU | 2 | REGISTER TWO |
| 0004 | 1366 | PSR | EQU | 4 | PROGRAM STATUS REGISTER |
| 0008 | 1367 | ARR | EQU | 8 | ADDRESS RECALL REGISTER |
| 0010 | 1368 | IAR | EQU | 16 | INSTRUCTION ADDRESS REGISTER |
| 0001 | 1369 | IOB | EQU | 1 | IOB POINTER |
| 0002 | 1370 | DTF | EQU | 2 | DTF POINTER |

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| #MAXRF CROSS-REFERENCE RESOLVER | PAGE 79 V09/11/81 12/08/81 00:29 |
| ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 0002 3235 | TCBLCKSP EQU X'02' INTERLOCK FOR SPOOL FILE |
| 3236 * | EQU X'01' INTERLOCK FOR RESERVED |
| 006A 3238 | TCBSSTID EQU TCBLCKM*1 SHARED STORAGE TASK IDSK BITS |
| 006B 3240 | TCBTSKID EQU TCBSSSTID+1 TASK ID |
| 00E4 3242 | TCBIDACT EQU X'E4' AUTOCALL TASK ID 6 |
| 00E5 3243 | TCBIDITH EQU X'E5' BSC IH FOR 3270 EMULATION TASK ID |
| 00E6 3244 | TCBIDBTS EQU X'E6' BSC 3270 SUBSYSTEM TASK ID |
| 00E7 3245 | TCBIDSNR EQU X'E7' SNA 3270 SUBSYSTEM TASK ID |
| 00E8 3246 | TCBIDGCE EQU X'E8' MLCA CONTROLLER CHECK ERROR TASK ID |
| 00E9 3247 | TCBIDSNF EQU X'E9' SNUF SUBSYSTEM TASK ID |
| 00EA 3248 | TCBIDPER EQU X'EA' SNA PEER SUBSYSTEM TASK ID |
| 00EB 3249 | TCBIDCCP EQU X'EB' CCP SUBSYSTEM TASK ID |
| 00EC 3250 | TCBIDCIC EQU X'EC' CICS SUBSYSTEM TASK ID |
| 00ED 3251 | TCBIDIMS EQU X'ED' IMS SUBSYSTEM TASK ID |
| 00EE 3252 | TCBIDBEL EQU X'EE' BSCCL SUBSYSTEM TASK ID |
| 00EF 3253 | TCBIDINT EQU X'EF' INTRA SUBSYSTEM TASK ID |
| 00F0 3254 | TCBIDCP EQU X'F0' COMMAND PROCESSOR TASK ID |
| 3255 * | EQU X'F1' RESERVED |
| 00F2 3256 | TCBIDJQ EQU X'F2' JOB QUEUE TASK ID |
| 00F3 3257 | TCBIDFS EQU X'F3' SNA FINANCE SUPPORT ID |
| 00F4 3258 | TCBIDMR EQU X'F4' MRJE TASK ID |
| 00F5 3259 | TCBIDBSC EQU X'F5' BSC TASK ID |
| 00F6 3260 | TCBIDSDP EQU X'F6' SDLC TASK ID |
| 00F8 3261 | TCBIDSDS EQU X'F8' SDLC TASK ID |
| 00F7 3262 | TCBIDSN1 EQU X'F7' SNA TASK ID |
| 00F8 3263 | TCBIDSNR EQU X'F8' SNA TASK ID |
| 00F9 3264 | TCBIDBLD EQU X'F9' REBUILD TASK ID |
| 00FA 3265 | TCBIDSRJ EQU X'FA' SRJE TASK ID |
| 00FD 3266 | TCBIDIBS EQU X'FD' INTERACTIVE BSC TASK ID |
| 00FC 3267 | TCBID44 EQU X'FC' SNA 44 TASK ID |
| 00FE 3268 | TCBIDGA EQU X'FE' GAIGI TASK ID |
| 00EO 3269 | TCBMAXID EQU X'EO' MAXIMUM USER ID |
| 006D 3271 | TCBPRIQ EQU TCBTSKID+2 TCB PRIORITY QUEUE CHAINING FIELD |
| 006E 3273 | TCBSTAT4 EQU TCBPRIQ+1 ADDITIONAL TCB STATUS |
| 0080 3275 | TCBSHDR EQU X'80' SHUTDOWN RETURN CODE DELIVERED |
| 0040 3276 | TCBATTCH EQU X'40' ATTACH YES |
| 0020 3277 | TCBSYSM EQU X'20' SYSTEM TASK - NOT SUSPENDABLE |
| 0010 3278 | TCBABTRM EQU X'10' TASK IS IN ABNORMAL TERMINATION |
| 0008 3279 | TCB22RCS EQU X'08' RECURSIVE TERMINATION DUE TO SVC 22 |
| 0004 3280 | TCBNLDP EQU X'04' CANCEL PENDING |
| 0004 3281 | TCBNACL EQU X'04' C.P. CALLED FOR TWA RECOVERY |
| 0002 3282 | TCBHMPPT EQU X'02' ERROR ON DUMP - PARTIAL DUMP TAKEN |
| 0001 3283 | TCBHMPD EQU X'01' DUMP PENDING ON CANCEL |
| 006F 3285 | TCBSTAT5 EQU TCBSTAT4+1 STATUS BYTE 5 |
| 0080 3287 | TCBTHBIT EQU X'80' TASK HAS BEEN IN TERMINATION |
| 0040 3288 | TCBN2PD EQU X'40' 2 OPTION CANCEL PENDING |

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| #MAXRF CROSS-REFERENCE RESOLVER |
| ERR LOC OBJECT CODE |
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| 42 V09/11/81 12/08/81 00:29 |
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| #MAXRF CROSS-REFERENCE RESOLVER | PAGE 43 V09/11/81 12/08/81 00:29 |
| ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 1414 * | \$LOGD |
| 1415 * | SYSLOG PARAMETER LIST FUNCTION BYTE FOR TYPES 1,1R,2,2R,3 AND 4 |
| 0000 1417 | \$LOGFN1 EQU 0 SYSLOG FUNCTION BYTE (BITS 0-3) |
| 0001 1418 | \$LOGFN1 EQU 1 LENGTH |
| 0080 1419 | \$LOGMSEGM EQU X'80' .ON - OUTPUT FROM MSG MEMBER |
| 1420 * | .OFF- OUTPUT FROM USER PROGRAM |
| 0040 1421 | \$LOGMSRT EQU X'40' .ON - WORKSTATION ROUTING |
| 1422 * | .OFF- SYSTEM COMMON ROUTING |

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| #MAXRF CROSS-REFERENCE RESOLVER |
| ERR LOC OBJECT CODE |
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#MAXRF CROSS-REFERENCE RESOLVER PAGE 80 V09/11/81 12/08/81 00:29

#MAXRF CROSS-REFERENCE RESOLVER

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|----------|--------|--|
| 02 | 0020 | 3289 | TCBCN3PD | EQU | X'20' 3 OPTION CANCEL PENDING |
| | 0010 | 3290 | TCBMABTM | EQU | X'10' TASK IS IN ABNORMAL TERMINATION |
| 03 | 0008 | 3291 | TCBMSAFL | EQU | X'08' 2 OPTION-FLUSH PROC |
| | 0004 | 3292 | TCBMSTAB | EQU | X'04' 2 OPTION-CONTINUE PROC |
| | 0002 | 3293 | TCBAEDED | EQU | X'02' TAKE ASYNC EXIT ON ERROR ONLY |
| | 0001 | 3294 | TCBKOK | EQU | X'01' DISKETTE ORIENT HAS BEEN PROCESSED |
| 04 | 0070 | 3296 | TCBAWSCT | EQU | TCBSTAT5+1 ALLOCATED WORK STATION COUNT |
| | 0070 | 3297 | TCBCATM | EQU | TCBAWSCT CURRENT ACTIVE TERMINAL COUNT |
| 05 | 0071 | 3298 | TCBCAT | EQU | TCBAWSCT+1 CURRENT ACTIVE TERMINAL VARIABLE |
| | 0072 | 3299 | TCBMRMX | EQU | TCBCAT+1 MRT MAXIMUM REQUESTORS ALLOWED |
| 06 | 0073 | 3300 | TCBNSCNT | EQU | TCBMRMX+1 NOT SWAPPABLE COUNTER |
| | 0074 | 3301 | TCBNCNT | EQU | TCBNSCNT+1 NOT CANCELABLE COUNTER |
| 07 | 0075 | 3303 | TCBIQCNT | EQU | TCBNCNT+1 NOT INQUIRABLE COUNT |
| | 0076 | 3305 | TCBARQCT | EQU | TCBIQCNT+1 ACTIVE REQUESTOR COUNT |
| | 0077 | 3306 | TCBSTAT6 | EQU | TCBARQCT+1 STATUS BYTE 6 |
| 08 | 0080 | 3308 | TCBATNS | EQU | X'80' TASK ATTACHED NON-SWAPPABLE |
| 09 | 0040 | 3309 | TCBDSKTR | EQU | X'40' DISKETTE CANCEL RECURSION INDICATOR |
| | 0020 | 3310 | TCBDUMP | EQU | X'20' DUMP SHOULD BE TAKEN INDICATOR |
| | 0010 | 3311 | TCBSFILK | EQU | X'10' SECURITY-INITIATOR INTERLOCK. |
| 10 | 0008 | 3312 | TCBDUMP | EQU | X'08' NO DUMP WAS TAKEN FOR ERROR CONDITION |
| | 0004 | 3313 | TCBSILK | EQU | X'04' WORKSTATION QUEUE SPACE INTERLOCK |
| | 0002 | 3314 | TCBSMARQ | EQU | X'02' SNA REQUIRED |
| | 0001 | 3315 | TCBDED | EQU | X'01' DEDICATION OVERRIDE INDICATOR. |
| 11 | 0078 | 3317 | TCBBAT | EQU | TCBSTAT6+1 BATCH ACTIVE TIMEOUT COUNT |
| 12 | 0080 | 3318 | TCBDMPR | EQU | X'80' MEDIUM PRIORITY (SEE TCBPRIOR) |
| | 0005 | 3319 | BATCOUNT | EQU | 5 NUMBER OF TIMEOUTS ALLOWED. |
| | | 3320 | | | * ONLY BITS 1-7 APPLY TO BATCOUNT. |
| 13 | 0079 | 3322 | TCBSUSPS | EQU | TCBBAT+1 SUSPENSION STATUS INDICATOR |
| 14 | 0080 | 3324 | TCBSPUNK | EQU | X'80' TASK SUSPENDED DUE TO UNLOCK |
| | 0040 | 3325 | TCBSDTSD | EQU | X'40' TASK SUSPENDED DUE TO SYSTEM OPERATOR |
| | 0020 | 3326 | TCBINQSP | EQU | X'20' TASK SUSPENDED DUE TO INQUIRY |
| 15 | 0010 | 3327 | TCBSPLSP | EQU | X'10' TASK SUSPENDED DUE TO SPOOL SUS/RES |
| | 0002 | 3328 | TCBSDTAC | EQU | X'02' TASK SUSPENDED DUE TO ADDRESS COMPARE |
| | 0001 | 3329 | TCBWIQSP | EQU | X'01' TASK SUSPENDED DUE TO WS I/O ERROR |
| 16 | 007A | 3331 | TCBWAFLG | EQU | TCBSUSPS+1 WSWA INITIALIZATION STATUS. |
| 17 | | 3333 | | | * SEE TUB MACRO (BYTE TUBWAFLG) FOR BIT DEFINITIONS WITHIN TCBWAFLG. |
| 18 | 007C | 3335 | TCBSMFPT | EQU | TCBWAFLG+2 SMF POINTER |
| | | 3336 | | | * THE FOLLOWING EQUATE IS USED TO SET ON THE X'80' BIT IN THE HIGH |
| | | 3337 | | | * BYTE OF THE SMF POINTER FIELD. CURRENTLY THIS FIELD IS USED AS |
| | | 3338 | | | * A SWAP-IN COUNTER INSTEAD OF AN ADDRESS FIELD. |
| 19 | 0080 | 3339 | TCBSMFDN | EQU | X'80' SMF HAS PROCESSED THIS TCB |
| | | 3340 | | | * |
| 20 | 007D | 3342 | TCBX | EQU | TCBSMFPT+1 AMOUNT OF TASK SWAPPED OUT |

| ERR LOC | OBJECT CODE | ADDR | STMT |
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| 02 | | 007E | 334 |
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| 03 | | 0080 | 334 |
| | | 0040 | 334 |
| 04 | | 0080 | 334 |
| | | 335 | |
| 05 | | FFFF | 335 |
| | | 2144 | LENGTH OF MODULE IS |

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#MAXRF CROSS-REFERENCE RESOLVER PAGE 44 V09/11/81 12/08/81 00:29

#MAXRF CROSS-REFERENCE RESOLVER

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|------------|--------|------------------------------|
| 02 | 0002 | 1468 | \$LGM RPG | EQU | X'02' .RPG |
| | 0003 | 1469 | \$LGM AUTO | EQU | X'03' .AUTO |
| 03 | 0004 | 1470 | \$LGM SEU | EQU | X'04' .SOURCE ENTRY UTILITY |
| | 0005 | 1471 | \$LGM SORT | EQU | X'05' .SOURCE ENTRY UTILITY |
| | 0006 | 1472 | \$LGM DFU | EQU | X'06' .DATA FILE UTILITY |
| 04 | 0007 | 1473 | \$LGM WSU | EQU | X'07' .WORK STATION UTILITY |
| | 0008 | 1474 | \$LGM ASS | EQU | X'08' .ASSEMBLER |
| | 0009 | 1475 | \$LGM FOR | EQU | X'09' .FORTRAN |
| | 0008 | 1476 | \$LGM JED | EQU | X'08' .JED CARD DECK UTILITY |

| ERR LOC | OBJECT CODE | ADDR | STMT |
|---------|-------------|------|------|
| 02 | | 000F | 152 |
| | | 000F | 152 |
| 03 | | 0002 | 152 |
| | | 0010 | 152 |
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| | | 000B | 152 |

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##MAXRF CROSS-REFERENCE RESOLVER PAGE 81 V09/11/81 12/08/81 00:29

01 ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

02 007E 3344 TCBSTAT7 EQU TCBX+1 TCB STATUS BYTE 7
3345 *

03 0080 3346 TCBSWPTR EQU X'80' SPOOL WRITER ID
0040 3347 TCBSPLRS EQU X'40' SPOOL TERMINATION

04 0080 3349 TCBLEN EQU TCBSTAT7+2 LENGTH OF TCB + EXPANSION.
3350 *** END OF EXPANSION **
3351 */*.END CHANGE ACTIVITY - ##MAXRF

05 FFFF 3352 END 07890000
LENGTH OF MODULE IS 2144 07900000

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| SYMBOL | T | LEN | VALUE | DEFN | REF |
|-----------|---|-----|-------|------|------|
| \$FDCONTL | C | 001 | 00A0 | 0806 | |
| \$FDATA | C | 001 | 0000 | 0821 | |
| \$FDENQ | C | 001 | 0008 | 0796 | |
| \$FDEQUAL | C | 001 | 0000 | 0830 | |
| \$FDHIGH | C | 001 | 0002 | 0832 | |
| \$FDLOW | C | 001 | 0001 | 0831 | |
| \$FDMSG | C | 001 | 0020 | 0794 | |
| \$FDNER | C | 001 | 0080 | 0792 | |
| \$FDNLOG | C | 001 | 0010 | 0795 | |
| \$FDNORM | C | 001 | 0040 | 0774 | |
| \$FDNRET | C | 001 | 0040 | 0793 | |
| \$FDNVR | C | 001 | 0002 | 0798 | |
| \$FDPERR | C | 001 | 0041 | 0776 | |
| \$FDREAD | C | 001 | 00A1 | 0807 | 0242 |
| \$FDRSRV2 | C | 001 | 0004 | 0797 | |
| \$FDRSRV3 | C | 001 | 0001 | 0799 | |
| \$FDSCAN | C | 001 | 00A3 | 0809 | |
| \$FDSCEQ | C | 001 | 0044 | 0778 | |
| \$FDSCHT | C | 001 | 0040 | 0775 | |
| \$FDSCNH | C | 001 | 0042 | 0777 | |
| \$FDSEEK | C | 001 | 0000 | 0817 | |
| \$FDVER | C | 001 | 0003 | 0826 | |
| \$FDWRAP | C | 001 | 0080 | 0822 | |
| \$FDWRITE | C | 001 | 00A2 | 0808 | 0246 |
| \$FDXLATE | C | 001 | 0040 | 0762 | |
| \$IOBDCB | C | 001 | 0016 | 0740 | |
| \$IOBDCMD | C | 001 | 0003 | 0723 | 0242 |
| \$IOBDCMP | C | 001 | 0001 | 0721 | |
| \$IOBDDAT | C | 001 | 0007 | 0726 | 0244 |
| \$IOBDDCH | C | 001 | 0010 | 0747 | |
| \$IOBDDTF | C | 001 | 001F | 0748 | |
| \$IOBDECM | C | 001 | 0000 | 0720 | |
| \$IOBDERR | C | 001 | 0012 | 0736 | |
| \$IOBDFLG | C | 001 | 0002 | 0722 | |
| \$IOBDFL2 | C | 001 | 0009 | 0728 | |
| \$IOBDLEN | C | 001 | 001C | 0743 | |
| \$IOBDLSP | C | 001 | 0018 | 0742 | 0743 |
| \$IOBDMDR | C | 001 | 0004 | 0724 | |
| \$IOBDNB | C | 001 | 0008 | 0727 | 0241 |
| \$IOBDRSV | C | 001 | 0013 | 0737 | |
| \$IOBDRS2 | C | 001 | 0014 | 0738 | |
| \$IOBDRS3 | C | 001 | 0015 | 0739 | |
| \$IOBDSBO | C | 001 | 000A | 0729 | |
| \$IOBDSB2 | C | 001 | 000C | 0731 | |
| \$IOBDSB3 | C | 001 | 000D | 0732 | |
| \$IOBDSB4 | C | 001 | 000E | 0733 | |
| \$IOBDSB5 | C | 001 | 000F | 0734 | |
| \$IOBDSS | C | 001 | 0018 | 0741 | 0240 |
| \$IOBDTCB | C | 001 | 0011 | 0735 | |
| \$IOBDUAD | C | 001 | 0005 | 0725 | |
| \$IOBDSB1 | C | 001 | 000B | 0730 | |
| \$LDAMTD | C | 001 | 0010 | 0959 | |

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##MAXRF CROSS-REFERENCE RESOLVER PAGE 45 V09/11/81 12/08/81 00:29

01 ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT

02 000F 1522 \$LGD7B1R EQU \$LGDORAD+2 TUB ADDRESS FOR TYPE 1R
000F 1523 \$LGDSC1R EQU \$LGDORAD+2 SUBCONSOLE ID FIELD FOR TYPE 1R

03 0002 1524 \$LGLT1R EQU 2 LENGTH OF TUB OR SUBCONSOLE FLD
0010 1525 \$LGLT1RL EQU \$LGD7B1R+1 LENGTH TYPE 1R PARAMETER LIST

04 1527 * MESSAGE LENGTH AND ADDRESS EQUATES FOR TYPE 3 ONLY

000B 1529 \$LGD3LEN EQU \$LGDACT+1 LENGTH OF MSG(MAX=132 BYTES)

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| ERR LOC | OBJECT CODE | ADDR | STMT |
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| | | 000B | 1576 |
| | | 0002 | 1577 |
| | | 000A | 1578 |
| | | 000A | 1579 |
| | | 0002 | 1580 |
| | | 000B | 1581 |

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|----|--------|---|----|----------|
| 15 | 42 */* | MODULE SIZE = 2K | */ | 00370000 |
| 16 | 43 */* | | */ | 00380000 |
| 16 | 44 */* | ATTRIBUTES = NOT REFRESHABLE | */ | 00400000 |
| | 45 */* | | */ | 00410000 |
| 17 | 46 */* | ENTRY POINT = MGR00000 IS ONLY ENTRY POINT | */ | 00420000 |
| | 47 */* | | */ | 00430000 |
| | 48 */* | PURPOSE = RETRIEVE SPECIFIED MESSAGE FROM SPECIFIED | */ | 00440000 |
| 18 | 49 */* | MESSAGE MEMBER | */ | 00450000 |
| | 50 */* | | */ | 00460000 |
| | 51 */* | LINKAGE = TRANSIENT CALL | */ | 00470000 |
| 19 | 52 */* | XR2 -> MESSAGE RETRIEVE PARAMETER LIST (MCLEQ) | */ | 00480000 |
| | 53 */* | | */ | 00490000 |
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| CROSS-REFERENCE | | | | |
|-----------------|---|-----|-------|--|
| SYMBOL | T | LEN | VALUE | DEFN REFERENCES |
| \$FDCONTL | C | 001 | 00A0 | 0806 |
| \$FDDATA | C | 001 | 0000 | 0821 |
| \$FDENQ | C | 001 | 0008 | 0796 |
| \$FDEQUAL | C | 001 | 0000 | 0830 |
| \$FDHIGH | C | 001 | 0002 | 0832 |
| \$FDLOW | C | 001 | 0001 | 0831 |
| \$FDMSG | C | 001 | 0020 | 0794 |
| \$FDNER | C | 001 | 0080 | 0792 |
| \$FDNLOG | C | 001 | 0010 | 0795 |
| \$FDNORM | C | 001 | 0040 | 0774 |
| \$FDNRET | C | 001 | 0040 | 0793 |
| \$FDNVR | C | 001 | 0002 | 0798 |
| \$FDPERR | C | 001 | 0041 | 0776 |
| \$FDREAD | C | 001 | 00A1 | 0807 0242 0248 0532 |
| \$FDRSRV2 | C | 001 | 0004 | 0797 |
| \$FDRSRV3 | C | 001 | 0001 | 0799 |
| \$FDSCAN | C | 001 | 00A3 | 0809 |
| \$FDSCEQ | C | 001 | 0044 | 0778 |
| \$FDSCHT | C | 001 | 0040 | 0775 |
| \$FDSCNH | C | 001 | 0042 | 0777 |
| \$FDSEEK | C | 001 | 0000 | 0817 |
| \$FDVER | C | 001 | 0003 | 0826 |
| \$FDWRAP | C | 001 | 0080 | 0822 |
| \$FDWRITE | C | 001 | 00A2 | 0808 0246 0671 |
| \$FDXLATE | C | 001 | 0040 | 0762 |
| \$IOBDCB | C | 001 | 0016 | 0740 |
| \$IOBDCMD | C | 001 | 0003 | 0723 0242* 0246* 0248* 0532* 0671* |
| \$IOBDCMP | C | 001 | 0001 | 0721 |
| \$IOBDDAT | C | 001 | 0007 | 0726 0244 0282 |
| \$IOBDDCH | C | 001 | 001D | 0747 |
| \$IOBDDTF | C | 001 | 001F | 0748 |
| \$IOBDECM | C | 001 | 0000 | 0720 |
| \$IOBDERR | C | 001 | 0012 | 0736 |
| \$IOBDFLG | C | 001 | 0002 | 0722 |
| \$IOBDFL2 | C | 001 | 0009 | 0728 |
| \$IOBDLEN | C | 001 | 001C | 0743 |
| \$IOBDLSP | C | 001 | 0018 | 0742 0743 |
| \$IOBDMDR | C | 001 | 0004 | 0724 |
| \$IOBDNB | C | 001 | 0008 | 0727 0241* 0249* 0419* 0488* |
| \$IOBDRSV | C | 001 | 0013 | 0737 |
| \$IOBDRS2 | C | 001 | 0014 | 0738 |
| \$IOBDRS3 | C | 001 | 0015 | 0739 |
| \$IOBDSBO | C | 001 | 000A | 0729 |
| \$IOBDSB2 | C | 001 | 000C | 0731 |
| \$IOBDSB3 | C | 001 | 000D | 0732 |
| \$IOBDSB4 | C | 001 | 000E | 0733 |
| \$IOBDSB5 | C | 001 | 000F | 0734 |
| \$IOBDSS | C | 001 | 0018 | 0741 0240* 0250* 0399* 0420* 0436* 0459* 0476* 0533* 0535* 0536* |
| \$IOBDTCB | C | 001 | 0011 | 0735 |
| \$IOBDUAD | C | 001 | 0005 | 0725 |
| \$IOBDSB1 | C | 001 | 000B | 0730 |
| \$LDAMPID | C | 001 | 0010 | 0959 |

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| MAXRF CROSS-REFERENCE RESOLVER | | | | |
|--------------------------------|-------------|------|---------------|---|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| 02 | 0008 | 1576 | \$LGD2DRA EQU | \$LGD2DRL+2 DATA RESPONSE ADDRESS |
| | 0002 | 1577 | \$LGL2DRA EQU | 2 LENGTH |
| 03 | 000A | 1578 | \$LGD2B2R EQU | \$LGD2DRA+2 TUB ADDRESS FOR TYPE 2R |
| | 000A | 1579 | \$LGD2C2R EQU | \$LGD2DRA+2 SUBCONSOLE ID FIELD FOR TYPE 2R |
| | 0002 | 1580 | \$LGLT2R EQU | 2 LENGTH OF TUB OR SUBCONSOLE FLD |
| 04 | 000B | 1581 | \$LGLT2RL EQU | \$LGD2B2R+1 LENGTH TYPE 2R PARAMETER LIST |
| 1583 * END OF EXPANSION | | | | |

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|----|------------|---|-----|------|------|
| 15 | \$LDDLEN | C | 001 | 000C | 0947 |
| | \$LDDLK | C | 001 | 0005 | 0941 |
| | \$LDDLOAD | C | 001 | 000B | 0946 |
| | \$LDDRLD | C | 001 | 0008 | 0943 |
| | \$LDDSS | C | 001 | 0002 | 0939 |
| | \$LDDSTRT | C | 001 | 0007 | 0942 |
| | \$LDDTEXT | C | 001 | 0003 | 0940 |
| | \$LDDTOT | C | 001 | 0009 | 0945 |
| | \$LDFETCH | C | 001 | 0004 | 0957 |
| | \$LDMFCHA | C | 001 | 0006 | 0969 |
| | \$LDMFCHC | C | 001 | 0004 | 0968 |
| | \$LDMLOAD | C | 001 | 0002 | 0966 |
| | \$LDMSFCH | C | 001 | 000E | 0970 |
| | \$LDMSLD | C | 001 | 000A | 0967 |
| | \$LDMSSLD | C | 001 | 0001 | 0965 |
| | \$LDRELAD | C | 001 | 0001 | 0955 |
| | \$LDSFTCH | C | 001 | 0008 | 0958 |
| | \$LDTOADR | C | 001 | 0002 | 0956 |
| | \$LGDACT | C | 001 | 000A | 1491 |
| | \$LGDADDR | C | 001 | 0005 | 1565 |
| | \$LGDCCMI | C | 001 | 0005 | 1485 |
| | \$LGDORAD | C | 001 | 000D | 1520 |
| | \$LGDORLN | C | 001 | 0008 | 1518 |
| | \$LGDFNCL | C | 001 | 0000 | 1417 |
| | \$LGDFNCL2 | C | 001 | 0000 | 1549 |
| | \$LGDFNCL3 | C | 001 | 0001 | 1438 |
| | \$LGDFNCL4 | C | 001 | 0001 | 1552 |
| | \$LGDLEN | C | 001 | 0003 | 1563 |
| | \$LGDMLC | C | 001 | 0009 | 1489 |
| | \$LGDMMEM | C | 001 | 0002 | 1456 |
| | \$LGDMPAGE | C | 001 | 0002 | 1554 |
| | \$LGDPRID | C | 001 | 0003 | 1465 |
| | \$LGD5BC1 | C | 001 | 000C | 1504 |
| | \$LGD5BC2 | C | 001 | 0007 | 1568 |
| | \$LGD5BC3 | C | 001 | 000F | 1534 |
| | \$LGD5BC4 | C | 001 | 0017 | 1543 |
| | \$LGD5C1R | C | 001 | 000F | 1523 |
| | \$LGD5C2R | C | 001 | 000A | 1579 |
| | \$LGD5SUB1 | C | 001 | 0007 | 1487 |
| | \$LGD7B1R | C | 001 | 000F | 1522 |
| | \$LGD7B2R | C | 001 | 000A | 1578 |
| | \$LGD7UB1 | C | 001 | 000C | 1503 |
| | \$LGD7UB2 | C | 001 | 0007 | 1567 |
| | \$LGD7UB3 | C | 001 | 000F | 1533 |
| | \$LGD7UB4 | C | 001 | 0017 | 1542 |
| | \$LGD1ADR | C | 001 | 000F | 1512 |
| | \$LGD1LEN | C | 001 | 000D | 1510 |
| | \$LGD2DRA | C | 001 | 0008 | 1576 |
| | \$LGD2DRL | C | 001 | 0006 | 1574 |
| | \$LGD3ADR | C | 001 | 000D | 1531 |
| | \$LGD3LEN | C | 001 | 000B | 1529 |
| | \$LGD88YT | C | 001 | 0015 | 1540 |

MAXRF CROSS-REFERENCE RESOLV

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| * / 00400000 | 17 |
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| * / 00440000 | |
| * / 00450000 | |
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| * / 00480000 | |
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| PAGE 83 V09/11/81 12/08/81 00:29 | | | | | 01 | | |
| CROSS-REFERENCE | | | | | | | |
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | 02 |
| 03 | \$LDDL | C | 001 | 000C | 0947 | | 03 |
| | \$LDDL | C | 001 | 0005 | 0941 | 0942 | |
| | \$LDDL | C | 001 | 0008 | 0946 | 0687* 0947 | |
| 04 | \$LDDR | C | 001 | 0008 | 0943 | 0320* 0945 | 04 |
| | \$LDDS | C | 001 | 0002 | 0939 | 0321* 0940 | |
| | \$LDD | C | 001 | 0007 | 0942 | 0943 | |
| 05 | \$LDD | C | 001 | 0003 | 0940 | 0319* 0941 | 05 |
| | \$LDD | C | 001 | 0009 | 0945 | 0946 | |
| | \$LDF | C | 001 | 0004 | 0957 | 0968 | |
| 06 | \$LDM | C | 001 | 0006 | 0969 | 0970 | 06 |
| | \$LDM | C | 001 | 0004 | 0968 | 0969 | |
| | \$LDM | C | 001 | 0002 | 0966 | 0967 | |
| 07 | \$LDM | C | 001 | 000E | 0970 | | 07 |
| | \$LDM | C | 001 | 000A | 0967 | | |
| | \$LDM | C | 001 | 0001 | 0965 | | |
| 08 | \$LDS | C | 001 | 0008 | 0958 | 0967 0970 | 08 |
| | \$LDT | C | 001 | 0002 | 0956 | 0966 0969 | |
| 09 | \$LGD | C | 001 | 000A | 1491 | 1503 1504 1518 1529 | 09 |
| | \$LGD | C | 001 | 0005 | 1565 | 1567 1568 1574 | |
| | \$LGD | C | 001 | 0005 | 1485 | 1487 | |
| 10 | \$LGD | C | 001 | 000D | 1520 | 1522 1523 1540 | 10 |
| | \$LGD | C | 001 | 0008 | 1518 | 1520 | |
| | \$LGD | C | 001 | 0000 | 1417 | 1438 | |
| 11 | \$LGD | C | 001 | 0000 | 1549 | 1552 | 11 |
| | \$LGD | C | 001 | 0001 | 1438 | 1456 | |
| | \$LGD | C | 001 | 0001 | 1552 | 1554 | |
| 12 | \$LGD | C | 001 | 0003 | 1563 | 1565 | 12 |
| | \$LGD | C | 001 | 0009 | 1489 | 1491 | |
| | \$LGD | C | 001 | 0002 | 1456 | 1465 | |
| 13 | \$LGD | C | 001 | 0002 | 1554 | 1563 | 13 |
| | \$LGD | C | 001 | 0003 | 1465 | 1485 | |
| 14 | \$LGD | C | 001 | 000C | 1504 | | 14 |
| | \$LGD | C | 001 | 0007 | 1568 | | |
| | \$LGD | C | 001 | 000F | 1534 | | |
| 15 | \$LGD | C | 001 | 000F | 1523 | | 15 |
| | \$LGD | C | 001 | 000A | 1579 | | |
| | \$LGD | C | 001 | 0007 | 1487 | 1489 | |
| 16 | \$LGD | C | 001 | 000F | 1522 | 1525 | 16 |
| | \$LGD | C | 001 | 000A | 1578 | 1581 | |
| | \$LGD | C | 001 | 000C | 1503 | 1506 1510 | |
| 17 | \$LGD | C | 001 | 0007 | 1567 | 1570 | 17 |
| | \$LGD | C | 001 | 000F | 1533 | 1536 | |
| | \$LGD | C | 001 | 0017 | 1542 | 1545 | |
| 18 | \$LGD | C | 001 | 000F | 1512 | 1514 | 18 |
| | \$LGD | C | 001 | 000D | 1510 | 1512 | |
| | \$LGD | C | 001 | 0008 | 1576 | 1578 1579 | |
| 19 | \$LGD | C | 001 | 0006 | 1574 | 1576 | 19 |
| | \$LGD | C | 001 | 000D | 1531 | 1533 1534 | |
| | \$LGD | C | 001 | 000B | 1529 | 1531 | |
| 20 | \$LGD | C | 001 | 0015 | 1540 | 0515* 1542 1543 | 20 |

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|----------------------------------|---------|-------------|--------|------|--------------------|----------|
| PAGE 47 V09/11/81 12/08/81 00:29 | | | | | 01 | |
| #MAXRF CROSS-REFERENCE RESOLVER | | | | | | |
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | 02 |
| | | | 1586 * | | KKKCA | |
| | | | 1587 | | ***** | 07760000 |
| 03 | | | 1588 * | | | * |
| | | | 1589 * | | I G C | * |
| | | | 1590 * | | | * |
| 04 | | | 1591 * | | COMMUNICATION AREA | * |
| | | | 1592 * | | | * |
| | | | 1593 | | ***** | |

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CROSS-REFERENCE

| SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
|-----------|---|-----|-------|------|------------|
| \$GLACT | C | 001 | 0001 | 1492 | |
| \$GLADDR | C | 001 | 0002 | 1566 | |
| \$GLCOM1 | C | 001 | 0002 | 1486 | |
| \$GLDRAD | C | 001 | 0002 | 1521 | |
| \$GLDRLN | C | 001 | 0001 | 1519 | |
| \$GLFNCL | C | 001 | 0001 | 1418 | |
| \$GLFNC2 | C | 001 | 0001 | 1550 | |
| \$GLFNC3 | C | 001 | 0001 | 1439 | |
| \$GLFNC4 | C | 001 | 0001 | 1553 | |
| \$GLLEN | C | 001 | 0001 | 1564 | |
| \$GLMIC | C | 001 | 0002 | 1490 | |
| \$GLMEM | C | 001 | 0001 | 1457 | |
| \$GLPAGE | C | 001 | 0001 | 1555 | |
| \$GLPRID | C | 001 | 0001 | 1466 | |
| \$GLSUBI | C | 001 | 0002 | 1488 | |
| \$GLTB1R | C | 001 | 0002 | 1524 | |
| \$GLTB2R | C | 001 | 0002 | 1580 | |
| \$GLTUB1 | C | 001 | 0002 | 1505 | |
| \$GLTUB2 | C | 001 | 0002 | 1569 | |
| \$GLTUB3 | C | 001 | 0002 | 1535 | |
| \$GLTUB4 | C | 001 | 0002 | 1544 | |
| \$GLTILN | C | 001 | 0000 | 1506 | |
| \$GLTIRL | C | 001 | 0010 | 1525 | |
| \$GLTIVL | C | 001 | 0010 | 1514 | |
| \$GLTZLN | C | 001 | 0008 | 1570 | |
| \$GLTZRL | C | 001 | 0008 | 1581 | |
| \$GLT3LN | C | 001 | 0010 | 1536 | |
| \$GLT4LN | C | 001 | 0018 | 1545 | |
| \$GL1ADR | C | 001 | 0002 | 1513 | |
| \$GL1LEN | C | 001 | 0001 | 1511 | |
| \$GL2DRA | C | 001 | 0002 | 1577 | |
| \$GL2DRL | C | 001 | 0001 | 1575 | |
| \$GL3ADR | C | 001 | 0002 | 1532 | |
| \$GL3LEN | C | 001 | 0001 | 1530 | |
| \$GLLBYT | C | 001 | 0008 | 1541 | |
| \$GLMGIN | C | 001 | 0040 | 1495 | |
| \$GLMASS | C | 001 | 0008 | 1474 | |
| \$GLMAUTO | C | 001 | 0003 | 1469 | |
| \$GLMBASC | C | 001 | 0000 | 1479 | |
| \$GLMCANC | C | 001 | 0020 | 1496 | |
| \$GLMCBL | C | 001 | 000C | 1478 | |
| \$GLMCGU | C | 001 | 000F | 1481 | |
| \$GLMCNCL | C | 001 | 0002 | 1501 | |
| \$GLMCRT | C | 001 | 0001 | 1433 | |
| \$GLMDATR | C | 001 | 0020 | 1423 | |
| \$GLMDFU | C | 001 | 0006 | 1472 | |
| \$GLMDSSA | C | 001 | 0010 | 1447 | |
| \$GLMEMU | C | 001 | 000E | 1480 | |
| \$GLMEDJ | C | 001 | 0010 | 1497 | |
| \$GLMESU | C | 001 | 0011 | 1483 | |
| \$GLMFOR | C | 001 | 0009 | 1475 | |
| \$GLMFRMT | C | 001 | 0008 | 1427 | |

| SYMBOL | T | LEN | VALUE | DEFN |
|------------|---|-----|-------|------|
| \$GLMHALT | C | 001 | 0010 | 1425 |
| \$GLMHIST | C | 001 | 0002 | 1431 |
| \$GLMIGNR | C | 001 | 0080 | 1494 |
| \$GLMHHED | C | 001 | 0080 | 1459 |
| \$GLMHPRG | C | 001 | 0010 | 1460 |
| \$GLMMSGM | C | 001 | 0080 | 1419 |
| \$GLMSSP | C | 001 | 0020 | 1458 |
| \$GLMUSE | C | 001 | 0008 | 1461 |
| \$GLMOUT | C | 001 | 0020 | 1444 |
| \$GLMWRD | C | 001 | 0012 | 1484 |
| \$GLMPROC | C | 001 | 0008 | 1499 |
| \$GLMPUL3 | C | 001 | 0004 | 1450 |
| \$GLMRPE | C | 001 | 0002 | 1468 |
| \$GLMRTY | C | 001 | 0004 | 1500 |
| \$GLMSCRI | C | 001 | 0008 | 1449 |
| \$GLMSDA | C | 001 | 0008 | 1477 |
| \$GLMSEU | C | 001 | 0004 | 1470 |
| \$GLMSKIP | C | 001 | 00F0 | 1556 |
| \$GLMSORT | C | 001 | 0005 | 1471 |
| \$GLMSPC1 | C | 001 | 0001 | 1560 |
| \$GLMSPC2 | C | 001 | 0002 | 1561 |
| \$GLMSPC3 | C | 001 | 0003 | 1562 |
| \$GLMSRT | C | 001 | 0010 | 1482 |
| \$GLMSSP | C | 001 | 0001 | 1467 |
| \$GLMSUBC | C | 001 | 0002 | 1451 |
| \$GLMTERM | C | 001 | 0001 | 1502 |
| \$GLMTUB | C | 001 | 0080 | 1440 |
| \$GLMTP2 | C | 001 | 0000 | 1551 |
| \$GLMUSER | C | 001 | 000A | 1476 |
| \$GLMWARI | C | 001 | 0040 | 1442 |
| \$GLMWRT | C | 001 | 0040 | 1421 |
| \$GLMWASU | C | 001 | 0007 | 1473 |
| \$GLMBOBYT | C | 001 | 0004 | 1429 |
| # | C | 001 | 0000 | 1372 |
| ## | C | 001 | 0000 | 1373 |
| #MAXRF | A | 001 | 0000 | 0001 |
| a | C | 001 | 0002 | 1374 |
| ADACTIVE | C | 001 | 0004 | 2782 |
| ADCDMPRQ | C | 001 | 0001 | 3007 |
| ADCFIND | C | 001 | 0002 | 3006 |
| ADCMATCH | C | 001 | 0010 | 3003 |
| ADCREAL | C | 001 | 0040 | 3001 |
| ADCRESET | C | 001 | 00FC | 3010 |
| ADCTASK | C | 001 | 0080 | 3000 |
| ADCTBF | C | 001 | 0004 | 3005 |
| ADCTBN | C | 001 | 0008 | 3004 |
| ADCOVERFY | C | 001 | 0020 | 3002 |
| ADEXIT | C | 001 | 0080 | 2776 |
| ADINQURY | C | 001 | 0020 | 2778 |
| ADITRMOO | C | 001 | 0002 | 2783 |
| ADRSTOMP | C | 001 | 0020 | 2792 |
| ADSCO960 | C | 001 | 0040 | 2791 |

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#MAXRF CROSS-REFERENCE RESOLVER

| ERR | LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|-----|-----|-------------|------|------|--------------------|--------------------|
| | | | 1638 | * | SVEQU | |
| | | | 1639 | * | | |
| | | | 1640 | * | SVC R-BYTE EQUATES | |
| | | | 1641 | * | | |
| | | | 0000 | 1642 | SVCWAIT EQU | X'00' GENERAL WAIT |
| | | | 0001 | 1643 | SVCPOST EQU | X'01' GENERAL POST |
| | | | 0002 | 1644 | SVCWAIT EQU | X'02' WAIT |

#MAXRF CROSS-REFERENCE RESOL

| ERR | LOC | OBJECT CODE | ADDR |
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CROSS-REFERENCE

| SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
|------------|---|-----|-------|------|--------------------------|
| \$LGMHALT | C | 001 | 0010 | 1425 | |
| \$LGMHIST | C | 001 | 0002 | 1431 | |
| \$LGMIGNR | C | 001 | 0080 | 1494 | |
| \$LGMHED | C | 001 | 0080 | 1459 | |
| \$LGMMPRG | C | 001 | 0010 | 1460 | |
| \$LGMMSGM | C | 001 | 0080 | 1419 | |
| \$LGMSSP | C | 001 | 0020 | 1458 | |
| \$LGMUSE | C | 001 | 0008 | 1461 | |
| \$LGMOWT | C | 001 | 0020 | 1444 | |
| \$LGMWRD | C | 001 | 0012 | 1484 | |
| \$LGMPROC | C | 001 | 0008 | 1499 | |
| \$LGMPL3 | C | 001 | 0004 | 1450 | |
| \$LGMRRPG | C | 001 | 0002 | 1468 | |
| \$LGMRTRY | C | 001 | 0004 | 1500 | |
| \$LGMSCRI | C | 001 | 0008 | 1449 | |
| \$LGMSDA | C | 001 | 0008 | 1477 | |
| \$LGMSEU | C | 001 | 0004 | 1470 | |
| \$LGMSKIP | C | 001 | 00F0 | 1556 | |
| \$LGMSORT | C | 001 | 0005 | 1471 | |
| \$LGMSPC1 | C | 001 | 0001 | 1560 | |
| \$LGMSPC2 | C | 001 | 0002 | 1561 | |
| \$LGMSPC3 | C | 001 | 0003 | 1562 | |
| \$LGMISRT | C | 001 | 0010 | 1482 | |
| \$LGMISP | C | 001 | 0001 | 1467 | |
| \$LGMISUBC | C | 001 | 0002 | 1451 | |
| \$LGMTERM | C | 001 | 0001 | 1502 | |
| \$LGMTUB | C | 001 | 0080 | 1440 | |
| \$LGMTYP2 | C | 001 | 0000 | 1551 | |
| \$LGMUSER | C | 001 | 000A | 1476 | |
| \$LGMVARI | C | 001 | 0040 | 1442 | |
| \$LGMISRT | C | 001 | 0040 | 1421 | |
| \$LGMWSU | C | 001 | 0007 | 1473 | |
| \$LGMBBYT | C | 001 | 0004 | 1429 | |
| # | C | 001 | 0000 | 1372 | 0551 0702 0703 0704 0713 |
| ## | C | 001 | 0000 | 1373 | |
| #MAXRF | A | 001 | 0000 | 0001 | |
| @ | C | 001 | 0002 | 1374 | |
| ADACTIVE | C | 001 | 0004 | 2782 | |
| ADCDMPAQ | C | 001 | 0001 | 3007 | |
| ADCFIND | C | 001 | 0002 | 3006 | |
| ADCMATCH | C | 001 | 0010 | 3003 | 3010 |
| ADCREAL | C | 001 | 0040 | 3001 | 3010 |
| ADCRESET | C | 001 | 00FC | 3010 | |
| ADCTASK | C | 001 | 0080 | 3000 | 3010 |
| ADCTBF | C | 001 | 0004 | 3005 | 3010 |
| ADCTBN | C | 001 | 0008 | 3004 | 3010 |
| ADCOVERFY | C | 001 | 0020 | 3002 | 3010 |
| ADEXIT | C | 001 | 0080 | 2776 | |
| ADINQURY | C | 001 | 0020 | 2778 | |
| ADITRMDD | C | 001 | 0002 | 2783 | |
| ADRSTOMP | C | 001 | 0020 | 2792 | |
| ADSC0960 | C | 001 | 0040 | 2791 | |

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| SYMBOL | T | LEN | VALUE | DEFN |
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| ADSTOPN | C | 001 | 0080 | 2790 |
| ADSTPMDD | C | 001 | 0001 | 2784 |
| ADSTPTSK | C | 001 | 0010 | 2795 |
| ADSYSOHP | C | 001 | 0040 | 2777 |
| ADTRACE | C | 001 | 0010 | 2779 |
| ADWAITNG | C | 001 | 0008 | 2781 |
| AFINPRDG | C | 001 | 0040 | 2827 |
| ALLBIT | C | 001 | 00FF | 1396 |
| ARR | C | 001 | 0008 | 1367 |
| ASGNERR | C | 001 | 0080 | 2826 |
| ASGNFATL | C | 001 | 0080 | 2858 |
| ASGNPAGE | C | 001 | 0010 | 2829 |
| ASGNRTRY | C | 001 | 000F | 2831 |
| ASGNSEQ | C | 001 | 0020 | 2828 |
| ASGNMATR | C | 001 | 0008 | 2830 |
| BATCOUNT | C | 001 | 0005 | 3319 |
| BIT0 | C | 001 | 0080 | 1397 |
| BIT1 | C | 001 | 0040 | 1398 |
| BIT2 | C | 001 | 0020 | 1399 |
| BIT3 | C | 001 | 0010 | 1400 |
| BIT4 | C | 001 | 0008 | 1401 |
| BIT5 | C | 001 | 0004 | 1402 |
| BIT6 | C | 001 | 0002 | 1403 |
| BIT7 | C | 001 | 0001 | 1404 |
| BLANK | C | 001 | 0040 | 1376 |
| CSCALL | C | 001 | 0080 | 1725 |
| DIRMPERS | C | 001 | 0009 | 1303 |
| DIRSTMT | C | 001 | 000E | 1289 |
| DIRTXT | C | 001 | 000C | 1287 |
| DIRADDR | C | 001 | 000B | 1286 |
| DIRATTR | C | 001 | 0015 | 1293 |
| DIRATTR4 | C | 001 | 001A | 1297 |
| DIRBASIC | C | 001 | 0080 | 1333 |
| DIRCNFIG | C | 001 | 0008 | 1331 |
| DIRCDON | C | 001 | 0004 | 1323 |
| DIRCORE | C | 001 | 0012 | 1292 |
| DIRDED | C | 001 | 0080 | 1318 |
| DIRENTRY | C | 001 | 001B | 1300 |
| DIRFORT | C | 001 | 0010 | 1330 |
| DIRHDEAD | C | 001 | 0020 | 1329 |
| DIRLENGH | C | 001 | 001C | 1302 |
| DIRLINK | C | 001 | 000E | 1288 |
| DIRWRT | C | 001 | 0016 | 1294 |
| DIRNAME | C | 001 | 0008 | 1285 |
| DIRNEP | C | 001 | 0040 | 1319 |
| DIRNHIST | C | 001 | 0040 | 1309 |
| DIRNDINQ | C | 001 | 0020 | 1310 |
| DIRNOEX | C | 001 | 0008 | 1322 |
| DIRNSLAP | C | 001 | 0040 | 1328 |
| DIROVER | C | 001 | 0001 | 1316 |
| DIRRXRF | C | 001 | 0001 | 1325 |
| DIRPAD | C | 001 | 0040 | 1334 |

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| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|------|----------|---------------------------------------|
| | | | | 1693 * | DELAYED SVC R-BYTE EQUATES |
| | | 0040 | 1694 | SVCFD | EQU X'40' DISK IOS |
| | | 0041 | 1695 | SVCIO | EQU X'41' DISKETTE IOCS |
| | | 0042 | 1696 | SVCPT | EQU X'42' WORKSTATION IOCH (PRINTER) |
| | | 0043 | 1697 | SVCWSC | EQU X'43' WORKSTATION IOCH (TERMINAL) |
| | | 0044 | 1698 | SVCDDMM | EQU X'44' COMMUNICATIONS IOCH |
| | | 0045 | 1699 | SVCIOXNT | EQU X'45' I/O TRANSIENT REQUEST |

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| ERR LOC | OBJECT CODE | ADDR | SOURCE | STATEMENT |
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| 01 | | CROSS-REFERENCE | | | | | | | | | | 01 | |
|----|----------|-----------------|-----|-------|------|-------------------------------|----------|--------|-----|------|-------|------|--|
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | 02 | SYMBOL | T | LEN | VALUE | DEFN | |
| 03 | ADSTOPN | C | 001 | 0080 | 2790 | | DIRPDATA | C | 001 | 0010 | 1312 | | |
| 03 | ADSTPMOD | C | 001 | 0001 | 2784 | | DIRPRIV | C | 001 | 0040 | 1308 | | |
| 03 | ADSTPTSK | C | 001 | 0010 | 2795 | | DIRPTF | C | 001 | 0002 | 1315 | | |
| 04 | ADSYSOMP | C | 001 | 0040 | 2777 | | DIRREL | C | 001 | 0017 | 1295 | | |
| 04 | ADTRACE | C | 001 | 0010 | 2779 | | DIRRESV | C | 001 | 0018 | 1299 | | |
| 04 | ADWALING | C | 001 | 0008 | 2781 | | DIRRLD | C | 001 | 0011 | 1291 | | |
| 05 | AFINPROG | C | 001 | 0040 | 2827 | | DIRSCA | C | 001 | 0010 | 1290 | | |
| 05 | ALLBIT | C | 001 | 00FF | 1396 | 0415 0424 0440 0463 0480 | DIRSCB | C | 001 | 0080 | 1307 | | |
| 05 | ARR | C | 001 | 0008 | 1367 | 0200 0711 | DIRSCOP | C | 001 | 0004 | 1314 | | |
| 06 | ASGNERR | C | 001 | 0080 | 2826 | | DIRSECTY | C | 001 | 001A | 1298 | | |
| 06 | ASGNFAIL | C | 001 | 0080 | 2858 | | DIRSFRG | C | 001 | 0010 | 1311 | | |
| 06 | ASGNPAGE | C | 001 | 0010 | 2829 | | DIRSORCE | C | 001 | 0008 | 1313 | | |
| 07 | ASGNTRY | C | 001 | 000F | 2831 | | DIRSYSLO | C | 001 | 0010 | 1321 | | |
| 07 | ASGNSEQ | C | 001 | 0020 | 2828 | | DIRTOTL | C | 001 | 0019 | 1296 | | |
| 07 | ASGNMATR | C | 001 | 0008 | 2830 | | DIRTYPE | C | 001 | 0000 | 1284 | | |
| 08 | BATCOUNT | C | 001 | 0005 | 3319 | | DIRUCLAT | C | 001 | 0002 | 1324 | | |
| 08 | BIT0 | C | 001 | 0080 | 1397 | | DIRWRK2 | C | 001 | 0080 | 1327 | | |
| 08 | BIT1 | C | 001 | 0040 | 1398 | | DIRXRFXT | C | 001 | 0020 | 1320 | | |
| 09 | BIT2 | C | 001 | 0020 | 1399 | | DMPINPRG | C | 001 | 0040 | 2707 | | |
| 09 | BIT3 | C | 001 | 0010 | 1400 | | DMPROTC | C | 001 | 0080 | 2704 | | |
| 09 | BIT4 | C | 001 | 0008 | 1401 | | DMPUSAC | C | 001 | 0020 | 2710 | | |
| 10 | BIT5 | C | 001 | 0004 | 1402 | | DSABL | C | 001 | 0080 | 1411 | | |
| 10 | BIT6 | C | 001 | 0002 | 1403 | | DSPADACT | C | 001 | 0010 | 2762 | | |
| 10 | BIT7 | C | 001 | 0001 | 1404 | | DSPERPND | C | 001 | 0004 | 2764 | | |
| 11 | BLANK | C | 001 | 0040 | 1376 | | DSPEXAM | C | 001 | 0001 | 2766 | | |
| 11 | CSCALL | C | 001 | 0080 | 1725 | | DSPFCUR | C | 001 | 0008 | 2763 | | |
| 11 | DIRMPERS | C | 001 | 0009 | 1303 | | DSPHOLD | C | 001 | 0002 | 2765 | | |
| 12 | DIR#STMT | C | 001 | 000E | 1289 | | DSPRGST | C | 001 | 0040 | 2760 | | |
| 12 | DIR#TXT | C | 001 | 000C | 1287 | 0313 0319 0354 | DTF | C | 001 | 0002 | 1370 | | |
| 12 | DIRADDR | C | 001 | 000B | 1286 | 0375 0330 0335 0340 0345 0350 | DIACNTL | C | 001 | 0075 | 2998 | | |
| 13 | DIRATTR | C | 001 | 0015 | 1293 | 0293 0366 0370 | DIACEIAR | C | 001 | 0064 | 2953 | | |
| 13 | DIRATTR4 | C | 001 | 001A | 1297 | 0295 | DIACEI0B | C | 001 | 0068 | 2958 | | |
| 13 | DIRBASIC | C | 001 | 0080 | 1333 | | DIACEI0B | C | 001 | 0065 | 2954 | | |
| 14 | DIRCNFIG | C | 001 | 0008 | 1331 | | DIACEI0B | C | 001 | 0069 | 2960 | | |
| 14 | DIRCONDN | C | 001 | 0004 | 1323 | | DIACEI0B | C | 001 | 006A | 2961 | | |
| 14 | DIRCORE | C | 001 | 0012 | 1292 | | DIACEI0B | C | 001 | 0068 | 2957 | | |
| 15 | DIRDED | C | 001 | 0080 | 1318 | | DIACEI0B | C | 001 | 0069 | 2959 | | |
| 15 | DIRENTRY | C | 001 | 0018 | 1300 | | DIACEI0B | C | 001 | 0066 | 2955 | | |
| 15 | DIRFORT | C | 001 | 0010 | 1330 | | DIACEI0B | C | 001 | 0067 | 2956 | | |
| 16 | DIRHDEAD | C | 001 | 0020 | 1329 | | DIACEI0B | C | 001 | 0069 | 2997 | | |
| 16 | DIRLENGH | C | 001 | 001C | 1302 | | DIACEI0B | C | 001 | 0023 | 2752 | | |
| 16 | DIRLINK | C | 001 | 000E | 1288 | | DIACEI0B | C | 001 | 0073 | 2996 | | |
| 17 | DIRMRT | C | 001 | 0016 | 1294 | | DIACNTL | C | 001 | 0025 | 2772 | | |
| 17 | DIRNAME | C | 001 | 0008 | 1285 | | DIACEI0B | C | 001 | 0040 | 2901 | | |
| 17 | DIRNEP | C | 001 | 0040 | 1319 | | DIARR | C | 001 | 0058 | 2923 | | |
| 18 | DIRNHIST | C | 001 | 0040 | 1309 | | DIASRFLG | C | 001 | 0027 | 2825 | | |
| 18 | DIRNOINQ | C | 001 | 0020 | 1310 | | DIASRTQE | C | 001 | 004C | 2900 | | |
| 18 | DIRNONEX | C | 001 | 0008 | 1322 | | DIASSAWB | C | 001 | 0009 | 2676 | | |
| 19 | DIRNSWAP | C | 001 | 0040 | 1328 | | DICSDUMP | C | 001 | 0054 | 2914 | | |
| 19 | DIROVER | C | 001 | 0001 | 1316 | | DICSIZE | C | 001 | 0010 | 2699 | | |
| 19 | DIROXRF | C | 001 | 0001 | 1325 | 0366 0369 0560 | DICURAGE | C | 001 | 0048 | 2899 | | |
| 20 | DIRPAD | C | 001 | 0040 | 1334 | 0295 | DICURJCB | C | 001 | 003E | 2879 | | |

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| 01 | | XNTEQ CROSS-REFERENCE RESOLVER | | | | | | | | | | 01 | |
|----|---------|--------------------------------|------|------|---|-----------|----|---------|-------------|----------|----|----|--|
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | 02 | ERR LOC | OBJECT CODE | ADDR | 02 | | |
| 03 | | | 1734 | * | XNTEQ | | | | | 07800000 | 00 | | |
| 03 | | | 1735 | ** | ***** | | | | | | 00 | | |
| 03 | | | 1736 | ** | ***** | | | | | | 00 | | |
| 03 | | | 1737 | ** | MAIN STORAGE TRANSIENT AND TRANSFER CONTROL RIB EQUATES | | | | | | 00 | | |
| 03 | | | 1738 | ** | ***** | | | | | | 00 | | |
| 04 | | | 1739 | ** | ***** | | | | | | 00 | | |

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|----|---------|--|-------|----------|
| 15 | 234 */* | RELEASE 07 | */ | 02300000 |
| | 235 */* | | */ | 02301000 |
| | 236 */* | | */ | 02302000 |
| 16 | 237 */* | a7501 - PTR P75MG001 - NO LENGTH ON STMT | a7501 | 02303000 |
| | 238 */* | | */ | 02304000 |
| | 239 */* | RELEASE 08 | */ | 02304200 |
| | 240 */* | | */ | 02304400 |
| 17 | 241 */* | a8001 - PTR P80MG001 - REQUESTED LENGTH EQUALS ACTUAL LENGTH | a8001 | 02304600 |
| | 242 */* | IN FIRST SECTOR OF SPANNED OUT MSG | a8001 | 02305000 |
| | 243 */* | | */ | 02306000 |
| 18 | 244 */* | MESSAGES-INITIATED - | */ | 02310000 |
| | 245 */* | | */ | 02320000 |
| 19 | 246 */* | ***** | */ | 02330000 |
| 20 | | | | |

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| CROSS-REFERENCE | | | | |
|-----------------|---|-----|-------|---------------------|
| SYMBOL | T | LEN | VALUE | DEFN REFERENCES |
| DIRPDATA | C | 001 | 0010 | 1312 |
| DIRPRIV | C | 001 | 0040 | 1308 |
| DIRPTF | C | 001 | 0002 | 1315 |
| DIRREL | C | 001 | 0017 | 1295 |
| DIRRESV | C | 001 | 0018 | 1299 |
| DIRRLD | C | 001 | 0011 | 1291 0314 0320 0353 |
| DIRSCA | C | 001 | 0010 | 1290 |
| DIRSCP | C | 001 | 0080 | 1307 0293 |
| DIRSCPOP | C | 001 | 0004 | 1314 |
| DIRSECTY | C | 001 | 001A | 1298 |
| DIRSFG | C | 001 | 0010 | 1311 |
| DIRSORCE | C | 001 | 0008 | 1313 |
| DIRSYSLD | C | 001 | 0010 | 1321 |
| DIRTOTL | C | 001 | 0019 | 1296 0297 |
| DIRTYPE | C | 001 | 0000 | 1284 |
| DIRUCLAT | C | 001 | 0002 | 1324 |
| DIRWRK2 | C | 001 | 0080 | 1327 |
| DIRXRFXT | C | 001 | 0020 | 1320 0370 0373 0613 |
| DMPINPRG | C | 001 | 0040 | 2707 |
| DMPROTCT | C | 001 | 0080 | 2704 |
| DMPUSAC | C | 001 | 0020 | 2710 |
| DSABL | C | 001 | 0080 | 1411 |
| DSPADACT | C | 001 | 0010 | 2762 |
| DSPERPND | C | 001 | 0004 | 2764 |
| DSPEXAM | C | 001 | 0001 | 2766 |
| DSPFCUR | C | 001 | 0008 | 2763 |
| DSPHOLD | C | 001 | 0002 | 2765 |
| DSPGRST | C | 001 | 0040 | 2760 |
| DTF | C | 001 | 0002 | 1370 |
| DIACCNTL | C | 001 | 0075 | 2998 3017 |
| DIACEIAR | C | 001 | 0064 | 2953 2954 |
| DIACEIOB | C | 001 | 0068 | 2958 2959 |
| DIACEMAB | C | 001 | 0065 | 2954 2955 |
| DIACEPLA | C | 001 | 0069 | 2960 |
| DIACETCB | C | 001 | 006A | 2961 2966 |
| DIACEXR1 | C | 001 | 0068 | 2957 2958 |
| DIACEXR2 | C | 001 | 0069 | 2959 2960 2961 |
| DIACE12 | C | 001 | 0066 | 2955 2956 |
| DIACE34 | C | 001 | 0067 | 2956 2957 |
| DIACXSA | C | 001 | 0074 | 2997 2998 |
| DIACVERA | C | 001 | 0023 | 2752 2757 |
| DIACVERO | C | 001 | 0073 | 2996 2997 |
| DIADCNL | C | 001 | 0025 | 2772 2802 |
| DIAGEWRK | C | 001 | 0040 | 2901 2902 |
| DIARR | C | 001 | 0058 | 2923 2924 |
| DIASRFLG | C | 001 | 0027 | 2825 2834 |
| DIASRTQE | C | 001 | 004C | 2900 2901 |
| DIASSAVA | C | 001 | 0009 | 2676 2677 |
| DICSDUMP | C | 001 | 0054 | 2914 2915 |
| DICSIZE | C | 001 | 0010 | 2699 |
| DICURAQE | C | 001 | 0048 | 2899 2900 |
| DICURJCB | C | 001 | 003E | 2879 0264 2880 |

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| MAXRF CROSS-REFERENCE RESOLVER | | | | |
|--------------------------------|-------------|------|------|--|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| 07800000 | | 001D | 1787 | RCPEER EQU X'10' COMMAND PROCESSOR I/O ERROR |
| ** | | 001E | 1788 | RTTC EQU X'1E' TASK-TASK COMMUNICATIONS |
| ** | | 001F | 1789 | RCPTC EQU X'1F' COMMAND PROCESSOR TASK-TASK |
| ** | | 0020 | 1790 | RSETX EQU X'20' SET EXIT |
| ** | | 0021 | 1791 | RWDOB EQU X'21' WSDM TRANSIENT |
| ** | | 0022 | 1792 | RSVNR EQU X'22' .. |

| SYMBOL | T | LEN | VALUE | DEFN |
|----------|---|-----|-------|------|
| DICURTCB | C | 001 | 0044 | 2889 |
| DICURTRB | C | 001 | 0055 | 2915 |
| DICURXNT | C | 001 | 0053 | 2913 |
| DICURX28 | C | 001 | 0008 | 2678 |
| DIOSKTAB | C | 001 | 0000 | 2669 |
| DIOSKTBL | C | 001 | 0004 | 2670 |
| DIOSPFLG | C | 001 | 0024 | 2757 |
| DIOSPTCB | C | 001 | 0030 | 2878 |
| DIDSTIME | C | 001 | 0070 | 2980 |
| DIDSTQE | C | 001 | 002F | 2845 |
| DIDEND | C | 001 | 0076 | 3017 |
| DIERRACE | C | 001 | 0018 | 2741 |
| DIERRMIC | C | 001 | 0019 | 2739 |
| DIERRTCB | C | 001 | 001A | 2740 |
| DIFACTCB | C | 001 | 003C | 2877 |
| DIFREPT | C | 001 | 002D | 2843 |
| DIGPFLAG | C | 001 | 0036 | 2856 |
| DINCSTG | C | 001 | 0071 | 2988 |
| DINCSTGD | C | 001 | 0072 | 2990 |
| DIHPCSDA | C | 001 | 0060 | 2935 |
| DIHPCSTK | C | 001 | 0061 | 2946 |
| DIHPSK | C | 001 | 0062 | 2947 |
| DIJAR | C | 001 | 0059 | 2924 |
| DIARS | C | 001 | 0043 | 2888 |
| DILSPCR | C | 001 | 005F | 2934 |
| DILSARK | C | 001 | 0041 | 2886 |
| DILNDR1 | C | 001 | 0010 | 2698 |
| DILNL12 | C | 001 | 005C | 2927 |
| DILNL34 | C | 001 | 005D | 2928 |
| DILPIOBA | C | 001 | 0039 | 2869 |
| DITOLDAR | C | 001 | 0000 | 2680 |
| DILATRA | C | 001 | 0014 | 2730 |
| DILDACEA | C | 001 | 0046 | 2891 |
| DILDIOBA | C | 001 | 0034 | 2854 |
| DILDLINK | C | 001 | 001F | 2747 |
| DILDLOAD | C | 001 | 0022 | 2750 |
| DILDROT | C | 001 | 0021 | 2749 |
| DILDSN | C | 001 | 001E | 2746 |
| DILDSS | C | 001 | 001D | 2745 |
| DILDSTRT | C | 001 | 0020 | 2748 |
| DILDTCBA | C | 001 | 0048 | 2894 |
| DILGLIM | C | 001 | 004A | 2898 |
| DILGPT | C | 001 | 0049 | 2895 |
| DILGSS1Z | C | 001 | 0051 | 2911 |
| DILGSS | C | 001 | 0050 | 2910 |
| DILGSSH | C | 001 | 004F | 2907 |
| DILGUSD | C | 001 | 0052 | 2912 |
| DIMPNTQE | C | 001 | 0031 | 2847 |
| DIMPIOBA | C | 001 | 0034 | 2850 |
| DIMSATRS | C | 001 | 002C | 2842 |
| DIMSIZ | C | 001 | 000F | 2693 |
| DIMPVACE | C | 001 | 0033 | 2849 |

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| 02300000 |
| 02301000 |
| 02302000 |
| 02303000 |
| 02304000 |
| 02304200 |
| 02304400 |
| 02304600 |
| 02305000 |
| 02306000 |
| 02310000 |
| 02320000 |
| 02330000 |

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| 0853 38 04 OC18 |
| 0857 38 04 OCC6 |
| 0858 38 04 OCFA |
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| V09/11/81 12/08/81 00:29 | |
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| | | | | | PAGE 88 V09/11/81 12/08/81 00:29 | |
| 01 | CROSS-REFERENCE | | | | | |
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
| 03 | DICURTCB | C | 001 | 0044 | 2889 | 2890 |
| 03 | DICURTRB | C | 001 | 0055 | 2915 | 2916 2921 |
| 03 | DICURXNT | C | 001 | 0053 | 2913 | 2914 |
| 04 | DICURXZ8 | C | 001 | 0008 | 2678 | 2679 |
| 04 | DIDSKTAB | C | 001 | 0000 | 2669 | |
| 04 | DIDSKTBL | C | 001 | 0004 | 2670 | |
| 05 | DIDSPFLG | C | 001 | 0024 | 2757 | 2772 |
| 05 | DIDSPTCB | C | 001 | 0030 | 2878 | 2879 |
| 05 | DIDSTIME | C | 001 | 0070 | 2980 | 2988 |
| 06 | DIDSTQE | C | 001 | 002F | 2845 | 2846 |
| 06 | DIENDa | C | 001 | 0076 | 3017 | |
| 06 | DIERRACE | C | 001 | 001B | 2741 | 2742 |
| 07 | DIERRMIC | C | 001 | 0019 | 2739 | 2740 |
| 07 | DIERRTCB | C | 001 | 001A | 2740 | 2741 |
| 07 | DIFACTCB | C | 001 | 003C | 2877 | 2878 |
| 08 | DIFREPT | C | 001 | 002D | 2843 | 2844 |
| 08 | DIGPFLAG | C | 001 | 0036 | 2856 | 2867 |
| 08 | D1HCSTGd | C | 001 | 0071 | 2988 | 2990 |
| 09 | D1HCSTGD | C | 001 | 0072 | 2990 | 2996 |
| 09 | D1HPCSDA | C | 001 | 0060 | 2935 | 2946 |
| 09 | D1HPCSTK | C | 001 | 0061 | 2946 | 2947 |
| 10 | D1HPSTK | C | 001 | 0062 | 2947 | 2949 |
| 10 | D1IAR | C | 001 | 0059 | 2924 | 2925 |
| 10 | D1IARS | C | 001 | 0043 | 2888 | 2889 |
| 11 | D1ILSPCR | C | 001 | 005F | 2934 | 2935 |
| 11 | D1ILSWRK | C | 001 | 0041 | 2886 | 2887 |
| 11 | D1INDR1 | C | 001 | 0010 | 2698 | 2699 2727 |
| 12 | D1INL12 | C | 001 | 005C | 2927 | 2928 |
| 12 | D1INL34 | C | 001 | 005D | 2928 | 2933 |
| 12 | D1IPIOba | C | 001 | 0039 | 2869 | 2870 2871 |
| 13 | D1IOLDAR | C | 001 | 000D | 2680 | 2685 |
| 13 | D1LATRa | C | 001 | 0014 | 2730 | 2731 |
| 13 | D1LDACEa | C | 001 | 0046 | 2891 | 2892 |
| 14 | D1LDIOBa | C | 001 | 0034 | 2854 | |
| 14 | D1LDLINK | C | 001 | 001F | 2747 | 2748 |
| 14 | D1LDLOAD | C | 001 | 0022 | 2750 | 2752 |
| 15 | D1LDRTOT | C | 001 | 0021 | 2749 | 2750 |
| 15 | D1LDSN | C | 001 | 001E | 2746 | 2747 |
| 15 | D1LDSS | C | 001 | 001D | 2745 | 2746 |
| 16 | D1LDSTRT | C | 001 | 0020 | 2748 | 2749 |
| 16 | D1LDTCBa | C | 001 | 0048 | 2894 | |
| 16 | D1LOGLIM | C | 001 | 004A | 2898 | 2899 |
| 17 | D1LOGPT | C | 001 | 0049 | 2895 | 2898 |
| 17 | D1LOGS1Z | C | 001 | 0051 | 2911 | 2912 |
| 17 | D1LOGSS | C | 001 | 0050 | 2910 | 2911 |
| 18 | D1LOGSSH | C | 001 | 004F | 2907 | 2910 |
| 18 | D1LOGUSD | C | 001 | 0052 | 2912 | 2913 |
| 18 | D1MNTQE | C | 001 | 0031 | 2847 | 2848 |
| 19 | D1MPIOBa | C | 001 | 0034 | 2850 | 2851 2852 2853 2854 2855 |
| 19 | D1MSATRS | C | 001 | 002C | 2842 | 2843 |
| 19 | D1MSIZE | C | 001 | 000F | 2693 | 2698 |
| 20 | D1MXACEa | C | 001 | 0033 | 2849 | 2850 |

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| 01 | |
| 02 | SYMBOL T LEN VALUE DEFN |
| 03 | D1PKIOBa C 001 0034 2853 |
| 03 | D1PWNTPT C 001 002E 2844 |
| 03 | D1NUNXTO C 001 0000 2660 |
| 04 | D1NUNXT1 C 001 0001 2661 |
| 04 | D1NUNXT2 C 001 0002 2662 |
| 04 | D1NUNXT3 C 001 0003 2663 |
| 04 | D1NUNXT4 C 001 0004 2664 |
| 05 | D1NUNXT5 C 001 0005 2665 |
| 05 | D1NUNXT6 C 001 0006 2666 |
| 05 | D1NUNXT7 C 001 0007 2667 |
| 06 | D1PGFULL C 001 0080 2691 |
| 06 | D1PPRPSR C 001 005A 2925 |
| 07 | D1PREVRB C 001 0055 2916 |
| 07 | D1QMSAVE C 001 0038 2868 |
| 07 | D1QSAVE C 001 004E 2902 |
| 08 | D1QUEUEa C 001 003F 2880 |
| 08 | D1RDCS C 001 0060 2975 |
| 08 | D1RDM5 C 001 006C 2974 |
| 09 | D1REGPTR C 001 0015 2731 |
| 09 | D1RNGSAV C 001 0063 2949 |
| 09 | D1RQ C 001 0058 2926 |
| 10 | D1RTTABL C 001 0040 2881 |
| 10 | D1SAVEIN C 001 0042 2887 |
| 10 | D1SECa C 001 0016 2732 |
| 11 | D1SETSWa C 001 0068 2966 |
| 11 | D1SPFa C 001 000E 2685 |
| 11 | D1STKa C 001 0011 2727 |
| 12 | D1STKPTR C 001 001C 2742 |
| 12 | D1STKSAV C 001 0037 2867 |
| 12 | D1SWCINa C 001 0012 2728 |
| 13 | D1SWACEa C 001 0035 2855 |
| 13 | D1SWIOBa C 001 0034 2851 |
| 13 | D1SWPMIN C 001 0013 2729 |
| 14 | D1SWTCB1 C 001 0047 2892 |
| 14 | D1SWTCB0 C 001 0018 2734 |
| 15 | D1SYSFLG C 001 0026 2802 |
| 15 | D1TCBHDR C 001 0028 2841 |
| 15 | D1TIACEa C 001 0038 2872 |
| 16 | D1TIMAB C 001 0028 2834 |
| 16 | D1TMVALa C 001 0017 2733 |
| 16 | D1TPTOXH C 001 0029 2835 |
| 16 | D1TPTOXL C 001 002A 2836 |
| 17 | D1TRACEa C 001 0039 2870 |
| 17 | D1TRIOBa C 001 003A 2871 |
| 17 | D1TRSAVE C 001 0030 2846 |
| 18 | D1TWIOBa C 001 0034 2852 |
| 18 | D1TWTCBa C 001 0048 2893 |
| 18 | D1UNUSOB C 001 0008 2675 |
| 19 | D1UNUSSE C 001 005E 2933 |
| 19 | D1URCS C 001 006F 2978 |
| 19 | D1URPS C 001 006E 2977 |
| 20 | D1USCAF C 001 000C 2679 |

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| | | | | | PAGE 52 V09/11/81 12/08/81 00:29 |
| 01 | MAXRF CROSS-REFERENCE RESOLVER | | | | |
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| 03 | | | 1832 * | | SCAEQ 07820000 |
| 03 | | | 1833 * | | ***** |
| 03 | | | 1834 * | | * |
| 03 | | | 1835 * | | SYSTEM * |
| 03 | | | 1836 * | | * |
| 03 | | | 1837 * | | COMMUNICATION AREA * |

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| 01 | |
| 02 | ERR LOC OBJECT CODE ADDR |
| 03 | |
| 03 | 0081 |
| 03 | 0001 |
| 03 | 0001 |

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|----|-----------------|-----|-----|------------------|--------------|----------|
| 15 | 0853 3B 04 OC18 | 316 | SFB | MGROP1R2+TWD,OP2 | SET OP2-REAL | 02890000 |
| | 0857 3B 04 OCC6 | 317 | SFB | MGROP1R5+TWD,OP2 | SET OP2-REAL | 02900000 |
| | 0858 3B 04 OCFA | 318 | SFB | MGROP1R6+TWD,OP2 | SET OP2-REAL | 02910000 |
| 16 | | | | | | |
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| | | CROSS-REFERENCE | | | | PAGE 89 V09/11/81 12/08/81 00:29 | |
|----|----------|-----------------|-----|-------|------|----------------------------------|--|
| | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | |
| 01 | | | | | | | |
| 02 | D1MKIOBA | C | 001 | 0034 | 2853 | | |
| 03 | D1MXNTPT | C | 001 | 002E | 2844 | 2845 | |
| | D1NUNXTO | C | 001 | 0000 | 2660 | 2661 2669 | |
| 04 | D1NUNXT1 | C | 001 | 0001 | 2661 | 2662 | |
| | D1NUNXT2 | C | 001 | 0002 | 2662 | 2663 | |
| | D1NUNXT3 | C | 001 | 0003 | 2663 | 2664 | |
| | D1NUNXT4 | C | 001 | 0004 | 2664 | 2665 | |
| 05 | D1NUNXT5 | C | 001 | 0005 | 2665 | 2666 | |
| | D1NUNXT6 | C | 001 | 0006 | 2666 | 2667 | |
| | D1NUNXT7 | C | 001 | 0007 | 2667 | 2675 | |
| 06 | D1PGFULL | C | 001 | 0080 | 2691 | | |
| | D1PMRPSR | C | 001 | 005A | 2925 | 2926 | |
| | D1PREVRB | C | 001 | 0055 | 2916 | | |
| 07 | D1QHSAVE | C | 001 | 0038 | 2868 | 2869 | |
| | D1QSAVE | C | 001 | 004E | 2902 | 2907 | |
| | D1QUEUEA | C | 001 | 003F | 2880 | 2881 | |
| 08 | D1RDCS | C | 001 | 006D | 2975 | 2977 | |
| | D1RDMS | C | 001 | 006C | 2974 | 2975 | |
| | D1REGPTR | C | 001 | 0015 | 2731 | 2732 | |
| 09 | D1RNQSAV | C | 001 | 0063 | 2949 | 2953 | |
| | D1RQ | C | 001 | 0058 | 2926 | 2927 | |
| | D1RTTABL | C | 001 | 0040 | 2881 | 2886 | |
| 10 | D1SAVEIN | C | 001 | 0042 | 2887 | 2888 | |
| | D1SECA | C | 001 | 0016 | 2732 | 2733 | |
| | D1SETSWA | C | 001 | 0068 | 2966 | 2974 | |
| 11 | D1SMFA | C | 001 | 000E | 2685 | 2693 | |
| | D1STKA | C | 001 | 0011 | 2727 | 2728 | |
| | D1STKPTR | C | 001 | 001C | 2742 | 2745 | |
| 12 | D1STKSAV | C | 001 | 0037 | 2867 | 2868 | |
| | D1SVCIMA | C | 001 | 0012 | 2728 | 2729 | |
| | D1SWACEA | C | 001 | 0035 | 2855 | 2856 | |
| 13 | D1SWIOBA | C | 001 | 0034 | 2851 | | |
| | D1SWPMIN | C | 001 | 0013 | 2729 | 2730 | |
| | D1SWTCBI | C | 001 | 0047 | 2892 | 2893 | |
| 14 | D1SWTCBO | C | 001 | 0018 | 2734 | 2739 | |
| | D1SYSFLG | C | 001 | 0026 | 2802 | 2825 | |
| | D1TCBHDR | C | 001 | 002B | 2841 | 2842 | |
| 15 | D1TIACSA | C | 001 | 0038 | 2872 | 2877 | |
| | D1TIMAB | C | 001 | 0028 | 2834 | 2835 | |
| | D1TMVALA | C | 001 | 0017 | 2733 | 2734 | |
| 16 | D1TPTOXH | C | 001 | 0029 | 2835 | 2836 | |
| | D1TPTOXL | C | 001 | 002A | 2836 | 2841 | |
| | D1TRACEA | C | 001 | 0039 | 2870 | | |
| 17 | D1TRIOBA | C | 001 | 003A | 2871 | 2872 | |
| | D1TRSAVE | C | 001 | 0030 | 2846 | 2847 | |
| | D1TWIOBA | C | 001 | 0034 | 2852 | | |
| 18 | D1TWTCBA | C | 001 | 0048 | 2893 | 2894 2895 | |
| | D1UNUSOB | C | 001 | 0008 | 2675 | 2676 | |
| | D1UNUSSE | C | 001 | 005E | 2933 | 2934 | |
| 19 | D1WRCS | C | 001 | 006F | 2978 | 2980 | |
| | D1WRMS | C | 001 | 006E | 2977 | 2978 | |
| 20 | D1WSCAF | C | 001 | 000C | 2679 | 2680 | |

C20

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| | | MAXRF CROSS-REFERENCE RESOLVER | | | | PAGE 53 V09/11/81 12/08/81 00:29 | |
|----|----------|--------------------------------|------|------|------------------------------|----------------------------------|------------------------|
| | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | | |
| 02 | 07820000 | | | | 0001 1886 SCAMDSIZ EQU X'01' | . | X'01' - DISK FILE SIZE |
| | | | | | 1887 * | | 0 - 8 MEGABYTE DISK |
| | | | | | 1888 * | | 1 - 12 MEGABYTE DISK |
| 03 | | | | | 0081 1889 SCAM27MG EQU X'81' | . | 27 MEGABYTE DISK |
| | | | | | 0001 1890 SCAM13MG EQU 1 | . | 13 MEGABYTE DISK |
| | | | | | 0000 1891 SCAM10MG EQU 0 | . | 10 MEGABYTE DISK |

| | SYMBOL | T | LEN | VALUE | DEFN | |
|----|----------|---|-----|-------|------|--|
| 01 | | | | | | |
| 02 | D1XAMSWI | C | 001 | 000A | 2677 | |
| 03 | D1XNTBL | C | 001 | 0032 | 2848 | |
| | D1XR1 | C | 001 | 0056 | 2921 | |
| 04 | D1XR2 | C | 001 | 0057 | 2922 | |
| | D1XTCBA | C | 001 | 0045 | 2890 | |
| | EIGHT | C | 001 | 0008 | 1385 | |
| | EXAM | C | 001 | 0004 | 2812 | |
| 05 | FALSE | C | 001 | 0090 | 1309 | |
| | FDFAIL | C | 001 | 0040 | 2859 | |
| | FIVE | C | 001 | 0005 | 1382 | |
| 06 | FMTADS | C | 001 | 000C | 1347 | |
| | FMTAFS | C | 001 | 000B | 1346 | |
| | FMTFDL | C | 001 | 0003 | 1357 | |
| 07 | FMTINL | C | 001 | 0006 | 1359 | |
| | FMTKANJI | C | 001 | 0040 | 1351 | |
| | FMTLEN | C | 001 | 0010 | 1352 | |
| 08 | FMTLST | C | 001 | 0080 | 1350 | |
| | FMTIME | C | 001 | 0007 | 1343 | |
| | FMTRSV | C | 001 | 000F | 1349 | |
| 09 | FMTSA | C | 001 | 000A | 1345 | |
| | FMTSSS | C | 001 | 0002 | 1356 | |
| | FMTSST | C | 001 | 0008 | 1344 | |
| 10 | FMTTDL | C | 001 | 000E | 1348 | |
| | FMTTXL | C | 001 | 0004 | 1358 | |
| | FOUR | C | 001 | 0004 | 1381 | |
| 11 | F1ADATTR | C | 001 | 0022 | 1144 | |
| | F1ADATT1 | C | 001 | 0020 | 1139 | |
| | F1ADATT2 | C | 001 | 0023 | 1159 | |
| 12 | F1ADBLKN | C | 001 | 0012 | 1085 | |
| | F1ADCONT | C | 001 | 0021 | 1142 | |
| | F1ADDATE | C | 001 | 0008 | 1034 | |
| 13 | F1ADDFLG | C | 001 | 0000 | 1027 | |
| | F1ADDFDQ | C | 001 | 0027 | 1169 | |
| | F1ADENDA | C | 001 | 0018 | 1101 | |
| 14 | F1ADFCHN | C | 001 | 001F | 1137 | |
| | F1ADHIGH | C | 001 | 0010 | 1082 | |
| | F1ADHOKY | C | 001 | 0039 | 1193 | |
| 15 | F1ADKBKT | C | 001 | 0038 | 1204 | |
| | F1ADKEYL | C | 001 | 0028 | 1183 | |
| | F1ADKEYO | C | 001 | 002A | 1185 | |
| 16 | F1ADLABL | C | 001 | 0008 | 1030 | |
| | F1ADLBOM | C | 001 | 0011 | 1088 | |
| | F1ADLBUS | C | 001 | 0012 | 1090 | |
| 17 | F1ADLSTK | C | 001 | 002E | 1187 | |
| | F1ADLSTP | C | 001 | 0035 | 1191 | |
| | F1ADLSTR | C | 001 | 0015 | 1092 | |
| 18 | F1ADDMNR | C | 001 | 0025 | 1168 | |
| | F1ADPCBQ | C | 001 | 003D | 1206 | |
| | F1ADRECL | C | 001 | 000F | 1080 | |
| 19 | F1ADRECN | C | 001 | 0012 | 1086 | |
| | F1ADRES3 | C | 001 | 003F | 1207 | |
| 20 | F1ADRFED | C | 001 | 0027 | 1171 | |

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CROSS-REFERENCE

| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
|----|----------|---|-----|-------|------|---|
| 03 | D1XAMSWI | C | 001 | 000A | 2677 | 2678 |
| 03 | D1XNTBL | C | 001 | 0032 | 2848 | 2849 |
| 03 | D1XR1 | C | 001 | 0056 | 2921 | 2922 |
| 03 | D1XR2 | C | 001 | 0057 | 2922 | 2923 |
| 04 | D1XTCBa | C | 001 | 0045 | 2890 | 2891 |
| 04 | ELGHT | C | 001 | 0008 | 1385 | |
| 04 | EXAM | C | 001 | 0004 | 2812 | |
| 05 | FALSE | C | 001 | 0090 | 1389 | |
| 05 | FDFAIL | C | 001 | 0040 | 2859 | |
| 05 | FIVE | C | 001 | 0005 | 1382 | |
| 06 | FMT#DS | C | 001 | 000C | 1347 | 1348 1358 |
| 06 | FMT#FS | C | 001 | 000B | 1346 | 1347 1357 |
| 06 | FMTFDL | C | 001 | 0003 | 1357 | |
| 07 | FMTINL | C | 001 | 0006 | 1359 | 0427* 0429 0443* 0445 0466* 0468 0483* 0485 |
| 07 | FMTKANJI | C | 001 | 0040 | 1351 | |
| 07 | FMTLEN | C | 001 | 0010 | 1352 | |
| 08 | FMTLST | C | 001 | 0080 | 1350 | |
| 08 | FMTNME | C | 001 | 0007 | 1343 | 1344 |
| 08 | FMTRSV | C | 001 | 000F | 1349 | 0430 0446 0469 0486 1352 |
| 09 | FMTSA | C | 001 | 000A | 1345 | 1346 1356 |
| 09 | FMTSSS | C | 001 | 0002 | 1356 | 0428* 0444* 0467* 0484* |
| 09 | FMTSST | C | 001 | 0008 | 1344 | 1345 1356 1357 1358 1359 |
| 10 | FMTTDL | C | 001 | 000E | 1348 | 0427 0443 0466 0483 1349 1359 |
| 10 | FMTTKL | C | 001 | 0004 | 1358 | |
| 10 | FOUR | C | 001 | 0004 | 1381 | |
| 11 | F1ADATTR | C | 001 | 0022 | 1144 | 1159 |
| 11 | F1ADATT1 | C | 001 | 0020 | 1139 | 1142 |
| 11 | F1ADATT2 | C | 001 | 0023 | 1159 | 1168 |
| 12 | F1ADBLKN | C | 001 | 0012 | 1085 | |
| 12 | F1ADCONT | C | 001 | 0021 | 1142 | 1144 |
| 12 | F1ADDATE | C | 001 | 0008 | 1034 | 0229 1036 1038 |
| 13 | F1ADDFLG | C | 001 | 0000 | 1027 | 1030 |
| 13 | F1ADEDFQ | C | 001 | 0027 | 1169 | 1171 1183 1195 1209 1238 |
| 13 | F1ADENDA | C | 001 | 001B | 1101 | 1103 |
| 14 | F1ADFCHN | C | 001 | 001F | 1137 | 1139 1214 |
| 14 | F1ADHIGH | C | 001 | 0010 | 1082 | |
| 14 | F1ADHOKY | C | 001 | 0039 | 1193 | 1195 1204 |
| 15 | F1ADKBKT | C | 001 | 003B | 1204 | 1206 |
| 15 | F1ADKEYL | C | 001 | 0028 | 1183 | 1185 |
| 15 | F1ADKEYO | C | 001 | 002A | 1185 | 1187 |
| 16 | F1ADLABL | C | 001 | 0008 | 1030 | 1034 |
| 16 | F1ADLBOW | C | 001 | 0011 | 1088 | 1090 |
| 16 | F1ADLBUS | C | 001 | 0012 | 1090 | |
| 17 | F1ADLSTK | C | 001 | 002E | 1187 | 1189 |
| 17 | F1ADLSTP | C | 001 | 0035 | 1191 | 1193 |
| 17 | F1ADLSTR | C | 001 | 0015 | 1092 | 0228 1094 1096 1099 |
| 18 | F1ADOMNR | C | 001 | 0025 | 1168 | 1169 |
| 18 | F1ADPCBQ | C | 001 | 003D | 1206 | 1207 |
| 18 | F1ADRECL | C | 001 | 000F | 1080 | 1082 1085 1086 1088 |
| 19 | F1ADRECN | C | 001 | 0012 | 1086 | 1092 |
| 19 | F1ADRES3 | C | 001 | 003F | 1207 | 1212 |
| 20 | F1ADRFED | C | 001 | 0027 | 1171 | |

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MAXRF CROSS-REFERENCE RESOLVER

| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|----|---------|-------------|------|------|----------|------------------|
| 02 | | | 0080 | 1940 | SCAMBSA | EQU X'80' . BSCA |
| 02 | | | 0020 | 1941 | SCAMSRJE | EQU X'20' . SRJE |
| 03 | | | 0040 | 1942 | SCAMPRJE | EQU X'40' . PRJE |
| 03 | | | 0010 | 1943 | SCAMRNA | EQU X'10' . RNA |
| 03 | | | 0008 | 1944 | SCAMRWS | EQU X'08' . RWS |

MAXRF CROSS-REFERENCE RESOLVER

| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|----|---------|-------------|------|------|--------|-----------|
| 02 | | | 002F | 199 | | 199 |
| 03 | | | 0031 | 199 | | 0031 199 |
| 03 | | | 0033 | 199 | | 0033 199 |
| 03 | | | 0035 | 199 | | 0035 199 |

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0809 BC 48 0A
08DC C0 87 0CF1

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| CROSS-REFERENCE | | | | |
|-----------------|---|-----|-------|---------------------|
| SYMBOL | T | LEN | VALUE | DEFN REFERENCES |
| F1ADRST | C | 001 | 0015 | 1096 |
| F1ADSDIR | C | 001 | 0008 | 1036 |
| F1ADSFLG | C | 001 | 000D | 1048 1080 |
| F1ADSMEM | C | 001 | 0015 | 1094 |
| F1ADSTDA | C | 001 | 0018 | 1099 0227 1101 |
| F1ADSTIX | C | 001 | 0031 | 1189 1191 |
| F1ADTYPE | C | 001 | 000C | 1038 1048 |
| F1ADVTOC | C | 001 | 001D | 1103 1128 1137 1232 |
| F1ALLGCD | C | 001 | 0028 | 1209 |
| F1ALLGIN | C | 001 | 0040 | 1212 |
| F1ALLGLB | C | 001 | 0020 | 1214 |
| F1ALIVTA | C | 001 | 001E | 1128 |
| F1AL2VTA | C | 001 | 0012 | 1195 |
| F1AMBLRN | C | 001 | 0080 | 1083 |
| F1AMCKPT | C | 001 | 0040 | 1163 |
| F1AMCONS | C | 001 | 0040 | 1040 |
| F1AMDIRC | C | 001 | 0020 | 1041 |
| F1AMDITC | C | 001 | 0020 | 1164 |
| F1AMDNFG | C | 001 | 0004 | 1153 |
| F1AMDPCCK | C | 001 | 0010 | 1056 |
| F1AMGASK | C | 001 | 0008 | 1166 |
| F1AMHKAS | C | 001 | 0010 | 1149 |
| F1AMIFIL | C | 001 | 0010 | 1165 |
| F1AMINDX | C | 001 | 0080 | 1039 |
| F1AMINFR | C | 001 | 0020 | 1147 |
| F1AMJOBR | C | 001 | 0002 | 1045 |
| F1AMKBPR | C | 001 | 0040 | 1146 |
| F1AMLBFL | C | 001 | 0001 | 1078 |
| F1AMLTST | C | 001 | 005C | 1028 |
| F1AMMRGE | C | 001 | 0040 | 1055 |
| F1AMNEW | C | 001 | 0020 | 1071 |
| F1AMNREC | C | 001 | 0008 | 1151 |
| F1AMDLMV | C | 001 | 0001 | 1156 |
| F1AMOTAD | C | 001 | 0080 | 1145 |
| F1AMPERM | C | 001 | 0008 | 1043 |
| F1AMRDFL | C | 001 | 0010 | 1042 |
| F1AMRFIL | C | 001 | 0002 | 1155 |
| F1AMSCFL | C | 001 | 0080 | 1162 |
| F1AMSCLB | C | 001 | 0080 | 1068 |
| F1AMSCMD | C | 001 | 0080 | 1066 |
| F1AMSCRT | C | 001 | 0001 | 1046 |
| F1AMSORT | C | 001 | 0080 | 1054 |
| F1AMSPA1 | C | 001 | 0004 | 1072 |
| F1AMSPA2 | C | 001 | 0002 | 1073 |
| F1AMSYSF | C | 001 | 0001 | 1031 |
| F1AMTEMP | C | 001 | 0004 | 1044 |
| F1AMVALL | C | 001 | 0070 | 1126 |
| F1AMV1ST | C | 001 | 0010 | 1121 |
| F1AMV2ND | C | 001 | 0020 | 1123 |
| F1AMV3RD | C | 001 | 0030 | 1124 |
| F1AMV4TH | C | 001 | 0040 | 1125 |
| F1AMXNFG | C | 001 | 0008 | 1058 |

| SYMBOL | T | LEN | VALUE | DEFN |
|-----------|---|-----|-------|------|
| F1AMXTND | C | 001 | 0080 | 1140 |
| F1FLAG | C | 001 | 001E | 1232 |
| F1RESTRT | C | 001 | 00FF | 1234 |
| F1SSEND | C | 001 | 0027 | 1238 |
| F1SSTRT | C | 001 | 0021 | 1236 |
| GETPANYP | C | 001 | 0020 | 2809 |
| GETPHSTC | C | 001 | 0010 | 2810 |
| GETPNOTC | C | 001 | 0008 | 2811 |
| HPASGERR | C | 001 | 0080 | 2936 |
| HPCSSVC | C | 001 | 0010 | 2939 |
| HPERRPND | C | 001 | 0001 | 2943 |
| HPHALTED | C | 001 | 0000 | 2944 |
| HP12SVCA | C | 001 | 0020 | 2938 |
| HPMNSTRT | C | 001 | 0002 | 2942 |
| HPMNSTBSY | C | 001 | 0008 | 2940 |
| HPSTART | C | 001 | 0040 | 2937 |
| HPWAITNG | C | 001 | 0004 | 2941 |
| IAR | C | 001 | 0010 | 1368 |
| IARX | C | 001 | 0008 | 1406 |
| IOB | C | 001 | 0001 | 1369 |
| JCBDBFRA | C | 001 | 006F | 2599 |
| JCBDBCB | C | 001 | 0003 | 2511 |
| JCBDCIB | C | 001 | 0052 | 2558 |
| JCBDCRLB | C | 001 | 0010 | 2499 |
| JCBDCSBP | C | 001 | 0065 | 2595 |
| JCBDCTAG | C | 001 | 0028 | 2526 |
| JCBDDATE | C | 001 | 0009 | 2491 |
| JCBDDFRG | C | 001 | 0055 | 2564 |
| JCBDDTFA | C | 001 | 0054 | 2560 |
| JCBDELNG | C | 001 | 0010 | 2620 |
| JCBDERSV | C | 001 | 000F | 2619 |
| JCBDEXTA | C | 001 | 0031 | 2532 |
| JCBDFINA | C | 001 | 0050 | 2556 |
| JCBDFMND | C | 001 | 004C | 2550 |
| JCBDFSBF | C | 001 | 0014 | 2502 |
| JCBDFSB | C | 001 | 0012 | 2500 |
| JCBDFINIT | C | 001 | 0000 | 2415 |
| JCBDFNLK | C | 001 | 0005 | 2471 |
| JCBDFINT2 | C | 001 | 0001 | 2427 |
| JCBDFJID | C | 001 | 0047 | 2546 |
| JCBDFJBRG | C | 001 | 0057 | 2566 |
| JCBDFJOBV | C | 001 | 0061 | 2572 |
| JCBDFJOST | C | 001 | 005A | 2569 |
| JCBDFLANG | C | 001 | 0062 | 2575 |
| JCBDFCLA | C | 001 | 006F | 2600 |
| JCBDFLPG | C | 001 | 0048 | 2548 |
| JCBDFLP1* | C | 001 | 0006 | 2614 |
| JCBDFMENF | C | 001 | 005E | 2568 |
| JCBDFMNL | C | 001 | 0045 | 2544 |
| JCBDFMENU | C | 001 | 0043 | 2543 |
| JCBDFNFTF | C | 001 | 004E | 2554 |
| JCBDFPDAT | C | 001 | 000C | 2493 |

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| ERR | LOC | OBJECT | CODE | ADDR | STMT | SOURCE | STATEMENT |
|-----|-----|--------|------|------|----------|--------|--|
| | | | 002F | 1994 | SCACONFG | EQU | SCADSS10+2 2 SS OF CONFIGURATION RECORD 1995 * |
| | | | 0031 | 1996 | SCASHIST | EQU | SCACONFG+2 2 START SS OF HISTORY FILE |
| | | | 0033 | 1997 | SCAHFS12 | EQU | SCASHIST+2 2 SIZE OF HISTORY FILE |
| | | | 0035 | 1998 | SCAHFCUR | EQU | SCAHFS12+2 2 SS OF CURRENT HISTORY FILE ENTRY |

| ERR | LOC | OBJECT | CODE | ADDR |
|-----|-----|--------|------|------|
| | | | 005C | |
| | | | 0080 | |
| | | | 0040 | |
| | | | 0020 | |
| | | | 0001 | |

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|----|--------------------------------------|--|---|--|--|
| 15 | 408 * 409 * 410 * 411 ***** | ERROR - LEVEL 1 MSG REQUEST AND LEVEL 1 NOT SUPPORTED | * | 03810000 03820000 03830000 03840000 | 090A F2 90 08 090D C2 01 0000 0911 C2 02 0000 0915 F2 87 18 |
| 16 | 08D9 BC 48 0A 08DC CO 87 0CF1 | 413 MVI MCLDRETNC, XR2), MGRMLINS SET ERROR RETURN CODE 414 B MGRORRX CALL ERROR EXIT ROUTINE | | 03860000 03870000 | |
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|---------------------------------|----|-----------------|-------|-------|--|----------------------------------|---------------------|
| AGE 91 V09/11/81 12/08/81 00:29 | 01 | CROSS-REFERENCE | | | | PAGE 92 V09/11/81 12/08/81 00:29 | 01 |
| | 02 | SYMBOL | T LEN | VALUE | DEFN | REFERENCES | 02 |
| | 03 | F1AMXTND C 001 | 0080 | 1140 | | | JCBDPG1L C 001 0038 |
| | | F1FLAG C 001 | 001E | 1232 | 1236 | | JCBDPG2L C 001 0030 |
| | | F1RESTR C 001 | 00FF | 1234 | | | JCB0PLST C 001 0005 |
| | | F1SEND C 001 | 0027 | 1238 | | | JCB0PRG1 C 001 0033 |
| | 04 | F1SSTRT C 001 | 0021 | 1236 | | | JCB0PRG2 C 001 0035 |
| | | GETPANYP C 001 | 0020 | 2809 | | | JCB0PROG C 001 0028 |
| | | GETPHSIC C 001 | 0010 | 2810 | | | JCB0PSBP C 001 0018 |
| | 05 | GETPNOTC C 001 | 0008 | 2811 | | | JCB0RGS2 C 001 002A |
| | | HPASGERR C 001 | 0080 | 2936 | | | JCB0RTCD C 001 002F |
| | | HPCSSVC C 001 | 0010 | 2939 | | | JCB0SCH1 C 001 0002 |
| | 06 | HPERRPND C 001 | 0001 | 2943 | 2944 | | JCB0SCH2 C 001 0003 |
| | | HPHALTED C 001 | 0000 | 2944 | | | JCB0SCH3 C 001 0004 |
| | | HP12SVCA C 001 | 0020 | 2938 | | | JCB0SCH4 C 001 0063 |
| | 07 | HPNDSTRT C 001 | 0002 | 2942 | | | JCB0SCH5 C 001 0062 |
| | | HPNDTBSY C 001 | 0008 | 2940 | 2944 | | JCB0SLLC C 001 0040 |
| | | HPSTART C 001 | 0040 | 2937 | | | JCB0SLLR C 001 0055 |
| | 08 | HPWAITNG C 001 | 0004 | 2941 | 2944 | | JCB0SLOB C 001 0020 |
| | | IAR C 001 | 0010 | 1368 | | | JCB0SLST C 001 000E |
| | | IARX C 001 | 0008 | 1406 | 0199 0204 0224 0226 0230 0258 0273 0639 0641 | | JCB0SPID C 001 005C |
| | 09 | IOB C 001 | 0001 | 1369 | | | JCB0SSBA C 001 0001 |
| | | JCBDBFRA C 001 | 006F | 2599 | 2602 | | JCB0STAT C 001 0029 |
| | | JCBDBCCBA C 001 | 0003 | 2611 | 2612 | | JCB0UPST C 001 0006 |
| | 10 | JCBDCIBA C 001 | 0052 | 255d | 2560 | | JCB0UR1L C 001 003F |
| | | JCBDCRLB C 001 | 0010 | 2499 | 2500 | | JCB0UR2L C 001 0041 |
| | | JCBDCSBP C 001 | 0065 | 2595 | 2597 | | JCB0USER C 001 0060 |
| | 11 | JCBDCTAG C 001 | 0028 | 2526 | 2528 | | JCB0USR1 C 001 0037 |
| | | JCBDDATE C 001 | 0009 | 2491 | 2493 | | JCB0USR2 C 001 0039 |
| | | JCBDDFRG C 001 | 0056 | 2564 | 2566 | | JCB0VSBP C 001 0016 |
| | 12 | JCBDDTFA C 001 | 0054 | 2560 | 2562 | | JCB0VPRC C 001 0020 |
| | | JCBDELNG C 001 | 0010 | 2620 | | | JCBLLNTH C 001 0070 |
| | | JCBDETSV C 001 | 000F | 2619 | 2620 | | JCBMBTCH C 001 0010 |
| | 13 | JCBDEXTA C 001 | 0031 | 2532 | 2534 | | JCBMDEAD C 001 0008 |
| | | JCBDFINA C 001 | 0050 | 2556 | 2558 | | JCBMDKAL C 001 0020 |
| | | JCBDFMNO C 001 | 004C | 2550 | 2552 | | JCBMDMD C 001 ~02 |
| | 14 | JCBDFSFB C 001 | 0014 | 2502 | 2504 | | JCBMDPRD C 001 0004 |
| | | JCBDFSBL C 001 | 0012 | 2500 | 2502 | | JCBMDSRC C 001 0001 |
| | | JCBDFINIT C 001 | 0000 | 2415 | 2427 | | JCBMEIBA C 001 0001 |
| | 15 | JCBDFINLK C 001 | 0005 | 2471 | 2481 | | JCBMEOMP C 001 0004 |
| | | JCBDFINT2 C 001 | 0001 | 2427 | 2440 | | JCBMEVPR C 001 0004 |
| | | JCBDJRID C 001 | 0047 | 2546 | 2548 | | JCBMEXTD C 001 0001 |
| | 16 | JCBDJBRG C 001 | 0057 | 2566 | 2568 2569 | | JCBMFLIS C 001 0040 |
| | | JCBDJOBN C 001 | 0061 | 2572 | 2574 | | JCBMFLUC C 001 0010 |
| | | JCBDJQST C 001 | 005A | 2569 | 2570 | | JCBMHTPR C 001 0030 |
| | 17 | JCBDLANG C 001 | 0062 | 2575 | 2585 | | JCBMHCRC C 001 0008 |
| | | JCBDLCLA C 001 | 006F | 2600 | | | JCBMINT C 001 0010 |
| | | JCBDLNPG C 001 | 0048 | 2548 | 2550 | | JCBMINTP C 001 0002 |
| | 18 | JCBDLPI* C 001 | 0006 | 2614 | 2619 | | JCBMINTK C 001 0010 |
| | | JCBDMENF C 001 | 005E | 2568 | 2572 | | JCBMIPRC C 001 0008 |
| | | JCBDMENL C 001 | 0045 | 2544 | 2546 | | JCBMLIST C 001 0020 |
| | 19 | JCBDMENU C 001 | 0043 | 2543 | 2544 | | JCBMLOPR C 001 0010 |
| | | JCBDMNFT C 001 | 004E | 2554 | 2556 | | JCBMMDPR C 001 0020 |
| | 20 | JCBDPDAT C 001 | 000C | 2493 | 2495 | | JCBMNEXT C 001 0010 |

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|---------------------------------|----|---------------------------------|-------------|-----------|--------------|--|----|
| AGE 55 V09/11/81 12/08/81 00:29 | 01 | #MAXRF CROSS-REFERENCE RESOLVER | | | | PAGE 56 V09/11/81 12/08/81 00:29 | 01 |
| | 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | 02 |
| | | | | 005C 2048 | SCASYS2 EQU | SCASYS1+1 1 SYSTEM CONFIGURATION BYTE 6 | |
| | | | | 0080 2049 | SCAMATBS EQU | X'80' . X'80' - COMM TASK BEING ASSIGNED | |
| | | | | 0040 2050 | SCAMCCHK EQU | X'40' . X'40' - MASTER CONSOLE CHECK | |
| | 03 | | | 0020 2051 | SCAMHLP EQU | X'20' . X'20' - HIGH LEVEL DEDICATION | 03 |
| | | | | 0010 2052 | SCAMTPIP EQU | X'10' . X'10' - IPL - STARTUP PROC 1541 | |

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|----------|-----------------|-----|-----|------------------------|-------------------------|----------|--------------------|
| 03800000 | 0907 78 80 00 | 450 | TBN | MGRMTTIB(XR1),MGRMNSCA | IF SSS NOT IN SCA | 04230000 | 093F 80 02 00 0057 |
| 03810000 | 090A F2 90 08 | 451 | JF | MGR01725 | JCB IS THE BASE | 04240000 | 0944 F2 01 08 |
| 03820000 | | | | | | | |
| 03830000 | 0900 C2 01 0000 | 452 | LA | NURSCA, XR1 | SCA IS THE BASE | 04250000 | |
| 03840000 | 0911 C2 02 0000 | 453 | LA | NURSCA, XR2 | SET BASE REGISTER VALUE | 04260000 | |
| | 0915 F2 87 18 | 454 | J | MGR01750 | SKIP JCB BASE INFO | 04270000 | |
| 03860000 | | | | | | | |
| 03870000 | | | | | | | |
| | | | | | | | 0947 C2 02 0018 |
| | | | | | | | 094B BC 46 0A |
| | | | | | | | 094E C0 87 0CF1 |

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|----------------------------|----------------------------------|---|-----|-------|------|------------|------------|---|-----|-------|------|
| 2 V09/11/81 12/08/81 00:29 | PAGE 93 V09/11/81 12/08/81 00:29 | | | | | | | | | | |
| | CROSS-REFERENCE | | | | | | | | | | |
| | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | SYMBOL | T | LEN | VALUE | DEFN |
| | JCBDPG1L | C | 001 | 003B | 2538 | 2539 | JCBMINT | C | 001 | 0008 | 2422 |
| | JCBDPG2L | C | 001 | 003D | 2539 | 2540 | JCBMINTI | C | 001 | 0001 | 2459 |
| | JCBDPLST | C | 001 | 0005 | 2612 | 2614 | JCBMINDSC | C | 001 | 0004 | 2423 |
| | JCBDPRG1 | C | 001 | 0033 | 2534 | 2535 | JCBMINTTP | C | 001 | 0001 | 2438 |
| | JCBDPRG2 | C | 001 | 0035 | 2535 | 2536 | JCBMINTER | C | 001 | 0020 | 2419 |
| | JCBDPROG | C | 001 | 0028 | 2512 | 2514 | JCBMINTRA | C | 001 | 0080 | 2416 |
| | JCBDPSBP | C | 001 | 0018 | 2506 | 2508 | JCBMOPCL | C | 001 | 0080 | 2451 |
| | JCBDRGSZ | C | 001 | 002A | 2524 | 2526 | JCBMPGIS | C | 001 | 0020 | 2588 |
| | JCBDRTCO | C | 001 | 002F | 2530 | 2532 | JCBMPNEP | C | 001 | 0020 | 2454 |
| | JCBDSCH1 | C | 001 | 0002 | 2440 | 0267* 2450 | JCBMPRTY | C | 001 | 0040 | 2452 |
| | JCBDSCH2 | C | 001 | 0003 | 2450 | 2461 | JCBMPUCL | C | 001 | 0080 | 2441 |
| | JCBDSCH3 | C | 001 | 0004 | 2461 | 2471 | JCBMRCM | C | 001 | 0004 | 2477 |
| | JCBDSCH4 | C | 001 | 0063 | 2585 | 2595 | JCBMRDVC | C | 001 | 0010 | 2475 |
| | JCBDSCH5 | C | 001 | 0062 | 2574 | 2575 | JCBMRDVU | C | 001 | 0008 | 2476 |
| | JCBDSLLC | C | 001 | 004D | 2552 | 2554 | JCBMREGN | C | 001 | 0080 | 2428 |
| | JCBDSLLR | C | 001 | 0055 | 2562 | 2564 | JCBMREST | C | 001 | 0010 | 2465 |
| | JCBDSL0B | C | 001 | 002D | 2528 | 2530 | JCBMRINQ | C | 001 | 0002 | 2468 |
| | JCBDSLST | C | 001 | 000E | 2495 | 2499 | JCBMRRLC | C | 001 | 0040 | 2429 |
| | JCBDSPID | C | 001 | 005C | 2570 | | JCBMASET | C | 001 | 0001 | 2479 |
| | JCBDS5Ba | C | 001 | 0001 | 2610 | 2611 | JCBMRSNP | C | 001 | 0002 | 2437 |
| | JCBSTAT | C | 001 | 0029 | 2514 | 2524 | JCBMRTWA | C | 001 | 0020 | 2443 |
| | JCBDUPST | C | 001 | 0006 | 2481 | 2491 | JCBMRUNG | C | 001 | 0040 | 2417 |
| | JCBDUR1L | C | 001 | 003F | 2540 | 2541 | JCBMSCRIPT | C | 001 | 0008 | 2466 |
| | JCBDUR2L | C | 001 | 0041 | 2541 | 2543 | JCBMSELT | C | 001 | 0002 | 2478 |
| | JCBUSER | C | 001 | 006D | 2597 | 2599 2600 | JCBMSEQJ | C | 001 | 0080 | 2462 |
| | JCBUSR1 | C | 001 | 0037 | 2536 | 2537 | JCBMSLME | C | 001 | 0040 | 2577 |
| | JCBUSR2 | C | 001 | 0039 | 2537 | 2538 | JCBMSLOG | C | 001 | 0080 | 2472 |
| | JCBWSBP | C | 001 | 0016 | 2504 | 2506 | JCBMSLOG | C | 001 | 0002 | 2521 |
| | JCBD1PRC | C | 001 | 0020 | 2508 | 2512 | JCBMSOFF | C | 001 | 0040 | 2463 |
| | JCBLLNTH | C | 001 | 0070 | 2602 | | JCBMSPCK | C | 001 | 0002 | 2592 |
| | JCBMBTCH | C | 001 | 0010 | 2455 | | JCBMSPRC | C | 001 | 0020 | 2464 |
| | JCBMDEAD | C | 001 | 0008 | 2445 | | JCBMSRAL | C | 001 | 0008 | 2590 |
| | JCBMDKAL | C | 001 | 0020 | 2474 | | JCBMSYLB | C | 001 | 0080 | 2576 |
| | JCBMDOPD | C | 001 | 0002 | 2447 | | JCBMSYSN | C | 001 | 0040 | 2473 |
| | JCBMDOPD | C | 001 | 0004 | 2457 | | JCBMTMLK | C | 001 | 0080 | 2586 |
| | JCBMDSRC | C | 001 | 0001 | 2469 | | JCBMUPS1 | C | 001 | 0080 | 2482 |
| | JCBMETBa | C | 001 | 0001 | 2593 | | JCBMUPS2 | C | 001 | 0040 | 2483 |
| | JCBMEOMP | C | 001 | 0004 | 2467 | | JCBMUPS3 | C | 001 | 0020 | 2484 |
| | JCBMEVPR | C | 001 | 0004 | 2591 | | JCBMUPS4 | C | 001 | 0010 | 2485 |
| | JCBMEXTD | C | 001 | 0001 | 2522 | | JCBMUPS5 | C | 001 | 0008 | 2486 |
| | JCBMFLIS | C | 001 | 0040 | 2587 | | JCBMUPS6 | C | 001 | 0004 | 2487 |
| | JCBMFLUC | C | 001 | 0010 | 2444 | | JCBMUPS7 | C | 001 | 0002 | 2488 |
| | JCBMHTPR | C | 001 | 0030 | 2430 | | JCBMUPS8 | C | 001 | 0001 | 2489 |
| | JCBMHCRC | C | 001 | 0008 | 2456 | | JCBMUSLB | C | 001 | 0004 | 2435 |
| | JCBMINTHT | C | 001 | 0010 | 2421 | | JCBMUDKT | C | 001 | 0020 | 2517 |
| | JCBMINTQP | C | 001 | 0002 | 2458 | | JCBMUDSK | C | 001 | 0010 | 2518 |
| | JCBMINTK | C | 001 | 0010 | 2589 | | JCBMUINT | C | 001 | 0008 | 2519 |
| | JCBMIPRC | C | 001 | 0008 | 2434 | | JCBMILIN | C | 001 | 0040 | 2516 |
| | JCBMLIST | C | 001 | 0020 | 2578 | | JCBMLIPK | C | 001 | 0004 | 2520 |
| | JCBMLOPR | C | 001 | 0010 | 2432 | | JCBMLPNT | C | 001 | 0080 | 2515 |
| | JCBMMDPR | C | 001 | 0020 | 2431 | | JCBMJTCD | C | 001 | 0004 | 2446 |
| | JCBMNEXT | C | 001 | 0010 | 2579 | | JCBMXREF | C | 001 | 0040 | 2442 |

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|----------------------------|----------------------------------|-------------|------|------|----------|---|---------|-------------|------|------|--------|-----------|
| 2 V09/11/81 12/08/81 00:29 | PAGE 57 V09/11/81 12/08/81 00:29 | | | | | | | | | | | |
| | **MAXRF CROSS-REFERENCE RESOLVER | | | | | | | | | | | |
| | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
| | | | 0040 | 2102 | SCAMCOUT | EQU X'40' . CONSOLE READY TO OUTPUT MESSAGE | | | | | | |
| | | | 0020 | 2103 | SCAMHELP | EQU X'20' . HELP FEATURE ACTIVE | | | | | | IR31 |
| | | | 0010 | 2104 | SCAMPAP | EQU X'10' . C. P. WSQS ASSIGN FAILURE | | | | | | IR31 |
| | | | 0008 | 2105 | SCAMMSBL | EQU X'08' . REBUILD - EXECUTE REBUILD | | | | | | |

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|----------|----|--------------------|-----|----------|---|-------------------------|----------|---------------------|
| 04230000 | 14 | 093F 8D 02 00 OD57 | 489 | CLC | ZERO(THREE, XR2), MGRZROS IF SSS POINTER NOT ZERO | 04600000 | 14 | 0982 0C 02 0099 003 |
| 04240000 | | 0944 F2 01 0B | 490 | JNE | MGR01775 | SKIP ERROR | | |
| 04250000 | 15 | | 491 | | ***** | 04620000 | 15 | |
| 04260000 | | | 492 | * | | 04630000 | | |
| 04270000 | 16 | | 493 | * | ERROR - NULL MSG MEMBER POINTER | 04640000 | 16 | |
| | | | 494 | * | | 04650000 | | |
| | | | 495 | | ***** | 04660000 | | |
| | 17 | 0947 C2 02 0D1B | 497 | MGR01760 | EQU * | 04680000 | 17 | |
| | | 094B BC 46 0A | 498 | LA | MGRDLIST, XR2 | 04690000 | | |
| | | 094E C0 87 0CF1 | 499 | MVI | MCLDRETN(C, XR2), MGRMPN NULL POINTER | 04700000 | | |
| | 18 | | 500 | B | MGR0ERRX | CALL ERROR EXIT ROUTINE | 04710000 | 18 |
| | 19 | | | | | | 19 | |
| | 20 | | | | | | 20 | |

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| 93 V09/11/81 12/08/81 00:29 | | | | | | PAGE 94 V09/11/81 12/08/81 00:29 | | | |
| 01 | | CROSS-REFERENCE | | | | | | 01 | |
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | 02 | SYMBOL T LEN VALUE | |
| 03 | JCBMMPRT | C | 001 | 0008 | 2422 | | 03 | JCBMMPRT C 001 0001 | |
| | JCBMNONI | C | 001 | 0001 | 2459 | | | JCBMMLDJ C 001 0001 | |
| | JCBMNOSC | C | 001 | 0004 | 2423 | | | JCBMMLDS C 001 0002 | |
| 04 | JCBMNRTP | C | 001 | 0001 | 2438 | | 04 | JCBM15CP C 001 0008 | |
| | JCBMNTER | C | 001 | 0020 | 2419 | | | JCBM4LPI C 001 0004 | |
| | JCBMNTRA | C | 001 | 0080 | 2416 | | | JCBM6LPI C 001 0006 | |
| 05 | JCBMDPCL | C | 001 | 0080 | 2451 | | 05 | JCBM4LPI C 001 0008 | |
| | JCBMPGIS | C | 001 | 0020 | 2588 | | | JCBSLCRT C 001 EEEE | |
| | JCBMPNEP | C | 001 | 0020 | 2454 | | | JCBSLOFF C 001 0000 | |
| 06 | JCBMPRTY | C | 001 | 0040 | 2452 | | 06 | KKKDFLAG C 001 000A | |
| | JCBMPUCL | C | 001 | 0080 | 2441 | | | KKKDGAT1 C 001 0009 | |
| | JCBMRCSM | C | 001 | 0004 | 2477 | | | KKKDGFS C 001 0005 | |
| 07 | JCBMRDVC | C | 001 | 0010 | 2475 | | 07 | KKKDGFSZ C 001 0007 | |
| | JCBMRDVJ | C | 001 | 0008 | 2476 | | | KKKDGPA C 001 0001 | |
| | JCBMREGN | C | 001 | 0080 | 2428 | | | KKKDGTCB C 001 0003 | |
| 08 | JCBMREST | C | 001 | 0010 | 2465 | | 08 | KKKDGTSZ C 001 0008 | |
| | JCBMRINQ | C | 001 | 0002 | 2468 | | | KKKORTAN C 001 000F | |
| | JCBMRCLL | C | 001 | 0040 | 2429 | | | KKKORTVS C 001 000E | |
| 09 | JCBMRSET | C | 001 | 0001 | 2479 | | 09 | KKKDSYS C 001 0000 | |
| | JCBMRSNP | C | 001 | 0002 | 2437 | | | KKKDWOR C 001 000C | |
| | JCBMRTWA | C | 001 | 0020 | 2443 | | | KKKMDKB C 001 0001 | |
| 10 | JCBMRUNG | C | 001 | 0040 | 2417 | | | KKKMLENG C 001 0010 | |
| | JCBMSCRT | C | 001 | 0008 | 2466 | | | KKKINDEX C 001 0004 | |
| | JCBMSELT | C | 001 | 0002 | 2478 | | | KKKMDXRF C 001 0002 | |
| | JCBMSE0J | C | 001 | 0080 | 2462 | | | KKKMSWAP C 001 0080 | |
| 11 | JCBMSLMG | C | 001 | 0040 | 2577 | | 11 | LCS*ACDR C 001 000E | |
| | JCBMSLOG | C | 001 | 0080 | 2472 | | | LCS*ACMB C 001 001C | |
| 12 | JCBMSLOP | C | 001 | 0002 | 2521 | | 12 | LCS*AVDR C 001 0010 | |
| | JCBMSOFF | C | 001 | 0040 | 2463 | | | LCS*AVMB C 001 0021 | |
| | JCBMSPCCK | C | 001 | 0002 | 2592 | | | LCSEODR C 001 000C | |
| 13 | JCBMSPRC | C | 001 | 0020 | 2464 | | 13 | LCSEOLB C 001 0006 | |
| | JCBMSRAL | C | 001 | 0008 | 2590 | | | LCSEOMB C 001 001A | |
| | JCBMSYLB | C | 001 | 0080 | 2576 | | | LCSNOMB C 001 001F | |
| | JCBMSYSN | C | 001 | 0040 | 2473 | | | LCSOXRF C 001 0080 | |
| 14 | JCBMTMLK | C | 001 | 0080 | 2586 | | 14 | LCSPADS C 001 0027 | |
| | JCBMUPS1 | C | 001 | 0080 | 2482 | | | LCSRESV C 001 0014 | |
| | JCBMUPS2 | C | 001 | 0040 | 2483 | | | LCSRUNCP C 001 0040 | |
| 15 | JCBMUPS3 | C | 001 | 0020 | 2484 | | 15 | LCSSCP S C 001 0024 | |
| | JCBMUPS4 | C | 001 | 0010 | 2485 | | | LCSSODR C 001 0009 | |
| | JCBMUPS5 | C | 001 | 0008 | 2486 | | | LCSSOLB C 001 0003 | |
| 16 | JCBMUPS6 | C | 001 | 0004 | 2487 | | 16 | LCSSOMB C 001 0017 | |
| | JCBMUPS7 | C | 001 | 0002 | 2488 | | | LCSSOSGN C 001 0008 | |
| | JCBMUPS8 | C | 001 | 0001 | 2489 | | | LCSSCHS C 001 0000 | |
| 17 | JCBMUSLB | C | 001 | 0004 | 2435 | | 17 | LDIFCHREQ C 001 0040 | |
| | JCBMMDKT | C | 001 | 0020 | 2517 | | | LDINPROG C 001 0080 | |
| | JCBMMDSK | C | 001 | 0010 | 2518 | | | LOGTFULL C 001 00FF | |
| 18 | JCBMJINT | C | 001 | 0008 | 2519 | | 18 | MLCA3ZK C 001 0001 | |
| | JCBMMLIN | C | 001 | 0040 | 2516 | | | MPIOBERR C 001 0008 | |
| | JCBMMPMX | C | 001 | 0004 | 2520 | | | NINE C 001 0009 | |
| 19 | JCBMMPNT | C | 001 | 0080 | 2515 | | 19 | NOBIT C 001 0000 | |
| | JCBMWTCD | C | 001 | 0004 | 2446 | | | NOOP C 001 0080 | |
| 20 | JCBMXREF | C | 001 | 0040 | 2442 | 0267 | 20 | NPRV C 001 0001 | |

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| 57 V09/11/81 12/08/81 00:29 | | | | | | PAGE 58 V09/11/81 12/08/81 00:29 | | |
| 01 | **MAXRF CROSS-REFERENCE RESOLVER | | | | | | 01 | **MAXRF CROSS-REFERENCE |
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | 02 | ERR LOC OBJECT CODE |
| | | | 0008 | 2156 | SCAMACMG | EQU X'08' . DISPLAY ADDR COMPARE DUMP MESSAGE | | |
| | | | 0004 | 2157 | SCAMACDP | EQU X'04' . ADDRESS COMPARE DUMP WAS TAKEN | | |
| 03 | | | 0002 | 2158 | SCAMACSP | EQU X'02' . TASK SUSPENDED BY ADDR COMP DUMP | 03 | |
| | | | 0001 | 2159 | SCAMACT | EQU X'01' TRACE TO DISK ACTIVE | | |

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|----------------------------------|----|----------------------|-----|-----|------------------------------------|----------------------|
| 04600000 04610000 | 14 | 0982 OC 02 0099 0031 | 535 | MVC | MGRPI0BD*3\$TOB0SS(THREE),MGRDTSS5 | 05050000 05060000 |
| 04620000 04630000 | 15 | | | | | |
| 04640000 04650000 04660000 | 16 | | | | | |
| 04680000 04690000 | 17 | | | | | |
| 04700000 04710000 | 18 | | | | | |
| | 19 | | | | | |
| | 20 | | | | | |

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|--|----|-----------------|-------|-------|-------------|
| | 14 | 09B1 F2 90 44 | 568 | | |
| | 15 | 09B7 B8 02 01 | 571 | 0987 | 570 MGR0200 |
| | 16 | 09BA F2 90 3B | 572 | | |
| | 17 | | 573 | ***** | |
| | 17 | | 574 * | | |
| | 17 | | 575 * | | |
| | 17 | | 576 * | | |
| | 18 | | 577 | ***** | |
| | 18 | 09BD C2 01 0081 | 580 | 09BD | 579 MGR0210 |
| | 19 | 09C1 7C A1 03 | 581 | | |
| | 19 | 09C4 7C 00 08 | 582 | | |
| | 20 | 09C7 7C 00 04 | 583 | | |

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|--------------|----|----------------------------------|---|-----|-------|-----------------|
| /08/81 00:29 | 01 | PAGE 95 V09/11/81 12/08/81 00:29 | | | | |
| | | CROSS-REFERENCE | | | | |
| | 02 | SYMBOL | T | LEN | VALUE | DEFN REFERENCES |
| | 03 | JCBMYMDD | C | 001 | 0001 | 2448 |
| | 03 | JCBM1LDJ | C | 001 | 0001 | 2425 |
| | 03 | JCBM1LDS | C | 001 | 0002 | 2424 |
| | 04 | JCBM1SCP | C | 001 | 0008 | 2580 |
| | 04 | JCBMALPI | C | 001 | 0004 | 2615 |
| | 04 | JCBM6LPI | C | 001 | 0006 | 2616 |
| | 04 | JCBM8LPI | C | 001 | 0008 | 2617 |
| | 05 | JCBSLCRT | C | 001 | EEEE | 2497 |
| | 05 | JCBSLOFF | C | 001 | 0000 | 2496 |
| | 06 | KKKDFLAG | C | 001 | 000A | 1617 0272* 1627 |
| | 06 | KKKDGAT1 | C | 001 | 0009 | 1607 1617 |
| | 06 | KKKDFSS | C | 001 | 0005 | 1601 1603 |
| | 07 | KKKDFSZ | C | 001 | 0007 | 1603 1605 |
| | 07 | KKKDGPA | C | 001 | 0001 | 1597 1599 |
| | 07 | KKKDGTCB | C | 001 | 0003 | 1599 1601 |
| | 07 | KKKDGTSZ | C | 001 | 0008 | 1605 1607 |
| | 08 | KKKORTW | C | 001 | 000F | 1632 1634 |
| | 08 | KKKORTWS | C | 001 | 000E | 1631 1632 |
| | 08 | KKKDSYS | C | 001 | 0000 | 1595 1597 |
| | 09 | KKKDWDRK | C | 001 | 000C | 1627 1631 |
| | 09 | KKKMKDKB | C | 001 | 0001 | 1625 |
| | 10 | KKKMLENG | C | 001 | 0010 | 1634 |
| | 10 | KKKINDEX | C | 001 | 0004 | 1623 |
| | 10 | KKKMXRF | C | 001 | 0002 | 1624 0272 |
| | 11 | KKKMSWAP | C | 001 | 0080 | 1608 |
| | 11 | LCS#ACDR | C | 001 | 000E | 1260 1261 |
| | 11 | LCS#ACMB | C | 001 | 001C | 1266 1267 |
| | 12 | LCS#AVDR | C | 001 | 0010 | 1261 1262 |
| | 12 | LCS#AVMB | C | 001 | 0021 | 1269 1270 |
| | 12 | LCSEODR | C | 001 | 000C | 1258 1260 |
| | 13 | LCSEQLB | C | 001 | 0006 | 1255 1256 |
| | 13 | LCSEOMB | C | 001 | 001A | 1265 1266 |
| | 13 | LCSNOMB | C | 001 | 001F | 1267 1269 |
| | 14 | LCSOXRF | C | 001 | 0080 | 1250 0245 |
| | 14 | LCSPADSZ | C | 001 | 0027 | 1271 |
| | 14 | LCSRESV | C | 001 | 0014 | 1262 1264 |
| | 15 | LCSRUNCP | C | 001 | 0040 | 1251 |
| | 15 | LCSSCPSZ | C | 001 | 0024 | 1270 1271 |
| | 15 | LCSSODR | C | 001 | 0009 | 1256 1258 |
| | 16 | LCSSOLB | C | 001 | 0003 | 1254 1255 |
| | 16 | LCSSOMB | C | 001 | 0017 | 1264 1265 |
| | 16 | LCSSYSGN | C | 001 | 0008 | 1252 0245 |
| | 17 | LCSMCHS | C | 001 | 0000 | 1249 1254 |
| | 17 | LDIFCHREQ | C | 001 | 0040 | 2808 |
| | 17 | LDINPROG | C | 001 | 0080 | 2807 |
| | 18 | LOGTFULL | C | 001 | 00FF | 2896 |
| | 18 | MLCA32K | C | 001 | 0001 | 2719 |
| | 18 | MPI0BERR | C | 001 | 0008 | 2714 |
| | 19 | NINE | C | 001 | 0009 | 1386 |
| | 19 | NOBIT | C | 001 | 0000 | 1393 |
| | 19 | NOOP | C | 001 | 0080 | 1392 0693 |
| | 20 | NPRV | C | 001 | 0001 | 1410 |

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|--|----|----------------------------------|---|-----|-------|------------------|
| | 01 | PAGE 95 V09/11/81 12/08/81 00:29 | | | | |
| | | CROSS-REFERENCE | | | | |
| | 02 | SYMBOL | T | LEN | VALUE | DEFN REFERENCES |
| | 03 | NUMBITS | C | 001 | 000F | 1394 |
| | 03 | ONE | C | 001 | 0001 | 1378 0419 |
| | 03 | OP1 | C | 001 | 0002 | 1408 0199 0204 0 |
| | 04 | OP2 | C | 001 | 0004 | 1407 0199 0204 0 |
| | 04 | PRV | C | 001 | 0000 | 1409 0199 0204 0 |
| | 04 | PSIPLF1 | C | 001 | 0004 | 2717 |
| | 05 | PSIPL11 | C | 001 | 0002 | 2718 |
| | 05 | PSR | C | 001 | 0004 | 1366 |
| | 05 | QCPLAIT | C | 001 | 0008 | 1719 |
| | 06 | QFRMEXM | C | 001 | 0004 | 1716 |
| | 06 | QWAIT | C | 001 | 0008 | 1718 1726 1727 1 |
| | 06 | QNHPR1 | C | 001 | 0018 | 1727 |
| | 07 | QNR | C | 001 | 0010 | 1721 1726 1727 |
| | 07 | QNRNV | C | 001 | 0019 | 1726 |
| | 07 | QNRREF | C | 001 | 0002 | 1713 |
| | 08 | QREFRESH | C | 001 | 0001 | 1712 |
| | 08 | QSCT | C | 001 | 0010 | 1720 |
| | 08 | QSPEC | C | 001 | 0009 | 1728 |
| | 09 | QSYSREQ | C | 001 | 0004 | 1715 |
| | 09 | QTOEXM | C | 001 | 0008 | 1717 |
| | 09 | QWAIT | C | 001 | 0001 | 1711 0712 1726 1 |
| | 10 | QXLOFF | C | 001 | 0004 | 1714 |
| | 10 | QXRZ | C | 001 | 0020 | 1722 |
| | 10 | QXU | C | 001 | 0040 | 1723 |
| | 11 | QO | C | 001 | 0000 | 1724 0262 |
| | 11 | Q1 | C | 001 | 0001 | 1710 |
| | 11 | RAFA | C | 001 | 001A | 1784 |
| | 12 | RALLOC | C | 001 | 000C | 1770 |
| | 12 | RCHKPT | C | 001 | 0030 | 1806 |
| | 12 | RCL0SE | C | 001 | 0003 | 1761 |
| | 13 | RCMD | C | 001 | 002C | 1802 |
| | 13 | RCPERR | C | 001 | 0010 | 1787 |
| | 13 | RCPT | C | 001 | 0015 | 1779 |
| | 14 | RCPTC | C | 001 | 001F | 1789 |
| | 14 | RCPTMINT | C | 001 | 003D | 2982 |
| | 14 | RDALOC | C | 001 | 000D | 1771 |
| | 15 | RDNCALL | C | 001 | 0013 | 1777 |
| | 15 | REQJ | C | 001 | 0004 | 1762 |
| | 15 | REXTND | C | 001 | 002E | 1804 |
| | 16 | REXTNP | C | 001 | 003B | 1817 |
| | 16 | REXTRA | C | 001 | 0037 | 1813 |
| | 17 | RFIND | C | 001 | 0001 | 1759 |
| | 17 | RFINDLIB | C | 001 | 0019 | 1783 |
| | 17 | RGLFAC | C | 001 | 003A | 1816 |
| | 17 | RGLFR | C | 001 | 0039 | 1815 |
| | 18 | RICDA | C | 001 | 0032 | 1808 |
| | 18 | RICDB | C | 001 | 0033 | 1809 |
| | 18 | RICDC | C | 001 | 0034 | 1810 |
| | 19 | RICDD | C | 001 | 003D | 1819 |
| | 19 | RINFO | C | 001 | 000F | 1773 |
| | 19 | RIDERR | C | 001 | 002D | 1803 |
| | 20 | RLTBPY | C | 001 | 000A | 1768 |

C26

| | | | | | | |
|--------------|----|----------------------------------|-------------|------|------|---|
| /08/81 00:29 | 01 | PAGE 59 V09/11/81 12/08/81 00:29 | | | | |
| | | **MAXRF CROSS-REFERENCE RESOLVER | | | | |
| | 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| | 02 | | | 0095 | 2210 | SCADRE0J EQU SCADLIN#4 4 END-OF-JOB SVC |
| | 02 | | | 0095 | 2211 | SCATPLW5 EQU SCADRE0J 2 IPL WORK AREA |
| | 02 | | | 0092 | 2212 | SCADREJ0 EQU SCADRE0J-3 . START OF END-OF-JOB SVC |

| | | | | | | |
|--|----|----------------------------------|-------------|------|------|--------------------|
| | 01 | PAGE 59 V09/11/81 12/08/81 00:29 | | | | |
| | | **MAXRF CROSS-REFERENCE RESOLVER | | | | |
| | 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| | 02 | | | | | 2264 * |
| | 02 | | | | | 2265 * |
| | 02 | | | | | 00AB 2266 SCADCFG9 |

05050000
05060000

| | | | | | | |
|----|-----------------|-----|-----|-------------------------|-------------------------|----------------------|
| 14 | 09B4 F2 87 06 | 569 | J | MGRO2100 | RETRIEVE FROM LANG 2 | 05380000 |
| 15 | 09B7 B8 02 01 | 571 | TBN | MCLDMSGNK(XR2),MCLMLNGZ | IF NOT LANG 2 REQUEST | 05390000 05400000 |
| 16 | 09B8 F2 90 38 | 572 | JF | MGRO2200 | RETRIEVE FROM LANG 1 | 05410000 |
| 17 | | 573 | * | ***** | | 05420000 |
| | | 574 | * | ***** | | 05430000 |
| | | 575 | * | 2ND LANGUAGE REQUEST | | 05440000 |
| | | 576 | * | ***** | | 05450000 |
| | | 577 | * | ***** | | 05460000 |
| 18 | 09B9 C2 01 0081 | 580 | LA | MGRPTOBD,XR1 | XR1 -> IOB | 05480000 |
| 19 | 09C1 7C A1 03 | 581 | MVI | \$IOBDCMD(XR1),\$FDREAD | READ | 05490000 |
| | 09C4 7C 00 08 | 582 | MVI | \$IOBDNB(XR1),ZERO | 1 SECTOR (FIRST SECTOR) | 05500000 |
| 20 | 09C7 7C 00 04 | 583 | MVI | \$IOBDMDR(XR1),\$FDDATA | OF DATA | 05510000 05520000 |

09E8
09E8 0C 02 0037 0031
09EE 4E 02 18 00A8
09F3 1C 02 0031 18

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| CROSS-REFERENCE | | PAGE 96 V09/11/81 12/08/81 00:29 | |
|-----------------|-------------|----------------------------------|--|
| SYMBOL | T LEN VALUE | DEFN | REFERENCES |
| NUMBITS | C 001 000F | 1394 | |
| ONE | C 001 0001 | 1378 | 0419 |
| OP1 | C 001 0002 | 1408 | 0199 0204 0226 0230 0273 0641 |
| OP2 | C 001 0004 | 1407 | 0199 0204 0224 0230 0273 0641 |
| PRV | C 001 0000 | 1409 | 0199 0204 0224 0226 0230 0258 0273 0639 0641 |
| PSIPLF1 | C 001 0004 | 2717 | |
| PSIPLI1 | C 001 0002 | 2718 | |
| PSR | C 001 0004 | 1366 | |
| QCPWAIT | C 001 0008 | 1719 | |
| QFRMEXM | C 001 0004 | 1716 | |
| QWAIT | C 001 0008 | 1718 | 1726 1727 1728 |
| QWCHPRI | C 001 0018 | 1727 | |
| QWQ | C 001 0010 | 1721 | 1726 1727 |
| QWQWV | C 001 0019 | 1726 | |
| QWREF | C 001 0002 | 1713 | |
| QWREFRESH | C 001 0001 | 1712 | |
| QSCT | C 001 0010 | 1720 | |
| QSPEC | C 001 0009 | 1728 | |
| QSYSREQ | C 001 0004 | 1715 | |
| QTOEXM | C 001 0008 | 1717 | |
| QWAIT | C 001 0001 | 1711 | 0712 1726 1728 |
| QXLOFF | C 001 0004 | 1714 | |
| QXR2 | C 001 0020 | 1722 | |
| QXU | C 001 0040 | 1723 | |
| QO | C 001 0000 | 1724 | 0262 |
| Q1 | C 001 0001 | 1710 | |
| RAFA | C 001 001A | 1784 | |
| RALLOC | C 001 000C | 1770 | |
| RCHKPT | C 001 0030 | 1806 | |
| RCLDSE | C 001 0003 | 1761 | |
| RCMD | C 001 002C | 1802 | |
| RCPPER | C 001 001D | 1787 | |
| RCPRT | C 001 0015 | 1779 | |
| RCPTC | C 001 001F | 1789 | |
| RCTMINT | C 001 003D | 2982 | |
| RDALOC | C 001 000D | 1771 | |
| RDMCALL | C 001 0013 | 1777 | |
| REQJ | C 001 0004 | 1762 | |
| REXTND | C 001 002E | 1804 | |
| REXTNP | C 001 003B | 1817 | |
| REXTRA | C 001 0037 | 1813 | |
| RFIND | C 001 0001 | 1759 | |
| RFINDLIB | C 001 0019 | 1783 | |
| RGLFAC | C 001 003A | 1816 | |
| RGLFR | C 001 0039 | 1815 | |
| RTCDA | C 001 0032 | 1808 | |
| RTCOB | C 001 0033 | 1809 | |
| RTCDC | C 001 0034 | 1810 | |
| RTCDD | C 001 003D | 1819 | |
| RINFO | C 001 000F | 1773 | |
| RIOERR | C 001 002D | 1803 | |
| RLIBRY | C 001 000A | 1768 | |

| SYMBOL | T LEN VALUE | DEFN | REFERENCES |
|----------|-------------|------|------------|
| RLOPEN | C 001 0016 | 1780 | |
| ROFFLINE | C 001 0027 | 1797 | |
| ROPEN | C 001 0002 | 1760 | |
| RPGLT | C 001 0012 | 1776 | |
| RPRALGN | C 001 0014 | 1778 | |
| RPRAZ | C 001 0028 | 1801 | |
| RRODM | C 001 0041 | 1823 | |
| RRSVDOO | C 001 0000 | 1758 | |
| RSALOC | C 001 000E | 1772 | |
| RSETX | C 001 0020 | 1790 | |
| RSGET | C 001 0008 | 1766 | |
| RSIN | C 001 0007 | 1765 | |
| RSLIST | C 001 0006 | 1764 | |
| RSLOG | C 001 0005 | 1763 | |
| RSNFC | C 001 003C | 1818 | |
| RSMSG | C 001 0009 | 1767 | |
| RSNAP | C 001 0011 | 1775 | |
| RSORT | C 001 0036 | 1812 | |
| RSPALC | C 001 001C | 1786 | |
| RSPMIC | C 001 0031 | 1807 | |
| RSPPOOL | C 001 0018 | 1785 | |
| RSPQNG | C 001 0043 | 1825 | 18 |
| RSVNR | C 001 0022 | 1792 | |
| RSVTX | C 001 0035 | 1811 | |
| RSWSDM | C 001 0018 | 1782 | |
| RTTC | C 001 001E | 1788 | |
| RUPDAT | C 001 002F | 1805 | |
| RVTOCFD | C 001 000B | 1769 | |
| RVTORD | C 001 0010 | 1774 | |
| RWDAF | C 001 002A | 1794 | |
| RWDCP | C 001 002A | 1800 | |
| RWDDA | C 001 0026 | 1796 | |
| RWDDB | C 001 0021 | 1791 | |
| RWDDG | C 001 0023 | 1793 | |
| RWDDH | C 001 0028 | 1798 | |
| RWDDL | C 001 0038 | 1814 | |
| RWDDO | C 001 0025 | 1795 | |
| RWDDQ | C 001 0029 | 1799 | |
| RWDDT | C 001 003F | 1821 | |
| RWDDC | C 001 003E | 1820 | |
| RWDHH | C 001 0042 | 1824 | |
| RWJEG | C 001 0040 | 1822 | |
| RWSDM | C 001 0017 | 1781 | |
| RXTEND | C 001 0043 | 1826 | 182 |
| SAVXR1 | A 002 0482 | 0910 | 064 |
| SAVXR2 | A 002 0484 | 0911 | 064 |
| SCAPJDM | C 001 0083 | 2294 | 229 |
| SCAPJDM | C 001 0083 | 2295 | |
| SCAPJDB0 | C 001 00AD | 2291 | |
| SCAPJDB1 | C 001 00AF | 2292 | |
| SCAPJDB2 | C 001 00B1 | 2293 | |
| SCAPJDB3 | C 001 00B5 | 2301 | |

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| MAXRF CROSS-REFERENCE RESOLVER | | PAGE 60 V09/11/81 12/08/81 00:29 | |
|--------------------------------|-------------|-----------------------------------|---------------------------------|
| ERR LOC | OBJECT CODE | ADDR STMT | SOURCE STATEMENT |
| 02 | | 2264 * | EQU X'01' . RESERVED R8 |
| | | 2265 * | |
| | | 00A8 2266 SCADCF69 EQU SCADCF68+1 | 1 REMOTE CONFIGURATION BYTE R3 |

| MAXRF CROSS-REFERENCE RESOLVER | |
|--------------------------------|-------------|
| ERR LOC | OBJECT CODE |
| 02 | 231 |
| | 00C1 231 |
| | 231 |

05370000
05380000
05390000
05400000
05410000
05420000
05430000
05440000
05450000
05460000
05480000
05490000
05500000
05510000
05520000

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|----|--|----------|
| 14 | 617 * (SAVE THE OLD SSS IN CASE CAN'T FIND MSG IN 2ND) * | 05860000 |
| | 618 * * | 05870000 |
| | 619 ***** | 05880000 |
| 15 | 09E8 621 MGRO2150 EQU * | 05900000 |
| | 09E8 0C 02 0037 0031 622 MVC MGRDOSS1<THREE>,MGRDTSSS SAVE 1ST LANG SSS | 05910000 |
| | 09EE 4E 02 18 00A8 623 ALC \$I0BDSS<THREE,XR1>,MGRBTOBS+MGRMRSS2 ADD 2ND'S REL S/D | 05920000 |
| 16 | 09F3 1C 02 0031 18 624 MVC MGRDTSS<THREE>,\$I0BDSS<,XR1) SET START SS OF 2ND | 05930000 |

05860000
05870000
05880000
05900000
05910000
05920000
05930000

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| | | | | | | |
|----|-----------------|---|-----|-------|----------------------------------|------------|
| 01 | CROSS-REFERENCE | | | | PAGE 97 V09/11/81 12/08/81 00:29 | |
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
| | RLOPEN | C | 001 | 0016 | 1780 | |
| 03 | ROFFLINE | C | 001 | 0027 | 1797 | |
| | ROPEN | C | 001 | 0002 | 1760 | |
| | RPGHLT | C | 001 | 0012 | 1776 | |
| 04 | RPRALGN | C | 001 | 0014 | 1778 | |
| | RPRA2 | C | 001 | 0028 | 1801 | |
| | RRDDM | C | 001 | 0041 | 1823 | |
| 05 | RRSVD00 | C | 001 | 0000 | 1758 | |
| | RSALOC | C | 001 | 000E | 1772 | |
| | RSETX | C | 001 | 0020 | 1790 | |
| 06 | RSGET | C | 001 | 0008 | 1766 | |
| | RSTN | C | 001 | 0007 | 1765 | |
| | RSLIST | C | 001 | 0006 | 1764 | |
| 07 | RSLOG | C | 001 | 0005 | 1763 | |
| | RSMFC | C | 001 | 003C | 1818 | |
| | RSMG | C | 001 | 0009 | 1767 | |
| 08 | RSNAP | C | 001 | 0011 | 1775 | |
| | RSORT | C | 001 | 0036 | 1812 | |
| | RSPALC | C | 001 | 001C | 1786 | |
| 09 | RSPMIC | C | 001 | 0031 | 1807 | |
| | RSPool | C | 001 | 001B | 1785 | |
| | RSPQMG | C | 001 | 0043 | 1825 | 1826 |
| 10 | RSVNR | C | 001 | 0022 | 1792 | |
| | RSVTX | C | 001 | 0035 | 1811 | |
| | RSWSDM | C | 001 | 0018 | 1782 | |
| 11 | RTTC | C | 001 | 001E | 1788 | |
| | RUPDAT | C | 001 | 002F | 1805 | |
| | RVTOCFD | C | 001 | 000B | 1769 | |
| 12 | RVTORD | C | 001 | 0010 | 1774 | |
| | RWDAF | C | 001 | 0024 | 1794 | |
| | RWDCP | C | 001 | 002A | 1800 | |
| 13 | RWDDA | C | 001 | 0026 | 1796 | |
| | RWDDB | C | 001 | 0021 | 1791 | |
| | RWDDG | C | 001 | 0023 | 1793 | |
| 14 | RWDDH | C | 001 | 0028 | 1798 | |
| | RWDDL | C | 001 | 0038 | 1814 | |
| | RWDDO | C | 001 | 0025 | 1795 | |
| 15 | RWDDQ | C | 001 | 0029 | 1799 | |
| | RWDDT | C | 001 | 003F | 1821 | |
| | RWDDU | C | 001 | 003E | 1820 | |
| 16 | RWDHH | C | 001 | 0042 | 1824 | |
| | RWEGE | C | 001 | 0040 | 1827 | |
| | RWSDM | C | 001 | 0017 | 1781 | |
| 17 | RXTEND | C | 001 | 0043 | 1826 | 1828 1829 |
| | SAVXR1 | A | 002 | 0482 | 0910 | 0648* 0658 |
| | SAVXR2 | A | 002 | 0484 | 0911 | 0649* 0659 |
| 18 | SCA#J0JH | C | 001 | 00B3 | 2294 | 2295 |
| | SCA#J0JH | C | 001 | 00B3 | 2295 | |
| | SCA#J0B0 | C | 001 | 00AD | 2291 | |
| 19 | SCA#J0B1 | C | 001 | 00AF | 2292 | |
| | SCA#J0B2 | C | 001 | 00B1 | 2293 | |
| 20 | SCA#J0B3 | C | 001 | 00B5 | 2301 | |

| | | | | | | |
|----|-----------|---|-----|-------|------|------|
| 01 | SYMBOL | T | LEN | VALUE | DEFN | REF |
| | SCA#2KMS | C | 001 | 000C | 1865 | 1866 |
| 03 | SCACKRST | C | 001 | 0080 | 2352 | |
| | SCACNFG | C | 001 | 002F | 1994 | 1999 |
| | SCACSATB | C | 001 | 0084 | 2144 | 2144 |
| 04 | SCACSIZE | C | 001 | 0011 | 1908 | 1911 |
| | SCACS16K | C | 001 | 0004 | 1909 | |
| | SCAD#NZK | C | 001 | 007A | 2135 | 2137 |
| 05 | SCAD#TUB | C | 001 | 0052 | 2024 | 2024 |
| | SCADABCT | C | 001 | 0077 | 2113 | 2111 |
| | SCADBSCT | C | 001 | 0053 | 2026 | 2026 |
| 06 | SCADCFG5 | C | 001 | 00A8 | 2280 | 2290 |
| | SCADCFG1 | C | 001 | 0012 | 1911 | 1920 |
| | SCADCFG2 | C | 001 | 0013 | 1926 | 1930 |
| 07 | SCADCFG3 | C | 001 | 0014 | 1939 | 1949 |
| | SCADCFG6 | C | 001 | 00C4 | 2349 | 2361 |
| | SCADCFG7 | C | 001 | 009F | 2229 | 2249 |
| 08 | SCADCFG8 | C | 001 | 00A7 | 2256 | 2266 |
| | SCADCFG9 | C | 001 | 00A8 | 2266 | 2278 |
| | SCADCF52 | C | 001 | 000B | 1863 | 1865 |
| 09 | SCADCMTR | C | 001 | 0018 | 1962 | 1978 |
| | SCADCONT | C | 001 | 0093 | 2214 | |
| | SCADCPK0 | C | 001 | 0040 | 2019 | |
| 10 | SCADCP51 | C | 001 | 0070 | 2090 | 2100 |
| | SCADCP52 | C | 001 | 0071 | 2100 | 2110 |
| | SCADCP53 | C | 001 | 00C3 | 2339 | 2349 |
| 11 | SCADCP54 | C | 001 | 00C0 | 2307 | 2317 |
| | SCADCP#B | C | 001 | 0082 | 2142 | 2144 |
| | SCADCPYR | C | 001 | 00FF | 2397 | 2399 |
| 12 | SCADCSPI | C | 001 | 008C | 2151 | 2161 |
| | SCADCSPI2 | C | 001 | 008D | 2161 | 2171 |
| 13 | SCADCSPI3 | C | 001 | 008E | 2171 | 2181 |
| | SCADCTUT | C | 001 | 0060 | 2064 | 2066 |
| | SCADDATE | C | 001 | 005F | 2062 | 2064 |
| 14 | SCADDAY | C | 001 | 005F | 2061 | 2062 |
| | SCADDMIC | C | 001 | 0001 | 1843 | |
| | SCADFI1ST | C | 001 | 0051 | 2023 | 2024 |
| 15 | SCADHFWK | C | 001 | 00A4 | 2251 | 2254 |
| | SCADICSA | C | 001 | 00C6 | 2361 | 2363 |
| | SCADKCFG | C | 001 | 0040 | 1878 | |
| 16 | SCADKKG0 | C | 001 | 00D8 | 2385 | 0271 |
| | SCADKLR | C | 001 | 006B | 2080 | 2083 |
| | SCADLBF1 | C | 001 | 004F | 2021 | 0225 |
| | SCADLIN# | C | 001 | 0091 | 2183 | 2210 |
| 17 | SCADMATR | C | 001 | 00E0 | 2399 | |
| | SCADMCFG | C | 001 | 0079 | 2125 | 2135 |
| | SCADMCTR | C | 001 | 007B | 2137 | 2138 |
| 18 | SCADMERP | C | 001 | 0040 | 2018 | 2019 |
| | SCADMGOI | C | 001 | 0073 | 2110 | 2111 |
| 19 | SCADMID# | C | 001 | 007E | 2139 | 2140 |
| | SCADMINTH | C | 001 | 005E | 2060 | 2061 |
| | SCADMID# | C | 001 | 0017 | 1960 | 1962 |
| 20 | SCADMINT | C | 001 | 008B | 2149 | 2151 |

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| | | | | | |
|----|--------------------------------|-------------|------|------|---|
| 01 | MAXRF CROSS-REFERENCE RESOLVER | | | | PAGE 61 V09/11/81 12/08/81 00:29 |
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| | | | | | 2318 * 00C1 2319 SCADXMID1 EQU SCADXMID-1 . EXAM IDS 1-7 |
| | | | | | 2320 * EQU X'80' RESERVED |

| | | | | |
|----|--------------------------------|-------------|------|----------------------|
| 01 | MAXRF CROSS-REFERENCE RESOLVER | | | |
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT |
| | | | | 2372 2373 2374 |

| | | | |
|----|--|----------|---------------------|
| 14 | 688 ***** | 06570000 | 732 |
| | 689 * | 06580000 | 733 |
| | 690 * LOCATE THE MESSAGE WITHIN THE SECTOR JUST READ BY SCAN IOS * | 06590000 | 734 |
| | 691 * | 06600000 | 735 |
| 15 | 692 ***** | 06610000 | |
| | 0A52 694 MGR02400 EQU * | 06630000 | 0A8B C2 01 0DA2 737 |
| 16 | 0A52 C2 01 0DA4 695 LA MGRBTOBS+MGRMBRS,XR1 XR1 -> START OF MSG IN BUF | 06640000 | 0ABF 34 01 0D50 738 |
| | 0A56 3C 00 0D43 696 MVI MGR0DSMG-1,ZERO 0 LEFT BYTE RCD START DSP | 06650000 | |
| | 0A5A 34 01 0D50 697 ST MGR0MRCO,XR1 SAVE MSG RECORD START @ | 06660000 | |
| 17 | 0A5E 78 40 00 698 TBN MGR0MRFBC,(XR1),MGR0MRSI IF THIS MSG SPANNED IN | 06670000 | |
| | 0A61 F2 10 45 699 JT MGR02425 SKIP FOLLOWING CHECKS | 06680000 | |

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|-----------------|----------------|----------------------------------|--------------------------|
| | | PAGE 99 V09/11/81 12/08/81 00:29 | |
| CROSS-REFERENCE | | | |
| 02 | SYMBOL | T LEN VALUE | DEFN REFERENCES |
| 03 | SCADMTUB C 001 | 006D 2085 | 2086 |
| | SCADPIND C 001 | 0010 1904 | 1908 |
| | SCADPSVC C 001 | 0000 1846 | 1847 |
| | SCADPTUB C 001 | 006F 2086 | 2090 |
| 04 | SCADREJA C 001 | 0092 2212 | 2214 |
| | SCADREL* C 001 | 0016 1959 | 1960 |
| | SCADREJ C 001 | 0095 2210 | 2211 2212 2216 |
| 05 | SCADRFR C 001 | 00CE 2363 | 2365 |
| | SCADRSCZ C 001 | 007F 2140 | 2141 |
| | SCADRSEC C 001 | 00A2 2249 | 2251 |
| 06 | SCADRSPC C 001 | 00BF 2305 | 2307 |
| | SCADSBFF C 001 | 004B 2016 | 2018 |
| | SCADSCIM C 001 | 007D 2138 | 2139 |
| 07 | SCADSDLP C 001 | 009E 2227 | 2229 |
| | SCADSDLS C 001 | 009D 2226 | 2227 |
| | SCADSECA C 001 | 0076 2111 | 2113 |
| 08 | SCADSEC2 C 001 | 0080 2141 | 2142 |
| | SCADSEUA C 001 | 0057 2030 | 2031 |
| | SCADSEUQ C 001 | 0059 2031 | 2032 2034 |
| 09 | SCADSL0G C 001 | 005A 2034 | 2038 |
| | SCADSL0T C 001 | 008A 2147 | 2149 |
| | SCADSNAT C 001 | 0090 2181 | 2183 |
| 10 | SCADSN1 C 001 | 009B 2224 | 2225 |
| | SCADSN7 C 001 | 009C 2225 | 2226 |
| | SCADSP1A C 001 | 000A 1861 | 1863 |
| 11 | SCADSSQ C 001 | 0099 2220 | 2222 |
| | SCADSSCS C 001 | 002B 1991 | 1992 |
| | SCADSS10 C 001 | 002D 1992 | 1994 |
| 12 | SCADSSJQ C 001 | 0044 2005 | 2007 |
| | SCADSSMS C 001 | 0029 1990 | 1991 |
| | SCADSSPF C 001 | 00D9 2387 | 0269 |
| 13 | SCADSSPR C 001 | 0047 2007 | 2015 |
| | SCADSSVC C 001 | 0005 1848 | 1850 |
| | SCADTBUF C 001 | 0097 2216 | 2218 |
| 14 | SCADTKSZ C 001 | 00AA 2278 | 2280 |
| | SCADTLOK C 001 | 0002 2178 | |
| | SCADTRSZ C 001 | 009A 2222 | 2224 |
| 15 | SCADUCFG C 001 | 00D6 2365 | 2366 2367 2368 2369 2385 |
| | SCADUDT1 C 001 | 00D5 2366 | |
| | SCADUDT2 C 001 | 00D3 2367 | |
| 16 | SCADUDT3 C 001 | 00D1 2368 | |
| | SCADUDT4 C 001 | 00CF 2369 | |
| | SCADVICE C 001 | 0055 2028 | 2030 |
| 17 | SCADWDBR C 001 | 00B7 2303 | 2305 |
| | SCADWDBT C 001 | 00AC 2290 | 2291 2292 2293 2294 2301 |
| | SCADWRK@ C 001 | 00A6 2254 | 2256 |
| 18 | SCADWSQS C 001 | 0098 2218 | 2220 |
| | SCADXM1D C 001 | 00C2 2317 | 2319 2329 2339 |
| | SCADXM11 C 001 | 00C1 2319 | |
| 19 | SCADXM12 C 001 | 00C2 2329 | |
| | SCADXS1T C 001 | 00B5 2146 | 2147 |
| 20 | SCADXSVC C 001 | 0003 1847 | |

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| | | PAGE 63 V09/11/81 12/08/81 00:29 | |
| **MAXRF CROSS-REFERENCE RESOLVER | | | |
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | |
| 02 | | 2407 * JCBEQ | 07840000 |
| | | 2409 ***** | |

| | | | |
|----|-----------------|----------|-----|
| 14 | | 06570000 | 732 |
| | | 06580000 | 733 |
| | | 06590000 | 734 |
| | | 06600000 | 735 |
| 15 | 0A8B C2 01 0DA2 | | 737 |
| | 0ABF 34 01 0D50 | | 738 |

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|----------------------------------|---------------------|----------------------------------|--|
| | | PAGE 63 V09/11/81 12/08/81 00:29 | |
| **MAXRF CROSS-REFERENCE RESOLVER | | | |
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | |
| 02 | | 0004 2461 JC | |
| | | 0080 2462 JC | |

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06570000
06580000
06590000
06600000
06610000
06630000
06640000
06650000
06660000
06670000
06680000

732 * MIC 0000 MUST BE IN THIS SECTOR IF IT EXISTS
733 *
734 *
735 *****
0A8B C2 01 ODA2 737 LA MGRBIOBS+MGRMRCDS,XR1 XR1 -> MSG RCD ST
0A8F 34 01 OD50 738 ST MGRMRCDS,XR1 SAVE THIS VALUE

07010000
07020000
07030000
07040000
07060000
07070000

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| CROSS-REFERENCE | | | | |
|-----------------|---|-----|-------|-----------------|
| SYMBOL | T | LEN | VALUE | DEFN REFERENCES |
| SCADXTA | C | 001 | 0078 | 2115 2125 |
| SCADYEAR | C | 001 | 0050 | 2059 2060 |
| SCAFVTOC | C | 001 | 001E | 1981 1982 |
| SCAFVTON | C | 001 | 0020 | 1982 1984 |
| SCAHFCUR | C | 001 | 0035 | 1998 2000 |
| SCAHFERR | C | 001 | 0080 | 2039 |
| SCAHFSIZ | C | 001 | 0033 | 1997 1998 |
| SCAIPLW1 | C | 001 | 0060 | 2082 |
| SCAIPLW1 | C | 001 | 0068 | 2083 |
| SCAIPLW5 | C | 001 | 0095 | 2211 |
| SCAIPLW6 | C | 001 | 0059 | 2032 |
| SCAIVTOC | C | 001 | 0022 | 1984 1985 |
| SCAIVTON | C | 001 | 0023 | 1985 1987 |
| SCALOGSS | C | 001 | 0027 | 1988 1990 |
| SCAMACDP | C | 001 | 0004 | 2157 |
| SCAMACDV | C | 001 | 0010 | 2155 |
| SCAMACMG | C | 001 | 0008 | 2156 |
| SCAMACSP | C | 001 | 0002 | 2158 |
| SCAMACU1 | C | 001 | 0008 | 2200 |
| SCAMACU2 | C | 001 | 0004 | 2201 |
| SCAMACU3 | C | 001 | 0002 | 2202 |
| SCAMACU4 | C | 001 | 0001 | 2203 |
| SCAMALL | C | 001 | 0040 | 2092 |
| SCAMARNR | C | 001 | 0040 | 2153 |
| SCAMATBS | C | 001 | 0080 | 2049 |
| SCAMAUTO | C | 001 | 0080 | 1912 |
| SCAMAXRG | C | 001 | 000E | 1871 1873 |
| SCAMBADG | C | 001 | 0040 | 2282 |
| SCAMBSCA | C | 001 | 0080 | 1940 |
| SCAMBVS | C | 001 | 0015 | 1949 1959 |
| SCAMCHK | C | 001 | 0040 | 2050 |
| SCAMCFER | C | 001 | 0020 | 2174 |
| SCAMCFG5 | C | 001 | 0004 | 1955 |
| SCAMCLOG | C | 001 | 0010 | 1953 |
| SCAMCLOK | C | 001 | 0002 | 2045 |
| SCAMCMDE | C | 001 | 0001 | 1937 |
| SCAMCNAT | C | 001 | 0080 | 1927 |
| SCAMCOUT | C | 001 | 0040 | 2102 |
| SCAMCPAF | C | 001 | 0010 | 2104 |
| SCAMCPL | C | 001 | 0080 | 2091 |
| SCAMCRAW | C | 001 | 0008 | 1917 |
| SCAMCRT | C | 001 | 0010 | 2036 |
| SCAMDATE | C | 001 | 0008 | 2053 |
| SCAMDCKF | C | 001 | 0040 | 2341 |
| SCAMDEAD | C | 001 | 0001 | 1957 |
| SCAMDELE | C | 001 | 0004 | 2106 |
| SCAMDFA | C | 001 | 0010 | 2355 |
| SCAMDOM | C | 001 | 0002 | 2055 |
| SCAMDPOK | C | 001 | 00A5 | 1905 |
| SCAMDPLUS | C | 001 | 005A | 1906 |
| SCAMDREC | C | 001 | 0080 | 2126 |
| SCAMDSIZ | C | 001 | 0001 | 1886 |

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| MAXRF CROSS-REFERENCE RESOLVER | | | | |
|--------------------------------|-------------|------|------|--|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| 02 | | 0004 | 2461 | JCBDSCH3 EQU JCBDSCH2+1 SCHEDULER BYTE THREE |
| | | 0080 | 2462 | JCBMSEQJ EQU X'80' SYSLOG - SUPPRESS 2 OPTION HALT |

MAXRF CROSS-REFERENCE RESOLVER

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
|---------|-------------|------|------|--|
| 02 | | 0004 | 2461 | JCBDSCH3 EQU JCBDSCH2+1 SCHEDULER BYTE THREE |
| | | 0080 | 2462 | JCBMSEQJ EQU X'80' SYSLOG - SUPPRESS 2 OPTION HALT |

07010000
07020000
07030000
07040000

07060000
07070000

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0ADC C2 02 0018
0AEO C0 07 09F0

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CROSS-REFERENCE

| 01 | 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
|----|----------|--------|-----|------|-------|------|------------|
| 03 | SCAMDSKS | C | 001 | 0081 | 1885 | | |
| | SCAMDUAL | C | 001 | 0080 | 1874 | | |
| | SCAMEDDM | C | 001 | 0001 | 2359 | | |
| | SCAMEJCT | C | 001 | 0004 | 2044 | | |
| 04 | SCAMERP | C | 001 | 0001 | 2098 | | |
| | SCAMFAIL | C | 001 | 0010 | 2165 | | |
| | SCAMFLOC | C | 001 | 0010 | 2241 | | |
| 05 | SCAMFORX | C | 001 | 0020 | 2164 | | |
| | SCAMFUND | C | 001 | 0004 | 2345 | | |
| | SCAMHALC | C | 001 | 0020 | 2239 | | |
| 06 | SCAMHDEL | C | 001 | 0040 | 2233 | | |
| | SCAMHELP | C | 001 | 0020 | 2103 | | |
| | SCAMHFM | C | 001 | 0020 | 2236 | | |
| 07 | SCAMHLD | C | 001 | 0020 | 2051 | | |
| | SCAMHVSZ | C | 001 | 000F | 2245 | | |
| | SCAMHWRP | C | 001 | 0080 | 2230 | | |
| 08 | SCAMICR1 | C | 001 | 0008 | 2166 | | |
| | SCAMICR2 | C | 001 | 0002 | 2168 | | |
| | SCAMICS | C | 001 | 0004 | 1945 | | |
| 09 | SCAMIEXC | C | 001 | 0008 | 2356 | | |
| | SCAMIOCL | C | 001 | 0010 | 2343 | | |
| | SCAMIPL | C | 001 | 0010 | 2042 | 0259 | 0640 |
| 10 | SCAMIPLA | C | 001 | 0080 | 2069 | | |
| | SCAMIPLC | C | 001 | 0040 | 2040 | | |
| | SCAMIPUP | C | 001 | 0010 | 2052 | | |
| 11 | SCAMIOBQ | C | 001 | 0020 | 1929 | | |
| | SCAMIQFM | C | 001 | 0002 | 1921 | | |
| | SCAMIQHD | C | 001 | 0004 | 1919 | | |
| 12 | SCAMIQS | C | 001 | 0004 | 2096 | | |
| | SCAMKEYS | C | 001 | 0080 | 2101 | | |
| | SCAMKKF | C | 001 | 0080 | 2388 | 0269 | |
| 13 | SCAMKMSG | C | 001 | 0002 | 1936 | | |
| | SCAMLATF | C | 001 | 0008 | 2344 | | |
| | SCAMLCAF | C | 001 | 0002 | 1946 | | |
| 14 | SCAMLGER | C | 001 | 0080 | 2162 | | |
| | SCAMLIN1 | C | 001 | 0080 | 2195 | | |
| | SCAMLIN2 | C | 001 | 0040 | 2196 | | |
| 15 | SCAMLIN3 | C | 001 | 0020 | 2197 | | |
| | SCAMLIN4 | C | 001 | 0010 | 2198 | | |
| | SCAMLSMF | C | 001 | 0020 | 2322 | | |
| 16 | SCAMLOTR | C | 001 | 0020 | 2118 | | |
| | SCAMLOTX | C | 001 | 0040 | 2117 | | |
| | SCAML1TR | C | 001 | 0001 | 1970 | | |
| 17 | SCAML1TX | C | 001 | 0010 | 1966 | | |
| | SCAM2TR | C | 001 | 0002 | 1969 | | |
| | SCAM2TX | C | 001 | 0020 | 1965 | | |
| 18 | SCAM3TR | C | 001 | 0004 | 1968 | | |
| | SCAM3TX | C | 001 | 0040 | 1964 | | |
| | SCAM4TR | C | 001 | 0008 | 1967 | | |
| 19 | SCAM4TX | C | 001 | 0080 | 1963 | | |
| | SCAMD32 | C | 001 | 0080 | 1950 | | |
| 20 | SCAMMLCA | C | 001 | 0080 | 2172 | | |

| 01 | 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
|----|-----------|--------|-----|------|-------|------|------------|
| 03 | SCAMPRIJE | C | 001 | 0040 | 1942 | | |
| | SCAMPSBL | C | 001 | 0008 | 2105 | | |
| | SCAMPDOD | C | 001 | 0001 | 2347 | | |
| | SCAMPOTTO | C | 001 | 0001 | 1947 | | |
| 04 | SCAMPPIE | C | 001 | 0002 | 1956 | | |
| | SCAMPPOVK | C | 001 | 0040 | 2163 | | |
| | SCAMPREP | C | 001 | 0001 | 2046 | | |
| 05 | SCAMPRT | C | 001 | 00E0 | 2035 | | |
| | SCAMPRI0 | C | 001 | 0001 | 2383 | | |
| | SCAMPRI20 | C | 001 | 0002 | 2382 | | |
| 06 | SCAMPRI40 | C | 001 | 0004 | 2381 | | |
| | SCAMPRI80 | C | 001 | 0008 | 2380 | | |
| | SCAMPUSF | C | 001 | 0040 | 1928 | | |
| 07 | SCAMPBLD | C | 001 | 0008 | 2043 | | |
| | SCAMPFCG | C | 001 | 0002 | 2274 | | |
| | SCAMPRLP | C | 001 | 0020 | 2342 | | |
| 08 | SCAMPSEC | C | 001 | 0080 | 2281 | | |
| | SCAMPNAV | C | 001 | 0040 | 2269 | | |
| | SCAMPJCF | C | 001 | 0001 | 2275 | | |
| 09 | SCAMPRAFT | C | 001 | 0010 | 2271 | | |
| | SCAMPRIUV | C | 001 | 0020 | 2270 | | |
| | SCAMPUS | C | 001 | 0008 | 1944 | | |
| 10 | SCAMPUSA | C | 001 | 0080 | 2267 | | |
| | SCAMPUSP | C | 001 | 0040 | 2258 | | |
| | SCAMPUSV | C | 001 | 0008 | 2272 | | |
| 11 | SCAMP2K | C | 001 | 0000 | 1869 | | 18 |
| | SCAMPACT | C | 001 | 0010 | 1915 | | |
| | SCAMPSEC | C | 001 | 0002 | 2097 | | |
| 12 | SCAMPFLG | C | 001 | 0008 | 1954 | | |
| | SCAMPIZE | C | 001 | 0006 | 1850 | | 18 |
| | SCAMPJE | C | 001 | 0020 | 2093 | | |
| 13 | SCAMPNF | C | 001 | 0020 | 1952 | | |
| | SCAMPNFC | C | 001 | 0020 | 2354 | | |
| | SCAMPNFN | C | 001 | 0040 | 1951 | | |
| 14 | SCAMPNA | C | 001 | 0010 | 1943 | | |
| | SCAMPSPB | C | 001 | 0001 | 1924 | | |
| | SCAMPSPG | C | 001 | 0020 | 1914 | | |
| 15 | SCAMPSPOL | C | 001 | 0010 | 1930 | | |
| | SCAMPSPRK | C | 001 | 0040 | 2321 | | |
| | SCAMPJRJE | C | 001 | 0020 | 1941 | | |
| 16 | SCAMPST | C | 001 | 0008 | 2095 | | |
| | SCAMPSUBS | C | 001 | 0004 | 2357 | | |
| | SCAMPSPAP | C | 001 | 0004 | 2273 | | |
| 17 | SCAMP32K | C | 001 | 0010 | 1856 | | |
| | SCAMP48K | C | 001 | 0018 | 1855 | | |
| | SCAMP564K | C | 001 | 0020 | 1854 | | |
| 18 | SCAMP96K | C | 001 | 0030 | 1853 | | |
| | SCAMPACT | C | 001 | 0001 | 2159 | | |
| | SCAMTELL | C | 001 | 0001 | 2108 | | |
| 19 | SCAMTOLD | C | 001 | 0002 | 2107 | | |
| | SCAMPUSF | C | 001 | 0002 | 2358 | | |
| 20 | SCAMPMLD | C | 001 | 0080 | 2308 | | |

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MAXRF CROSS-REFERENCE RESOLVER

| 01 | ERR | LOC | OBJECT | CODE | ADDR | STMT | SOURCE | STATEMENT |
|----|-----|-----|--------|------|------|------|----------|--|
| 02 | | | | | 0080 | 2515 | JCBMWPNT | EQU X'80' WAITING FOR PRINTER |
| | | | | | 0040 | 2516 | JCBMMLIN | EQU X'40' WAITING FOR COMMUNICATION LINE |

MAXRF CROSS-REFERENCE RESOLVER

| 01 | ERR | LOC | OBJECT | CODE | ADDR | STMT | SOURCE | STATEMENT |
|----|-----|-----|--------|------|------|------|--------|-----------|
| 02 | | | | | 005A | 2515 | | 005C |

| | | | | | | |
|----|-----------------|-----|----|--------------|-----------------------------|----------|
| 13 | OADC C2 02 0D1B | 797 | LA | MGRDLIST.XR2 | SET SWITCH TO 1ST DUNE UNCL | 07660000 |
| 14 | OAE0 CO 87 09F8 | 798 | B | MGR02200 | XR2 -> SAVED USER PLIST | 07660000 |
| 15 | | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | | | | | | |
| 19 | | | | | | |
| 20 | | | | | | |

| | | |
|----|-----------------|----|
| 13 | OB08 B8 01 01 | 83 |
| 14 | OB0E F2 90 0D | 83 |
| 15 | OB11 BD E1 06 | 83 |
| 16 | OB14 F2 04 11 | 83 |
| 17 | OB17 3C E1 0D39 | 83 |
| 18 | OB18 F2 87 0A | 83 |
| 19 | | |
| 20 | | |

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| 01 | CROSS-REFERENCE | | | | | |
|----|-----------------|---|-----|-------|------|------------|
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
| 03 | SCAMRJE | C | 001 | 0040 | 1942 | |
| 03 | SCAMMSBL | C | 001 | 0008 | 2105 | |
| 03 | SCAMODDD | C | 001 | 0001 | 2347 | |
| 04 | SCAMOTTO | C | 001 | 0001 | 1947 | |
| 04 | SCAMPIE | C | 001 | 0002 | 1956 | |
| 04 | SCAMPVOK | C | 001 | 0040 | 2163 | |
| 05 | SCAMPREP | C | 001 | 0001 | 2046 | |
| 05 | SCAMPRT | C | 001 | 00E0 | 2035 | |
| 05 | SCAMPRI0 | C | 001 | 0001 | 2383 | |
| 06 | SCAMP20 | C | 001 | 0002 | 2382 | |
| 06 | SCAMP40 | C | 001 | 0004 | 2381 | |
| 06 | SCAMP80 | C | 001 | 0008 | 2380 | |
| 07 | SCAMPUSF | C | 001 | 0040 | 1928 | |
| 07 | SCAMRBLD | C | 001 | 0008 | 2043 | |
| 07 | SCAMRCFG | C | 001 | 0002 | 2274 | |
| 08 | SCAMRILP | C | 001 | 0020 | 2342 | |
| 08 | SCAMRSEC | C | 001 | 0080 | 2281 | |
| 08 | SCAMRUV | C | 001 | 0040 | 2269 | |
| 09 | SCAMRWF | C | 001 | 0001 | 2275 | |
| 09 | SCAMRWT | C | 001 | 0010 | 2271 | |
| 09 | SCAMRUV | C | 001 | 0020 | 2270 | |
| 10 | SCAMRWS | C | 001 | 0008 | 1944 | |
| 10 | SCAMRWSA | C | 001 | 0080 | 2267 | |
| 10 | SCAMRWS | C | 001 | 0040 | 2258 | |
| 11 | SCAMRWSV | C | 001 | 0008 | 2272 | |
| 11 | SCAMS2K | C | 001 | 0000 | 1869 | 1871 |
| 11 | SCAMSACT | C | 001 | 0010 | 1915 | |
| 12 | SCAMSEC | C | 001 | 0002 | 2097 | |
| 12 | SCAMSFLG | C | 001 | 0008 | 1954 | |
| 12 | SCAMSIZE | C | 001 | 0006 | 1850 | 1858 |
| 13 | SCAMSJE | C | 001 | 0020 | 2093 | |
| 13 | SCAMSMF | C | 001 | 0020 | 1952 | |
| 13 | SCAMSMFC | C | 001 | 0020 | 2354 | |
| 14 | SCAMSMFM | C | 001 | 0040 | 1951 | |
| 14 | SCAMSNA | C | 001 | 0010 | 1943 | |
| 14 | SCAMSPB | C | 001 | 0001 | 1924 | |
| 15 | SCAMSPGP | C | 001 | 0020 | 1914 | |
| 15 | SCAMSPOL | C | 001 | 0010 | 1930 | |
| 15 | SCAMSPRK | C | 001 | 0040 | 2321 | |
| 16 | SCAMSRJE | C | 001 | 0020 | 1941 | |
| 16 | SCAMSSST | C | 001 | 0008 | 2095 | |
| 16 | SCAMSUBS | C | 001 | 0004 | 2357 | |
| 17 | SCAMSWAP | C | 001 | 0004 | 2273 | |
| 17 | SCAMS2K | C | 001 | 0010 | 1856 | |
| 17 | SCAMS48K | C | 001 | 0018 | 1855 | |
| 18 | SCAMS64K | C | 001 | 0020 | 1854 | |
| 18 | SCAMS96K | C | 001 | 0030 | 1853 | |
| 18 | SCAMTACT | C | 001 | 0001 | 2159 | |
| 19 | SCAMTELL | C | 001 | 0001 | 2108 | |
| 19 | SCAMTOLD | C | 001 | 0002 | 2107 | |
| 19 | SCAMUASF | C | 001 | 0002 | 2358 | |
| 20 | SCAMMHLD | C | 001 | 0080 | 2308 | |

| 01 | SYMBOL | T | LEN | VALUE | DEFN | REF |
|----|----------|---|-----|-------|------|------|
| 03 | SCAMMDR | C | 001 | 0004 | 1932 | |
| 03 | SCAMMDPK | C | 001 | 0008 | 1931 | |
| 03 | SCAMMSCB | C | 001 | 0040 | 2173 | |
| 04 | SCAMUSE | C | 001 | 0010 | 2094 | |
| 04 | SCAMUTC | C | 001 | 0004 | 2054 | |
| 04 | SCAMKTRA | C | 001 | 0080 | 2116 | |
| 05 | SCAMK21 | C | 001 | 0001 | 2395 | |
| 05 | SCAMK215 | C | 001 | 0002 | 2346 | |
| 05 | SCAMK211 | C | 001 | 0088 | 2205 | |
| 06 | SCAMK212 | C | 001 | 0044 | 2206 | |
| 06 | SCAMK213 | C | 001 | 0022 | 2207 | |
| 06 | SCAMK214 | C | 001 | 0011 | 2208 | |
| 07 | SCAMKYD | C | 001 | 0001 | 2056 | |
| 07 | SCAM0128 | C | 001 | 0001 | 2078 | |
| 07 | SCAM0256 | C | 001 | 0002 | 2077 | |
| 08 | SCAM0512 | C | 001 | 0004 | 2076 | |
| 08 | SCAM065M | C | 001 | 0041 | 1899 | |
| 08 | SCAM1FM | C | 001 | 0010 | 2074 | |
| 09 | SCAM10MG | C | 001 | 0000 | 1891 | |
| 09 | SCAM1024 | C | 001 | 0008 | 2075 | |
| 09 | SCAM1255 | C | 001 | 0080 | 2152 | |
| 10 | SCAM128K | C | 001 | 0040 | 1852 | |
| 10 | SCAM13MG | C | 001 | 0001 | 1890 | |
| 10 | SCAM130M | C | 001 | 00C1 | 1900 | |
| 11 | SCAM195M | C | 001 | 00E1 | 1901 | |
| 11 | SCAM2FM | C | 001 | 0020 | 2073 | |
| 11 | SCAM2FM | C | 001 | 0040 | 2072 | |
| 12 | SCAM256K | C | 001 | 0080 | 1851 | |
| 12 | SCAM260M | C | 001 | 00D1 | 1902 | |
| 12 | SCAM27MG | C | 001 | 0081 | 1889 | |
| 13 | SCAM2PC | C | 001 | 0040 | 1897 | |
| 13 | SCAM5MG | C | 001 | 0001 | 1898 | |
| 14 | SCA0VER | C | 001 | 0020 | 2041 | |
| 14 | SCARDFIT | C | 001 | 0067 | 2068 | 2080 |
| 14 | SCARDVOL | C | 001 | 0066 | 2066 | 2068 |
| 14 | SCASDISK | C | 001 | 000F | 1873 | 1904 |
| 15 | SCASHIST | C | 001 | 0031 | 1996 | 1997 |
| 15 | SCASHMSG | C | 001 | 0038 | 2001 | 2002 |
| 15 | SCASLOSS | C | 001 | 0025 | 1987 | 1988 |
| 16 | SCASMSG1 | C | 001 | 0038 | 2000 | 2001 |
| 16 | SCASMSG2 | C | 001 | 0041 | 2003 | 2005 |
| 16 | SCASPARK | C | 001 | 0040 | 2127 | |
| 17 | SCASSTWA | C | 001 | 001A | 1978 | 1979 |
| 17 | SCASTOPS | C | 001 | 0080 | 2340 | |
| 17 | SCASMSG | C | 001 | 003E | 2002 | 2003 |
| 18 | SCASYS | C | 001 | 0000 | 1841 | 1843 |
| 18 | SCASYS1 | C | 001 | 0058 | 2038 | 0259 |
| 18 | SCASYS2 | C | 001 | 005C | 2048 | 2059 |
| 19 | SCATMSG2 | C | 001 | 001C | 1979 | 1981 |
| 19 | SCAUSERA | C | 001 | 0049 | 2015 | 2016 |
| 19 | SCAZK0AD | C | 001 | 0008 | 1858 | 1861 |
| 20 | SCAZK0K | C | 001 | 0000 | 1859 | |

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| 01 | #MAXRF CROSS-REFERENCE RESOLVER | | | | |
|----|---------------------------------|-------------|------|------|---|
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT |
| 02 | | | | | 005A 2569 JCB0JQST EQU JCB0JBRG+3 JOB QUEUE JOB START TIME (JOBQ JOBS) |
| | | | | | 005C 2570 JCB0SPID EQU JCB0INST+2 SESSION PRINTER ID (RELEASED BY JOBS) |

| 01 | #MAXRF CROSS-REFERENCE RESOLVER | | | | |
|----|---------------------------------|-------------|------|------|------|
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | |
| 02 | | | | | 2623 |

| | | | | |
|----------|--|----------|----------------------|-----|
| 07650000 | 0808 830 MGR02525 EQU * | 07990000 | OB43 OF 00 OB57 OB5A | 879 |
| 07660000 | OB0E F2 90 00 832 JF MGR02550 | 08000000 | OB49 OF 00 OB56 OB5A | 871 |
| 07670000 | | 08010000 | | |
| 13 | OB0B B8 01 01 831 TBN MCLDMSGN(XR2),MCLMLEV2 IF NOT LEVEL 2 REQUEST | | | |
| 14 | OB11 BD E1 06 833 CLI MCLDLGTH(XR2),MCLMLZDF IF REQUESTED <= MAX LEVEL 2 | 08020000 | OB4F F6 00 00 | 873 |
| 15 | OB14 F2 04 11 834 JNH MGR02600 | 08030000 | OB52 7C 40 00 | 874 |
| 16 | OB17 3C E1 0D39 835 MVI MGR0BFED,MCLMLZDF SET TO MAXIMUM | 08040000 | OB55 5C 00 00 00 | 875 |
| 17 | OB18 F2 87 0A 836 J MGR02600 | 08050000 | OB59 F6 00 00 | 877 |
| 18 | | | | |
| 19 | | | OB5C 38 01 0D80 | 886 |
| 20 | | | OB60 C0 10 0C11 | 887 |

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|----|-----------------------------------|---|-----|-------|------|----------------|----|-----------|---|-----|-------|------|------------|
| 01 | PAGE 103 V09/11/81 12/08/81 00:29 | | | | 01 | | | | | | | | |
| 02 | CROSS-REFERENCE | | | | 02 | | | | | | | | |
| 03 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | 03 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
| 04 | SCAMIDMR | C | 001 | 0004 | 1932 | | 04 | SCA2SPIN | C | 001 | 0080 | 1875 | |
| 05 | SCAMIDMX | C | 001 | 0008 | 1931 | | 05 | SCA3SPIN | C | 001 | 0020 | 1876 | |
| 06 | SCAMISCB | C | 001 | 0040 | 2173 | | 06 | SCA4SPIN | C | 001 | 0010 | 1877 | |
| 07 | SCAMISE | C | 001 | 0010 | 2094 | | 07 | SEVEN | C | 001 | 0007 | 1384 | |
| 08 | SCAMITC | C | 001 | 0004 | 2054 | | 08 | SIX | C | 001 | 0006 | 1383 | |
| 09 | SCAMKTRA | C | 001 | 0080 | 2116 | | 09 | SVCCASN | C | 001 | 000A | 1652 | |
| 10 | SCAMK21 | C | 001 | 0001 | 2395 | | 10 | SVCCASGN | C | 001 | 0006 | 1648 | |
| 11 | SCAMK215 | C | 001 | 0002 | 2346 | | 11 | SVCCDMY | C | 001 | 0044 | 1698 | |
| 12 | SCAMK211 | C | 001 | 0088 | 2205 | | 12 | SVCCXMT | C | 001 | 0050 | 1702 | |
| 13 | SCAMK212 | C | 001 | 0044 | 2206 | | 13 | SVCCDSPCH | C | 001 | 0027 | 1682 | |
| 14 | SCAMK213 | C | 001 | 0022 | 2207 | | 14 | SVCCDMP | C | 001 | 0022 | 1677 | |
| 15 | SCAMK214 | C | 001 | 0011 | 2208 | | 15 | SVCCXIT | C | 001 | 0011 | 1659 | |
| 16 | SCAMYYD | C | 001 | 0001 | 2056 | | 16 | SVCFB | C | 001 | 0040 | 1694 | 0712 |
| 17 | SCAM0128 | C | 001 | 0001 | 2078 | | 17 | SVCFREE | C | 001 | 0007 | 1649 | |
| 18 | SCAM0256 | C | 001 | 0002 | 2077 | | 18 | SVCFREEP | C | 001 | 0013 | 1661 | |
| 19 | SCAM0512 | C | 001 | 0004 | 2076 | | 19 | SVCGETP | C | 001 | 0012 | 1660 | |
| 20 | SCAM065M | C | 001 | 0041 | 1899 | | 20 | SVCGPOST | C | 001 | 0001 | 1643 | |
| | SCAM1FM | C | 001 | 0010 | 2074 | | | SVCSWAIT | C | 001 | 0000 | 1642 | |
| | SCAM10MG | C | 001 | 0000 | 1891 | | | SVCFIXMT | C | 001 | 0045 | 1699 | |
| | SCAM1024 | C | 001 | 0008 | 2075 | | | SVCISEC | C | 001 | 0008 | 1650 | |
| | SCAM1255 | C | 001 | 0080 | 2152 | | | SVCI0 | C | 001 | 0041 | 1695 | |
| | SCAM128K | C | 001 | 0040 | 1852 | | | SVCKBTR | C | 001 | 005C | 1706 | |
| | SCAM13MG | C | 001 | 0001 | 1890 | | | SVCLDATR | C | 001 | 000C | 1654 | |
| | SCAM130M | C | 001 | 00C1 | 1900 | | | SVCLDAD | C | 001 | 0052 | 1704 | |
| | SCAM195M | C | 001 | 00E1 | 1901 | | | SVCL0G | C | 001 | 001A | 1668 | |
| | SCAM2FM | C | 001 | 0020 | 2073 | | | SVCPDVEI | C | 001 | 002A | 1685 | |
| | SCAM2FMF | C | 001 | 0040 | 2072 | | | SVCCOP | C | 001 | 00F4 | 1730 | |
| | SCAM256K | C | 001 | 0080 | 1851 | | | SVCPFR | C | 001 | 0000 | 1655 | |
| | SCAM260M | C | 001 | 0001 | 1902 | | | SVCPPOST | C | 001 | 0003 | 1645 | |
| | SCAM27MG | C | 001 | 0081 | 1889 | | | SVCPPOSTA | C | 001 | 0019 | 1667 | |
| | SCAM62PC | C | 001 | 0040 | 1897 | | | SVCPPOSTI | C | 001 | 0028 | 1686 | |
| | SCAM65MG | C | 001 | 0001 | 1898 | | | SVCPSSVC | C | 001 | 0008 | 1653 | |
| | SCA0VER | C | 001 | 0020 | 2041 | | | SVCPSSVC | C | 001 | 004C | 1700 | |
| | SCARDFMT | C | 001 | 0067 | 2068 | 2080 | | SVCPREP | C | 001 | 0026 | 1681 | |
| | SCARDVOL | C | 001 | 0066 | 2066 | 2068 | | SVCPRIQ | C | 001 | 0024 | 1679 | |
| | SCASDISK | C | 001 | 000F | 1873 | 1904 | | SVCPPT | C | 001 | 0042 | 1696 | |
| | SCASHIST | C | 001 | 0031 | 1996 | 1997 | | SVCS05 | C | 001 | 0020 | 1674 | |
| | SCASHMSG | C | 001 | 003B | 2001 | 2002 | | SVCSQSCAN | C | 001 | 0018 | 1669 | |
| | SCASTOSS | C | 001 | 0025 | 1987 | 1988 | | SVCSQUEUE | C | 001 | 000E | 1656 | |
| | SCASMSG1 | C | 001 | 0038 | 2000 | 2001 | | SVCSQWAIT | C | 001 | 002C | 1687 | |
| | SCASMSG2 | C | 001 | 0041 | 2003 | 2005 | | SVCRDEQ | C | 001 | 0021 | 1676 | |
| | SCASPARK | C | 001 | 0040 | 2127 | | | SVCRDYCK | C | 001 | 0025 | 1680 | |
| | SCASSTWA | C | 001 | 001A | 1978 | 1979 | | SVCREM0 | C | 001 | 0021 | 1675 | 1676 |
| | SCASTOPS | C | 001 | 0080 | 2340 | | | SVCRPT | C | 001 | 0028 | 1683 | |
| | SCASHMSG | C | 001 | 003E | 2002 | 2003 | | SVCS0B | C | 001 | 000F | 1657 | 0262 |
| | SCASYS | C | 001 | 0000 | 1841 | 1843 1846 1848 | | SVCSMSW | C | 001 | 0009 | 1651 | |
| | SCASYS1 | C | 001 | 005B | 2038 | 0259 0640 2048 | | SVCSQ | C | 001 | 0029 | 1684 | |
| | SCASYS2 | C | 001 | 005C | 2048 | 2059 | | SVCTEST | C | 001 | 0023 | 1678 | |
| | SCATWAS2 | C | 001 | 001C | 1979 | 1981 | | SVCTID | C | 001 | 0015 | 1663 | |
| | SCAUSER | C | 001 | 0049 | 2015 | 2016 | | SVCTIH | C | 001 | 001F | 1673 | |
| | SCA2KBAD | C | 001 | 0008 | 1858 | 1861 | | SVCTIN | C | 001 | 0014 | 1662 | |
| | SCA2KOK | C | 001 | 0000 | 1859 | | | SVCTIR | C | 001 | 0016 | 1664 | |

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|----|----------------------------------|-------------|--------|------|------------------|----------|
| 01 | PAGE 67 V09/11/81 12/08/81 00:29 | | | | 01 | |
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | 02 |
| | | | 2623 * | | DRCT1 | 07860000 |

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|----------|----------------------|-----|----------|--|-------------------------------|--------------------------------|----------|
| 08000000 | 0849 OF 00 0856 005A | 871 | SUC | MGRO2655-ONE(ONE),MGRCONE | MODIFY LENGTH BYTE | 08400000 | |
| 08010000 | 084F F6 00 00 | 873 | MGROPYR1 | LPRR | PRV | MODIFIED TO USER'S OP1 AND OP2 | |
| 08020000 | 0852 7C 40 00 | 874 | MGRO2650 | MWI | *(,XRT),BLANK | BLANK LAST BYTE OF USER BUFFER | |
| 08030000 | 0855 5C 00 00 00 | 875 | MGRO2655 | MWC | *(,XRT),*(,XRT) | BLANK REST OF THE USER BUFFER | |
| 08040000 | 0859 F6 00 00 | 877 | | LPRR | PRV | | |
| 08050000 | | 879 | ***** | | | | 08400000 |
| | | 880 | * | | | | 08400000 |
| | | 881 | * | IF BLANKED USER BUFFER BECAUSE LEVEL 1 REQUEST AND ACTUAL > 75 | | | 08500000 |
| | | 882 | * | CALL ERROR EXIT ROUTINE | | | 08510000 |
| | | 883 | * | | | | 08520000 |
| | | 884 | ***** | | | | 08530000 |
| | 085C 38 01 0080 | 886 | TBN | MGPS5U1,MGPRR8B | IF 'BLANKING' BECAUSE OF FRCP | 08590000 | |
| | 0860 C0 10 0CF1 | 887 | BT | MGROFRPX | CALL ERROR EXIT ROUTINE | 08560000 | |

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| | | CROSS-REFERENCE | | | | | |
|--------|-----------|-----------------|-------|------|------------|------|--|
| SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | | |
| 03 | SCA2SPIN | C | 001 | 0080 | 1875 | | |
| 03 | SCA3SPIN | C | 001 | 0020 | 1876 | | |
| 03 | SCA4SPIN | C | 001 | 0010 | 1877 | | |
| 04 | SEVEN | C | 001 | 0007 | 1384 | | |
| 04 | SIX | C | 001 | 0006 | 1383 | | |
| 04 | SVCASGN | C | 001 | 000A | 1652 | | |
| 04 | SVCASGN | C | 001 | 0006 | 1648 | | |
| 05 | SVCDDMM | C | 001 | 0044 | 1698 | | |
| 05 | SVCDDXT | C | 001 | 0050 | 1702 | | |
| 06 | SVCDSPEH | C | 001 | 0027 | 1682 | | |
| 06 | SVCDDMP | C | 001 | 0022 | 1677 | | |
| 06 | SVCEXIT | C | 001 | 0011 | 1659 | | |
| 07 | SVCFD | C | 001 | 0040 | 1694 | 0712 | |
| 07 | SVCFREE | C | 001 | 0007 | 1649 | | |
| 07 | SVCFREEP | C | 001 | 0013 | 1661 | | |
| 08 | SVCGETP | C | 001 | 0012 | 1660 | | |
| 08 | SVCPOST | C | 001 | 0001 | 1643 | | |
| 08 | SVCWAIT | C | 001 | 0000 | 1642 | | |
| 09 | SVCIDONT | C | 001 | 0045 | 1699 | | |
| 09 | SVCISEC | C | 001 | 0008 | 1650 | | |
| 09 | SVCIO | C | 001 | 0041 | 1695 | | |
| 10 | SVCIBTR | C | 001 | 005C | 1706 | | |
| 10 | SVCIDATR | C | 001 | 000C | 1654 | | |
| 10 | SVCLOAD | C | 001 | 0052 | 1704 | | |
| 11 | SVCLOG | C | 001 | 001A | 1668 | | |
| 11 | SVCMOVEI | C | 001 | 002A | 1685 | | |
| 11 | SVCOP | C | 001 | 00F4 | 1730 | | |
| 12 | SVCPPR | C | 001 | 0000 | 1655 | | |
| 12 | SVCPOST | C | 001 | 0003 | 1645 | | |
| 12 | SVCPOSTA | C | 001 | 0019 | 1667 | | |
| 13 | SVCPOSTI | C | 001 | 0028 | 1686 | | |
| 13 | SVCPPSVC | C | 001 | 0008 | 1653 | | |
| 13 | SVCPSVC | C | 001 | 004C | 1700 | | |
| 14 | SVCPREP | C | 001 | 0026 | 1681 | | |
| 14 | SVCPRIQ | C | 001 | 0024 | 1679 | | |
| 14 | SVCPT | C | 001 | 0042 | 1696 | | |
| 15 | SVCQS | C | 001 | 0020 | 1674 | | |
| 15 | SVCQSCAN | C | 001 | 001B | 1669 | | |
| 15 | SVCQUEUE | C | 001 | 000E | 1656 | | |
| 16 | SVCQWAIT | C | 001 | 002C | 1687 | | |
| 16 | SVCROEQ | C | 001 | 0021 | 1676 | | |
| 16 | SVCRODYCK | C | 001 | 0025 | 1680 | | |
| 17 | SVCRENQ | C | 001 | 0021 | 1675 | 1676 | |
| 17 | SVCRIPT | C | 001 | 0028 | 1683 | | |
| 17 | SVCSCB | C | 001 | 000F | 1657 | 0262 | |
| 18 | SVCSSSW | C | 001 | 0009 | 1651 | | |
| 18 | SVCSSQ | C | 001 | 0029 | 1684 | | |
| 18 | SVCTEST | C | 001 | 0023 | 1678 | | |
| 19 | SVCITD | C | 001 | 0015 | 1663 | | |
| 19 | SVCITH | C | 001 | 001F | 1673 | | |
| 19 | SVCITN | C | 001 | 0014 | 1662 | | |
| 20 | SVCITR | C | 001 | 0016 | 1664 | | |

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| | | CROSS-REFERENCE RESOLVER | | | | | |
|----------|-------------|--------------------------|------|----------|----------------|---------------------------|---|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | |
| 07860000 | | 0009 | 2676 | D1ASSAW8 | EQU D1UNUS08+1 | BEST FIT ASSIGN SAVE AREA | 8 |
| | | 000A | 2677 | D1XAMSW1 | EQU D1ASSAW8+1 | EXAM SWAP IN CANDIDATE 6 | |

| SYMBOL | T | LEN | VALUE | DEFN | REFS |
|--------|-----------|-----|-------|------|-----------|
| 03 | SVC2SPIN | C | 001 | 0017 | 1685 |
| 03 | SVC2SD | C | 001 | 0021 | 1689 |
| 03 | SVC2POST | C | 001 | 0010 | 1671 |
| 04 | SVC2WA | C | 001 | 0051 | 1703 |
| 04 | SVC2WAIT | C | 001 | 001E | 1672 |
| 04 | SVC2NSTK | C | 001 | 0005 | 1647 |
| 04 | SVC2AIT | C | 001 | 0002 | 1644 |
| 05 | SVC2ASC | C | 001 | 0043 | 1697 |
| 05 | SVC2AF | C | 001 | 002F | 1688 |
| 06 | SVC2FER | C | 001 | 0004 | 1646 |
| 06 | SVC2FR | C | 001 | 00F5 | 1731 |
| 06 | SVC2EXIT | C | 001 | 0010 | 1658 |
| 07 | SVC2NTOF | C | 001 | 0018 | 1646 |
| 07 | SWAP3D | C | 001 | 0080 | 2875 |
| 07 | TAGFAIL | C | 001 | 0020 | 2860 |
| 08 | TCB2AMP | C | 001 | 0010 | 3192 3193 |
| 08 | TCB2AHR | C | 001 | 001F | 3193 3194 |
| 08 | TCB2INL1 | C | 001 | 0024 | 3196 3197 |
| 08 | TCB2INL2 | C | 001 | 0025 | 3197 3198 |
| 09 | TCB2INL3 | C | 001 | 0026 | 3196 3199 |
| 09 | TCB2INL4 | C | 001 | 0027 | 3199 |
| 10 | TCB2QHR | C | 001 | 002F | 3213 3195 |
| 10 | TCB2ARQ | C | 001 | 0023 | 3195 3196 |
| 11 | TCB2ARSE | C | 001 | 0018 | 3189 |
| 11 | TCB2ARR1 | C | 001 | 0019 | 3190 3191 |
| 11 | TCB2ARR2 | C | 001 | 001B | 3191 3192 |
| 2 | TCB2BTRM | C | 001 | 0010 | 3278 |
| 2 | TCB2BDED | C | 001 | 0002 | 3247 |
| 3 | TCB2AFAIL | C | 001 | 005F | 3225 |
| 3 | TCB2ARCT | C | 001 | 0076 | 3205 3206 |
| 3 | TCB2ASNG | C | 001 | 0050 | 3227 3224 |
| 3 | TCB2ASRUT | C | 001 | 0002 | 3121 |
| 4 | TCB2ATMS | C | 001 | 0080 | 3208 |
| 4 | TCB2ATRS | C | 001 | 004F | 3214 3215 |
| 4 | TCB2ATTCH | C | 001 | 0040 | 3276 |
| 5 | TCB2AWAIT | C | 001 | 0080 | 3101 |
| 5 | TCB2AUSCT | C | 001 | 0070 | 3296 3297 |
| 5 | TCB2BAT | C | 001 | 0078 | 3317 3322 |
| 6 | TCB2BGL | C | 001 | 0028 | 3205 3206 |
| 6 | TCB2CAT | C | 001 | 0071 | 3248 3299 |
| 6 | TCB2CATM | C | 001 | 0070 | 3297 |
| 7 | TCB2CALL | C | 001 | 0010 | 3129 |
| 7 | TCB2CHAIN | C | 001 | 0000 | 3180 3181 |
| 7 | TCB2CHKPT | C | 001 | 0040 | 3127 |
| 8 | TCB2CPLQ | C | 001 | 0009 | 3176 3179 |
| 8 | TCB2CNT | C | 001 | 0074 | 3301 3303 |
| 8 | TCB2CHLPD | C | 001 | 0004 | 3280 |
| 9 | TCB2CN3PD | C | 001 | 0040 | 3288 |
| 9 | TCB2CN3PD | C | 001 | 0020 | 3289 |
| 9 | TCB2RR | C | 001 | 0017 | 3288 3189 |
| 9 | TCB2DED | C | 001 | 0001 | 32 |

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| | | CROSS-REFERENCE RESOLVER | | | |
|---------|-------------|--------------------------|------|--------|-----------|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
| | | 0014 | | | 2736 |
| | | 0015 | | | 2733 |

08380000
08390000
08400000
OP2 08420000
FER 08430000
FER 08440000
08460000
***** 08480000
* 08490000
5 * 08500000
* 08510000
* 08520000
***** 08530000
ROR 08550000
08560000

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D36

004 V09/11/81 12/08/81 00:29
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| | | CROSS-REFERENCE | | | |
|----------|---|-----------------|-------|------|----------------|
| SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
| SVCTKWT | C | 001 | 0017 | 1665 | |
| SVCTOD | C | 001 | 002E | 1689 | |
| SVCTPOST | C | 001 | 001D | 1671 | |
| SVCTWA | C | 001 | 0051 | 1703 | |
| SVCTWAIT | C | 001 | 001E | 1672 | |
| SVCURSTK | C | 001 | 0005 | 1647 | |
| SVCHAIT | C | 001 | 0002 | 1644 | |
| SVCLSC | C | 001 | 0043 | 1697 | |
| SVCXAF | C | 001 | 002D | 1688 | |
| SVCXFER | C | 001 | 0004 | 1646 | |
| SVCXFR | C | 001 | 00F5 | 1731 | |
| SVCXIENT | C | 001 | 0010 | 1658 | |
| SVCXNTOF | C | 001 | 0018 | 1666 | |
| SWAPIO | C | 001 | 0080 | 2805 | |
| TASFAIL | C | 001 | 0020 | 2860 | |
| TCBARR | C | 001 | 001D | 3192 | 3193 |
| TCBARIAR | C | 001 | 001F | 3193 | 3194 |
| TCBAINL1 | C | 001 | 0024 | 3196 | 3197 |
| TCBAINL2 | C | 001 | 0025 | 3197 | 3198 |
| TCBAINL3 | C | 001 | 0026 | 3198 | 3199 |
| TCBAINL4 | C | 001 | 0027 | 3199 | |
| TCBAPSMR | C | 001 | 0021 | 3194 | 3195 |
| TCBAQHDR | C | 001 | 002F | 3213 | |
| TCBARQ | C | 001 | 0023 | 3195 | 3196 |
| TCBARSE | C | 001 | 0018 | 3189 | |
| TCBARX1 | C | 001 | 0019 | 3190 | 3191 |
| TCBARX2 | C | 001 | 001B | 3191 | 3192 |
| TCBARTRM | C | 001 | 0010 | 3278 | |
| TCBAEDED | C | 001 | 0002 | 3293 | |
| TCBAFAIL | C | 001 | 005F | 3225 | |
| TCBARQCT | C | 001 | 0076 | 3305 | 3306 |
| TCBASGNQ | C | 001 | 005D | 3227 | 3224 |
| TCBASRWT | C | 001 | 0002 | 3121 | |
| TCBATNS | C | 001 | 0080 | 3308 | |
| TCBATRS | C | 001 | 004F | 3214 | 3215 |
| TCBATTCH | C | 001 | 0040 | 3276 | |
| TCBAWAIT | C | 001 | 0080 | 3101 | |
| TCBAWSCT | C | 001 | 0070 | 3296 | 3297 3298 |
| TCBBAT | C | 001 | 0078 | 3317 | 3322 |
| TCBBEGL | C | 001 | 002B | 3205 | 3206 3207 |
| TCBCAT | C | 001 | 0071 | 3298 | 3299 |
| TCBCATM | C | 001 | 0070 | 3297 | |
| TCBCCALL | C | 001 | 0010 | 3129 | |
| TCBCHAIN | C | 001 | 000D | 3180 | 3181 |
| TCBCHKPT | C | 001 | 0040 | 3127 | |
| TCBCMPLO | C | 001 | 0009 | 3176 | 3179 |
| TCBCNCNT | C | 001 | 0074 | 3301 | 3303 |
| TCBCNLPD | C | 001 | 0004 | 3280 | |
| TCBCN2PD | C | 001 | 0040 | 3288 | |
| TCBCN3PD | C | 001 | 0020 | 3289 | |
| TCBCRB | C | 001 | 0017 | 3188 | 3189 3190 3200 |
| TCBDED0 | C | 001 | 0001 | 3305 | |

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02

| | | CROSS-REFERENCE RESOLVER | | | |
|---------|-------------|--------------------------|--------|--------|-----------|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
| 0014 | 3320 | CALL | TCBARR | TCBARR | |

| | | | | | |
|--------------------------|-------------------|----------------------------|--|--|----------------------------------|
| 0D80 B7 | 954 955 | TBN JT | MGRSSW1, MGRMRLTA MGRO2700 | IF REQ < ACTUAL LENGTH DONE | 09170000 09180000 |
| 06 01 OC | 956 957 | CLC JNL | MCLDLGTH(ONE, XR2), MGRMRLT(, XR1) MGRO2700 | IF REQ .GE. ACTUAL*7501 MOVE ACTUAL TEXT AMOUNT | 09190000 09200000 |
| 0D80 0D39 06 09 | 958 959 960 | SBN MVC J | MGRSSW1, MGRMRLTA MGRDBFED(ONE), MCLDLGTH(, XR2) MGRO2750 | SET REQ .LT. ACTUAL TAG BUF DISP = REQ LENGTH SKIP | 09210000 09220000 09230000 |
| 0BB3 0D39 01 06 01 | 961 962 963 | MGRO2700 EQU MVC SLC | * MGRDBFED(ONE), MGRMRLT(, XR1) MCLDLGTH(ONE, XR2), MGRMRLT(, XR1) | UPDATE REQ LENGTH | 09240000 09250000 09260000 |

E01

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|----|---|--|---------------|---|
| 14 | 0B 9 0C 00 0D39 0D46 0BFF 3A 01 0D80 | 997 998 | MVC SBN | MGRDBFED(ONE), MGRDBSUB MGRSSW1, MGRMRLT |
| 15 | 0C03 00 07 0B28 | 999 | B | MGRO2600 |
| 16 | | 1000 1001 * 1002 * 1003 * 1004 * 1005 * | | ***** ADD DISP OF WHERE TO START IN USER ADD MSG RCD HEADER LENGTH TO START |
| 17 | | 1007 | MGR2760 EQU * | |
| 18 | 0C07 05 01 05 0C0A 36 01 0D46 | 1008 1009 | L A | MCLDADDR(, XR2), XR1 MGRDBSUB, XR1 |
| 19 | 0C0E 35 02 0D50 0C12 36 02 0D48 | 1010 1011 | L A | MGRMRLC, XR2 MGRDBSUB, XR2 |

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CROSS-REFERENCE

| LEN | VALUE | DEFN | REFERENCES |
|-----|-------|------|------------|
| 01 | 0008 | 3119 | |
| 01 | 0001 | 3294 | |
| 01 | 0020 | 3117 | |
| 01 | 0002 | 3132 | |
| 01 | 0001 | 3283 | |
| 01 | 0046 | 3309 | |
| 01 | 0010 | 3118 | |
| 01 | 0020 | 3310 | |
| 01 | 0010 | 3091 | 3097 |
| 01 | 002F | 3212 | |
| 01 | 002B | 3206 | |
| 01 | 005F | 3224 | 3225 3226 |
| 01 | 0020 | 3128 | |
| 01 | 0020 | 3078 | |
| 01 | 0004 | 3082 | |
| 01 | 0002 | 3110 | |
| 01 | 0020 | 3090 | 3097 |
| 01 | 0002 | 3282 | |
| 01 | 0004 | 3120 | |
| 01 | 00E4 | 3242 | |
| 01 | 00EE | 3252 | |
| 01 | 00F9 | 3264 | |
| 01 | 00F5 | 3259 | |
| 01 | 00E6 | 3244 | |
| 01 | 00EB | 3249 | |
| 01 | 00EC | 3250 | |
| 01 | 00F0 | 3254 | |
| 01 | 00FE | 3268 | |
| 01 | 00E8 | 3246 | |
| 01 | 00FD | 3266 | |
| 01 | 00ED | 3251 | |
| 01 | 00EF | 3253 | |
| 01 | 00E5 | 3243 | |
| 01 | 00F2 | 3256 | |
| 01 | 00F4 | 3258 | |
| 01 | 00EA | 3248 | |
| 01 | 00F6 | 3260 | |
| 01 | 00FB | 3261 | |
| 01 | 00F3 | 3257 | |
| 01 | 00E7 | 3245 | |
| 01 | 00E9 | 3247 | |
| 01 | 00F8 | 3263 | |
| 01 | 00F7 | 3262 | |
| 01 | 00FA | 3265 | |
| 01 | 00FC | 3267 | |
| 01 | 0001 | 3133 | |
| 01 | 0020 | 3326 | |
| 01 | 005B | 3222 | 3223 |
| 01 | 0075 | 3303 | 3305 |
| 01 | 0008 | 3092 | 3097 |
| 01 | 0015 | 3187 | 3188 |
| 01 | 0004 | 3081 | |

D01

CROSS-REFERENCE

| SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
|----------|---|-----|-------|------|------------|
| TCBKCALL | C | 001 | 0008 | 3130 | |
| TCBKWAIT | C | 001 | 0001 | 3111 | |
| TCBLCKDI | C | 001 | 0080 | 3229 | |
| TCBLCKHI | C | 001 | 0004 | 3234 | |
| TCBKCKM | C | 001 | 0069 | 3228 | 3238 |
| TCBLCKPI | C | 001 | 0008 | 3233 | |
| TCBLCKST | C | 001 | 0040 | 3230 | |
| TCBLCKSP | C | 001 | 0002 | 3235 | |
| TCBLCKVI | C | 001 | 0020 | 3231 | |
| TCBLCKST | C | 001 | 0010 | 3232 | |
| TCBLDISK | C | 001 | 005A | 3220 | 3221 3222 |
| TCBLDREL | C | 001 | 0057 | 3218 | 3219 3220 |
| TCBLEW | C | 001 | 0080 | 3349 | |
| TCBLINMT | C | 001 | 0040 | 3116 | |
| TCBLONGW | C | 001 | 0010 | 3079 | |
| TCBMABFM | C | 001 | 0010 | 3290 | |
| TCBMABTD | C | 001 | 00E0 | 3269 | |
| TCBMVIC | C | 001 | 0057 | 3219 | |
| TCBMVTRK | C | 001 | 0072 | 3299 | 3300 |
| TCBMSAFI | C | 001 | 0008 | 3291 | |
| TCBMSST2 | C | 001 | 002C | 3207 | 3208 |
| TCBMSTAB | C | 001 | 0004 | 3292 | |
| TCBNDUMP | C | 001 | 0008 | 3312 | |
| TCBN010 | C | 001 | 0002 | 3083 | |
| TCBNB0Y | C | 001 | 00BE | 3097 | |
| TCBNSCNT | C | 001 | 0073 | 3300 | 3301 |
| TCBNSWAP | C | 001 | 0001 | 3084 | |
| TCBPRBCH | C | 001 | 00C0 | 3168 | |
| TCBPRBEL | C | 001 | 00F0 | 3156 | |
| TCBPRBLD | C | 001 | 00F0 | 3149 | |
| TCBPRBSC | C | 001 | 00F4 | 3141 | |
| TCBPRBTS | C | 001 | 00F0 | 3158 | |
| TCBPRCCP | C | 001 | 00F0 | 3153 | |
| TCBPRCIC | C | 001 | 00F0 | 3154 | |
| TCBPRCNV | C | 001 | 00D0 | 3167 | |
| TCBPRCP | C | 001 | 00FC | 3138 | |
| TCBPRODF | C | 001 | 00F1 | 3161 | |
| TCBPREM | C | 001 | 00F3 | 3142 | |
| TCBPREXT | C | 001 | 00F0 | 3143 | |
| TCBPRGCE | C | 001 | 00F0 | 3159 | |
| TCBPRIMS | C | 001 | 00F0 | 3155 | |
| TCBPRINT | C | 001 | 00F0 | 3157 | |
| TCBPRINV | C | 001 | 00FF | 3137 | |
| TCBPRIOR | C | 001 | 0005 | 3135 | 3173 |
| TCBPRIQ | C | 001 | 0060 | 3271 | 3273 |
| TCBPRITH | C | 001 | 00F4 | 3144 | |
| TCBPRIR | C | 001 | 00F0 | 3140 | |
| TCBPRPER | C | 001 | 00F0 | 3152 | |
| TCBPRSDP | C | 001 | 00F8 | 3145 | |
| TCBPRSDS | C | 001 | 00F9 | 3146 | |
| TCBPRSNF | C | 001 | 00FB | 3160 | |
| TCBPRSNF | C | 001 | 00FC | 3151 | |

D02

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CROSS-REFERENCE RESOLVER

| ERR | LOC | OBJECT | CODE | ADDR | STMT | SOURCE | STATEMENT |
|-----|-----|--------|------|------|------|--------------|--|
| | | | | 0001 | 2784 | ADSTPHDD EQU | X'01' A/D IN INSTRUCTION STEP MODE. |
| | | | | | 2785 | * | |
| | | | | | 2786 | * | LOW BYTE CONTROL BITS AND OFFSET INTO MADDIT |

CROSS-REFERENCE RESOLVER

| ERR | LOC | OBJECT | CODE | ADDR | STMT | SOURCE | STATEMENT |
|-----|-----|--------|------|------|------|--------|-----------------------------------|
| | | | | | 2830 | * | CONSTANT POINTERS TO MAIN STORAGE |
| | | | | | 2839 | * | CONSTANT POINTERS TO MAIN STORAGE |
| | | | | | 2840 | * | CONSTANT POINTERS TO MAIN STORAGE |

| | | | | | | |
|----|--|-------------------|-----------------|---|--|----------------------------------|
| 14 | OB9E 'A 02 0D80 OBA2 'Z 10 B7 | 954 955 | TBN JT | MGRSSJ1, MGRMRLTA MGR02800 | IF REQ < ACTUAL LENGTH DONE | 09170000 09180000 |
| 15 | OBA5 9D 00 06 01 OBA9 F2 02 0C | 956 957 | CLC JNL | MCLDLGTH(ONE, XR2), MGRMRLT(, XR1) MGR02700 | IF REQ .GE. ACTUAL & 7501 MOVE ACTUAL TEXT AMOUNT | 09190000 09200000 |
| 16 | OBAC 3A 02 0D80 OBBO 2C 00 0D39 06 OBB5 F2 87 09 | 958 959 960 | SBN MVC J | MGRSSJ1, MGRMRLTA MGRDBFED(ONE), MCLDLGTH(, XR2) MGR02750 | SET REQ .LT. ACTUAL TAG BUF DISP = REQ LENGTH SKIP | 09210000 09220000 09230000 |
| 17 | | 09240000 | | | | |
| 18 | OB88 1C 00 0D39 01 OBBD 9F 00 06 01 | 962 963 | MVC SLC | MGRDBFED(ONE), MGRMRLT(, XR1) MCLDLGTH(ONE, XR2), MGRMRLT(, XR1) | BUF DISP = ACT LENGTH UPDATE REQ LENGTH | 09250000 09260000 |
| 19 | | | | | | |
| 20 | | | | | | |

| | | | | | | |
|----|---|--|--|--|--|--|
| 14 | OB19 0C 00 0D39 0D46 OBFF 3A 01 0D80 | | | | | |
| 15 | OC03 C0 87 0B78 | | | | | |
| 16 | | | | | | |
| 17 | | | | | | |
| 18 | OC07 B5 01 05 OC0A 36 01 0D46 | | | | | |
| 19 | OC0E 35 02 0D50 OC12 36 02 0D48 | | | | | |
| 20 | | | | | | |

E01

| CROSS-REFERENCE | | | | | |
|-----------------|-----------|-----|-------|------|----------------|
| SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
| 01 | | | | | |
| 02 | TCBDEWAT | C | 001 | 0008 | 3119 |
| 03 | TCBDBKO | C | 001 | 0001 | 3294 |
| | TCBDBKTWT | C | 001 | 0020 | 3117 |
| | TCBDMPEPD | C | 001 | 0002 | 3132 |
| 04 | TCBDMPPD | C | 001 | 0001 | 3283 |
| | TCBDSKTR | C | 001 | 0046 | 3309 |
| | TCBDSKWT | C | 001 | 0010 | 3118 |
| 05 | TCBDUMP | C | 001 | 0020 | 3310 |
| | TCBDWAT | C | 001 | 0010 | 3091 |
| | TCBECMER | C | 001 | 002F | 3212 |
| 06 | TCBECMGW | C | 001 | 0028 | 3206 |
| | TCBEXIT | C | 001 | 005F | 3224 3225 3226 |
| | TCBEXTRA | C | 001 | 0020 | 3128 |
| 07 | TCBFORCD | C | 001 | 0020 | 3078 |
| | TCBFSWAP | C | 001 | 0004 | 3082 |
| | TCBFWAIT | C | 001 | 0002 | 3110 |
| 08 | TCBGNWAT | C | 001 | 0020 | 3090 |
| | TCBHMPT | C | 001 | 0002 | 3282 |
| | TCBICKWT | C | 001 | 0004 | 3120 |
| 09 | TCBIDACT | C | 001 | 00E4 | 3242 |
| | TCBIDBEL | C | 001 | 00EE | 3252 |
| | TCBIDBLD | C | 001 | 00F9 | 3264 |
| 10 | TCBIDBSC | C | 001 | 00F5 | 3259 |
| | TCBIDBTS | C | 001 | 00E6 | 3244 |
| | TCBIDCCP | C | 001 | 00EB | 3249 |
| 11 | TCBIDCIC | C | 001 | 00EC | 3250 |
| | TCBIDCP | C | 001 | 00F0 | 3254 |
| | TCBIDGA | C | 001 | 00FE | 3268 |
| 12 | TCBIDGCE | C | 001 | 00E8 | 3246 |
| | TCBIDIPS | C | 001 | 00FD | 3266 |
| | TCBIDIPS | C | 001 | 00ED | 3251 |
| 13 | TCBIDINT | C | 001 | 00EF | 3253 |
| | TCBIDITH | C | 001 | 00E5 | 3243 |
| | TCBIDJQ | C | 001 | 00F2 | 3256 |
| 14 | TCBIDMR | C | 001 | 00F4 | 3258 |
| | TCBIDOPER | C | 001 | 00EA | 3248 |
| | TCBIDOSP | C | 001 | 00F6 | 3260 |
| 15 | TCBIDOSD | C | 001 | 00FB | 3261 |
| | TCBIDSFS | C | 001 | 00F3 | 3257 |
| | TCBIDSNE | C | 001 | 00E7 | 3245 |
| 16 | TCBIDSNF | C | 001 | 00E9 | 3247 |
| | TCBIDSNR | C | 001 | 00F8 | 3263 |
| | TCBIDSNI | C | 001 | 00F7 | 3262 |
| 17 | TCBIDSRJ | C | 001 | 00FA | 3265 |
| | TCBIDOS44 | C | 001 | 00FC | 3267 |
| | TCBINQPD | C | 001 | 0001 | 3133 |
| 18 | TCBINQSP | C | 001 | 0020 | 3326 |
| | TCBINWAT | C | 001 | 0058 | 3222 3223 |
| | TCBIQCNT | C | 001 | 0075 | 3303 3305 |
| 19 | TCBJWAT | C | 001 | 0008 | 3092 3097 |
| | TCBJCBA | C | 001 | 0015 | 3187 3188 |
| 20 | TCBJSTIN | C | 001 | 0004 | 3081 |

D01

| SYMBOL | T | LEN | VALUE | DEFN |
|--------|-----------|-----|-------|-----------|
| 01 | | | | |
| 02 | TCBKCALL | C | 001 | 0008 3130 |
| 03 | TCBKWAIT | C | 001 | 0001 3111 |
| | TCBKCKD1 | C | 001 | 0080 3229 |
| | TCBKCKM1 | C | 001 | 0004 3234 |
| 04 | TCBKCKM | C | 001 | 0069 3228 |
| | TCBKCKP1 | C | 001 | 0008 3233 |
| | TCBKCKS1 | C | 001 | 0040 3230 |
| 05 | TCBKCKSP | C | 001 | 0002 3235 |
| | TCBKCKV1 | C | 001 | 0020 3231 |
| | TCBKCKS1 | C | 001 | 0010 3232 |
| 06 | TCBKDISK | C | 001 | 005A 3220 |
| | TCBKDLREL | C | 001 | 0057 3218 |
| | TCBLEW | C | 001 | 0080 3349 |
| 07 | TCBLINWAT | C | 001 | 0040 3116 |
| | TCBLONGW | C | 001 | 0010 3079 |
| | TCBMBTTH | C | 001 | 0010 3290 |
| 08 | TCBMBTID | C | 001 | 00E0 3269 |
| | TCBMIC | C | 001 | 0057 3219 |
| | TCBMITM | C | 001 | 0072 3299 |
| 09 | TCBMSAF1 | C | 001 | 0008 3291 |
| | TCBMS12 | C | 001 | 002C 3207 |
| | TCBMS1AB | C | 001 | 0004 3292 |
| 10 | TCBMSWMP | C | 001 | 0008 3312 |
| | TCBNDIO | C | 001 | 0002 3083 |
| | TCBNDRDY | C | 001 | 00BE 3097 |
| 11 | TCBNDRONT | C | 001 | 0073 3300 |
| | TCBNSWAP | C | 001 | 0001 3084 |
| | TCBPRBCH | C | 001 | 00C0 3168 |
| 12 | TCBPRBEL | C | 001 | 00FD 3156 |
| | TCBPRBLO | C | 001 | 00FD 3149 |
| | TCBPRBSC | C | 001 | 00F4 3141 |
| 13 | TCBPRBTS | C | 001 | 00FD 3158 |
| | TCBPRCCP | C | 001 | 00FD 3153 |
| | TCBPRCTC | C | 001 | 00FD 3154 |
| 14 | TCBPRCONV | C | 001 | 00B0 3167 |
| | TCBPRCP | C | 001 | 00FC 3138 |
| | TCBPRDDF | C | 001 | 00F1 3161 |
| 15 | TCBPREM | C | 001 | 00F3 3142 |
| | TCBPREXT | C | 001 | 00FD 3143 |
| | TCBPRGCE | C | 001 | 00FD 3159 |
| 16 | TCBPRIMS | C | 001 | 00FD 3155 |
| | TCBPRINT | C | 001 | 00FD 3157 |
| | TCBPRINW | C | 001 | 00FF 3137 |
| 17 | TCBPRIOR | C | 001 | 0005 3135 |
| | TCBPRIQ | C | 001 | 0060 3271 |
| | TCBPRITH | C | 001 | 00F4 3144 |
| 18 | TCBPRMR | C | 001 | 00FD 3140 |
| | TCBPRPER | C | 001 | 00FD 3152 |
| | TCBPRSDP | C | 001 | 00F8 3145 |
| 19 | TCBPRSDS | C | 001 | 00F9 3146 |
| | TCBPRSMF | C | 001 | 00FB 3160 |
| 20 | TCBPRSNF | C | 001 | 00FC 3151 |

| CROSS-REFERENCE RESOLVER | | | | PAGE 70 | NOV/11/81 | 12/08/81 | 00:29 |
|--------------------------|-----|-------------|------|---------|--------------|-----------|---------------------------------------|
| ERR | LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | |
| 02 | | | 0001 | 2784 | ADSTPMOD EQU | X'01' | A/D IN INSTRUCTION STEP MODE. |
| | | | 2785 | * | | | |
| | | | 2786 | * | LOW BYTE | | CONTROL BITS AND OFFSET INTO SADRINIT |

| CROSS-REFERENCE RESOLVER | | | |
|--------------------------|-----|-------------|------|
| ERR | LOC | OBJECT CODE | ADDR |
| 02 | | | |

LA7501 09190000
 AMOUNT 09200000
 AL TAG 09210000
 NGTH 09220000
 09230000
 09240000
 NGTH 09250000
 09260000

OBFF 3A 01 0D80 998 SBN MGRSSWJ,MGRMERRB SET ERROR BLANKING TAG 09610000
 OC03 CO 87 0B28 999 B MGR02600 BLANK TEXT ALREADY MOVED 09620000
 1000 ***** 09630000
 1001 * 09640000
 1002 * ADD DISP OF WHERE TO START IN USER BUFFER TO BUFFER @ IN XR1 * 09650000
 1003 * ADD MSG RCD HEADER LENGTH TO START OF MSG RCD IN XR2 * 09660000
 1004 * 09670000
 1005 ***** 09680000
 OC07 1007 MGR02760 EQU * 09700000
 1008 L MCLDADDR(,XR2),XR1 XR1 -> USEKS BUFFER 09710000
 1009 A MGRDSSUB,XR1 BUMP XR1 TO PLACE TO ADD 09720000
 1010 L MGRMRCO,XR2 XR2 -> MSG RCD IN SECTOR 09730000
 1011 A MGRDSSH,L,XR2 BUMP XR2 PAST HEADER 09740000

OC44 CO 87 0D03
 OC48 OC 01 0D50 0D54
 OC4E 3C 02 0D48
 OC52 OC 00 0D46 0D3A
 OC58 CO 87 0B77

| CROSS-REFERENCE | |
|-----------------|-----------------------------|
| SYMBOL | T LEN VALUE DEFN REFERENCES |
| TCBKCALL | C 001 0008 3130 |
| TCBKWAIT | C 001 0001 3111 |
| TCBLCKDI | C 001 0080 3229 |
| TCBLCKHI | C 001 0004 3234 |
| TCBLCKM | C 001 0069 3228 3238 |
| TCBLCKPI | C 001 0008 3233 |
| TCBLCKSI | C 001 0040 3230 |
| TCBLCKSP | C 001 0002 3235 |
| TCBLCKVI | C 001 0020 3231 |
| TCBLCKSI | C 001 0010 3232 |
| TCBLDISK | C 001 005A 3220 3221 3222 |
| TCBLDREL | C 001 0057 3218 3219 3220 |
| TCBLEN | C 001 0080 3349 |
| TCBLINMT | C 001 0040 3116 |
| TCBLONGW | C 001 0010 3079 |
| TCBMABTM | C 001 0010 3290 |
| TCBMAXID | C 001 00E0 3269 |
| TCBMIC | C 001 0057 3219 |
| TCBMRTMX | C 001 0072 3299 3300 |
| TCBMSAFL | C 001 0008 3291 |
| TCBMSI2 | C 001 002C 3207 3208 |
| TCBMSTAB | C 001 0004 3292 |
| TCBNDUMP | C 001 0008 3312 |
| TCBNID | C 001 0002 3083 |
| TCBNROY | C 001 00BE 3097 |
| TCBNSCNT | C 001 0073 3300 3301 |
| TCBNSWAP | C 001 0001 3084 |
| TCBPRBCH | C 001 00C0 3168 |
| TCBPRBEL | C 001 00F0 3156 |
| TCBPRBLD | C 001 00F0 3149 |
| TCBPRBSC | C 001 00F4 3141 |
| TCBPRBTS | C 001 00F0 3158 |
| TCBPRCCP | C 001 00F0 3153 |
| TCBPRCIC | C 001 00F0 3154 |
| TCBPRCNV | C 001 00D0 3167 |
| TCBPRCP | C 001 00FC 3138 |
| TCBPRDDF | C 001 00F1 3161 |
| TCBPREM | C 001 00F3 3142 |
| TCBPREXT | C 001 00F0 3143 |
| TCBPRGCE | C 001 00F0 3159 |
| TCBPRIMS | C 001 00F0 3155 |
| TCBPRINT | C 001 00F0 3157 |
| TCBPRINV | C 001 00FF 3137 |
| TCBPRIOR | C 001 0005 3135 3173 |
| TCBPRIQ | C 001 006D 3271 3273 |
| TCBPRITH | C 001 00F4 3144 |
| TCBPRMR | C 001 00F0 3140 |
| TCBPRPER | C 001 00F0 3152 |
| TCBPRSDP | C 001 00F8 3145 |
| TCBPRSDS | C 001 00F9 3146 |
| TCBPRSMF | C 001 00F8 3160 |
| TCBPRSNF | C 001 00FC 3151 |

| **XREF CROSS-REFERENCE RESOLVER | |
|---------------------------------|--|
| ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT |
| 2838 | ***** |
| 2839 | * 'CONSTANT' POINTERS TO MAIN STORAGE ITEMS * |
| 2840 | ***** |
| 002B | 2841 D1TCBHDR EQU D1TPTXL+1 ADDR OF MAIN STORAGE TCB QUEUE |
| 002C | 2842 D1MSATRS EQU D1TCRHDR+1 ADDR OF MAIN STORAGE ATR MAP |

| ERR LOC OBJECT CODE |
|---------------------|
| 02 |
| 03 |

| | |
|----------|----------|
| 09610000 | 09610000 |
| 09620000 | 09620000 |
| 09630000 | 09630000 |
| 09640000 | 09640000 |
| 09650000 | 09650000 |
| 09660000 | 09660000 |
| 09670000 | 09670000 |
| 09680000 | 09680000 |
| 09700000 | 09700000 |
| 09710000 | 09710000 |
| 09720000 | 09720000 |
| 09730000 | 09730000 |
| 09740000 | 09740000 |

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|------|----------------------|--|
| 1046 | 1049 * | 10120000 |
| 1050 | ***** | 10130000 |
| 15 | OC44 C0 87 0D03 | 1052 B MGR010S CALL IOS - READ NEXT SECTOR 10150000 |
| 16 | OC48 OC 01 0D50 0D54 | 1053 MVC MGR01RCD(TWD),MGR01BRS INIT MSG RCD ADDRESS 10160000 |
| | OC4E 3C 02 0D48 | 1054 MVI MGR0D5HL,MGR0LPCH HEADER LENGTH =PARTIAL 10170000 |
| 17 | OC52 OC 00 0D46 0D3A | 1055 MVC MGR0D5SUB(CONE),MGR0MLTH SAVE 1ST SECTION'S LENGTH 10180000 |
| | OC58 C0 87 0B77 | 1056 B MGR02675 LOOP BACK TO RETURN REST 10190000 |
| 18 | | |
| 19 | | |
| 20 | | |

| | |
|----------|----------|
| 09700000 | 09700000 |
| 09710000 | 09710000 |
| 09720000 | 09720000 |
| 09730000 | 09730000 |
| 09740000 | 09740000 |
| 09750000 | 09750000 |
| 09760000 | 09760000 |
| 09770000 | 09770000 |
| 09780000 | 09780000 |
| 09790000 | 09790000 |
| 09800000 | 09800000 |
| 09810000 | 09810000 |
| 09820000 | 09820000 |
| 09830000 | 09830000 |
| 09840000 | 09840000 |
| 09850000 | 09850000 |
| 09860000 | 09860000 |
| 09870000 | 09870000 |
| 09880000 | 09880000 |
| 09890000 | 09890000 |
| 09900000 | 09900000 |

E03

| | |
|------------------------------|----|
| 107 V09/11/81 12/08/81 00:29 | 01 |
| | 02 |
| | 03 |
| | 04 |
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|-----------------------------------|---|
| PAGE 108 V09/11/81 12/08/81 00:29 | |
| CROSS-REFERENCE | |
| 02 | SYMBOL T LEN VALUE DEFN REFERENCES |
| 03 | TCBPRSNR C 001 00F0 3148 |
| | TCBPRSN1 C 001 00F0 3147 |
| | TCBPRSP C 001 00F0 3139 |
| 04 | TCBPRSRJ C 001 00F0 3150 |
| | TCBPRSWT C 001 0000 3162 |
| | TCBPRUDH C 001 00E0 3163 |
| 05 | TCBPRUDL C 001 0080 3171 |
| | TCBPRUDM C 001 00D1 3164 |
| | TCBPTRWT C 001 0080 3115 |
| 06 | TCBPUSH C 001 000B 3179 3180 |
| | TCBQCNT C 001 0007 3175 3176 |
| | TCBQWAIT C 001 0008 3105 |
| 07 | TCBRDYQ C 001 000F 3181 3182 3183 |
| | TCBRGSIZ C 001 002D 3208 3211 |
| | TCBRSE C 001 0027 3200 3204 |
| 08 | TCBRTUB C 001 0013 3184 3187 |
| | TCBRWAIT C 001 0004 3109 |
| | TCBSDTAC C 001 0002 3328 |
| 09 | TCBSDTSD C 001 0040 3325 |
| | TCBSFILK C 001 0010 3311 |
| | TCBSHDRC C 001 0080 3275 |
| 10 | TCBSTAR C 001 0059 3221 |
| | TCBSMFDN C 001 0080 3339 |
| | TCBSMFT C 001 007C 3335 3342 |
| | TCBSNARQ C 001 0002 3314 |
| 11 | TCBSOP C 001 0008 3080 |
| | TCBSPLRS C 001 0040 3347 |
| | TCBSPLSP C 001 0010 3327 |
| 12 | TCBSPool C 001 002F 3211 3212 3213 3214 |
| | TCBSPUNK C 001 0080 3324 |
| | TCBSPWTR C 001 0080 3346 |
| 13 | TCBSQBCT C 001 0068 3227 3228 |
| | TCBSSTID C 001 006A 3238 3240 |
| | TCBSTAT1 C 001 0000 3074 3086 |
| 14 | TCBSTAT2 C 001 0001 3086 3099 |
| | TCBSTAT3 C 001 0004 3124 3135 |
| | TCBSTAT4 C 001 006E 3273 3285 |
| 15 | TCBSTAT5 C 001 006F 3285 3296 |
| | TCBSTAT6 C 001 0077 3306 3317 |
| | TCBSTAT7 C 001 007E 3344 3349 |
| 16 | TCBSUSP C 001 0002 3094 3097 |
| | TCBSUSPD C 001 0004 3131 |
| | TCBSUSPS C 001 0079 3322 3331 |
| 17 | TCBSWAIT C 001 0040 3102 |
| | TCBSWAPD C 001 0040 3077 |
| | TCBSWAPQ C 001 000F 3182 |
| 18 | TCBSYSM C 001 0020 3277 |
| | TCBTAS C 001 0020 3103 |
| | TCBTERM C 001 0080 3126 |
| 19 | TCBTHBIT C 001 0080 3287 |
| | TCBTQE C 001 0067 3226 3227 |
| 20 | TCBTSKID C 001 006B 3240 3271 |

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| 01 | SYMBOL T LEN VALUE |
| 03 | TCBTSSW C 001 002A |
| | TCBTTC C 001 0051 |
| | TCBTTIME C 001 0006 |
| | TCBTWR C 001 0053 |
| 04 | TCBTWACL C 001 0004 |
| | TCBTWAIT C 001 0004 |
| | TCBUDWPR C 001 0080 |
| 05 | TCBUNFLG C 001 007A |
| | TCBWAIT C 001 0080 |
| | TCBWAITD C 001 0080 |
| 06 | TCBMIOSP C 001 0001 |
| | TCBMIPSK C 001 0002 |
| 07 | TCBMISLK C 001 0004 |
| | TCBUSWA C 001 0055 |
| | TCBWAIT C 001 0010 |
| 08 | TCBK C 001 0070 |
| | TCBINTQ C 001 0011 |
| | TCBINTC C 001 0040 |
| 09 | TCBZSRC C 001 0008 |
| | THREE C 001 0003 |
| 10 | TRALOAD C 001 0080 |
| | TRUE C 001 0010 |
| | TRALOAD C 001 0080 |
| | TWD C 001 0002 |
| 11 | UNCOND C 001 0007 |
| | USQSFALL C 001 0010 |
| | XAREAREF C 001 0020 |
| 12 | XAREOFF C 001 0040 |
| | XAREOFF C 001 0020 |
| | XERXMTD C 001 0080 |
| 13 | XFERCTL C 001 0010 |
| | XFEREADN C 001 0004 |
| | XFEREBON C 001 0002 |
| 14 | XFEREADN C 001 0008 |
| | XFEREADN C 001 0001 |
| | XFEREADN C 001 0001 |
| 15 | XFLBYTT C 001 0110 |
| | XFLNARD C 001 0088 |
| | XNTAREAE C 001 000F |
| 16 | XNTAREAS C 001 0008 |
| | XNTPRIV C 001 0020 |
| | XRBCC A 004 046 |
| 17 | XRBCCSSS A 003 0471 |
| | XRBCCPSSS A 003 046E |
| | XRBCCB A 004 0465 |
| 18 | XRBCCB A 004 0459 |
| | XRF#TXT A 003 0445 |
| | XRF#MTE A 002 042E |
| 19 | XRF#BUFF A 001 0860 |
| | XRF#BUFFA A 002 042A |
| 20 | XRF#BUFFE A 001 0C5F |

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| 71 V09/11/81 12/08/81 00:29 | 01 |
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| #MAXRF CROSS-REFERENCE RESOLVER | |
| PAGE 72 V09/11/81 12/08/81 00:29 | |
| 02 | ERR LOC OBJECT CODE ADDR STMT SOURCE STATEMENT |
| | 0047 2892 DISWTCBI EQU D1LDACE+1 SWAPIN TCB ADDRESS. |
| | 0048 2893 D1WTCB@ EQU DISWTCBI+1 TASK WORK AREA TCB ADDRESS (SHARED) |
| 03 | 0048 2894 D1LTCB@ EQU D1WTCB@ RELOCATING LOADER TCB ADDRESS (SHARED) |
| | 0049 2895 D1LOGPT EQU D1WTCB@+1 ADDR OF NEXT TRACE LOG OUT ENTRY |
| | 0050 2896 D1LOGPT EQU D1WTCB@+1 ADDR OF NEXT TRACE LOG OUT ENTRY |

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| 01 | ERR LOC OBJECT CODE |
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| 10110000 | 10120000 | 10130000 |
| SECTOR | 10150000 | 10160000 |
| AL | 10170000 | 10180000 |
| ENGTH | 10180000 | 10190000 |
| REST | 10190000 | |

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|----|-----------------|------|----------|--------------------------------|-------------------|---------------------------|----------|
| 14 | OC97 70 0F 00 | 1091 | MGRO2850 | CL I | *(C,XR1),MGS1CHAR | IF S/I CHAR FOUND 'FIRST' | 10540000 |
| | OC9A F2 81 38 | 1092 | JE | MGRO2975 | | MSG ENDS WITH A SHIFT/IN | 10550000 |
| 15 | OC9D 7D 0E 00 | 1093 | MGRO2875 | CL I | *(C,XR1),MGS0CHAR | IF NOT SHIFT/OUT CHAR | 10560000 |
| | OCA0 F6 00 00 | 1094 | LPMR | PRV | | RR | 10570000 |
| | OCA3 C0 01 0C85 | 1095 | BNE | MGRO2825 | | LOOP TO CHECK NEXT CHAR | 10580000 |
| 16 | OCA7 0D 00 0C99 | 1096 | CLC | MGRO2850+TWO(ONE),MGRO2950+TWO | | IF S/D NOT LAST CHAR | 10590000 |
| | OCAD F2 01 0A | 1097 | JNE | MGRO2900 | | CHECK HOW TO DELIMIT | 10600000 |
| 17 | OCBO 3C 40 0CD3 | 1098 | MVI | MGRO2950+ONE,BLANK | | MODIFY TO BLANK LAST CHAR | 10610000 |
| 18 | | | | | | | |
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| 108 | V09/11/81 | 12/08/81 | 00:29 |
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| | | | | PAGE 109 V09/11/81 12/08/81 00:29 | | | |
| CROSS-REFERENCE | | | | | | | |
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | |
| | TCBTSSN | C | 001 | 002A | 3204 | 3205 | |
| 03 | TCBTTC | C | 001 | 0051 | 3215 | 3216 | |
| | TCBTTIME | C | 001 | 0006 | 3173 | 3175 | |
| | TCBTWA | C | 001 | 0053 | 3216 | 3217 | |
| 04 | TCBTWACL | C | 001 | 0004 | 3281 | | |
| | TCBTWAIT | C | 001 | 0004 | 3093 | 3097 | |
| | TCBUDMPR | C | 001 | 0080 | 3318 | | |
| 05 | TCBWAFLG | C | 001 | 007A | 3331 | 3335 | |
| | TCBWAIT | C | 001 | 0080 | 3076 | | |
| | TCBWAITD | C | 001 | 0080 | 3088 | 3097 | |
| 06 | TCBWIOSP | C | 001 | 0001 | 3329 | | |
| | TCBWMASK | C | 001 | 0002 | 3099 | 3113 | |
| | TCBWMASK2 | C | 001 | 0003 | 3113 | 3124 | |
| 07 | TCBWSILK | C | 001 | 0004 | 3313 | | |
| | TCBWSWA | C | 001 | 0055 | 3217 | 3218 | |
| | TCBWAIT | C | 001 | 0010 | 3104 | | |
| 08 | TCBX | C | 001 | 007D | 3342 | 3344 | |
| | TCBXNTQ | C | 001 | 0011 | 3183 | 3184 | |
| | TCBXWAIT | C | 001 | 0040 | 3089 | | |
| 09 | TCB22RCS | C | 001 | 0008 | 3279 | | |
| | THREE | C | 001 | 0003 | 1380 | 0249 0488 | |
| | TRALOAD | C | 001 | 0080 | 2804 | | |
| 10 | TRUE | C | 001 | 0010 | 1388 | | |
| | TWALOAD | C | 001 | 0080 | 2806 | | |
| | TWO | C | 001 | 0002 | 1379 | | |
| 11 | UNCOND | C | 001 | 0087 | 1390 | 0203 | |
| | WSQSFAIL | C | 001 | 0010 | 2861 | | |
| | XAREAREF | C | 001 | 0020 | 2761 | | |
| 12 | XEAOFF | C | 001 | 0040 | 1745 | | |
| | XEOFF | C | 001 | 0020 | 1746 | | |
| | XEXAMTD | C | 001 | 0080 | 1744 | | |
| 13 | XFERCTL | C | 001 | 0010 | 1747 | | |
| | XFEREADN | C | 001 | 0004 | 1752 | | |
| | XFEREBON | C | 001 | 0002 | 1753 | | |
| 14 | XFERIADN | C | 001 | 0008 | 1751 | | |
| | XFERWPDN | C | 001 | 0001 | 1754 | | |
| | XFLENBYT | C | 001 | 0110 | 1828 | | |
| 15 | XFLENWRD | C | 001 | 0088 | 1829 | | |
| | XNTAREAE | C | 001 | 000F | 1750 | | |
| | XNTAREAS | C | 001 | 0008 | 1749 | | |
| 16 | XNTPRIV | C | 001 | 0020 | 1748 | | |
| | XBCC | A | 004 | 0461 | 0890 | 0343 | |
| | XBCCSSS | A | 003 | 0471 | 0897 | 0345* 0346* 0350* 351* 0472 0476 0484 | |
| 17 | XBBCP | A | 004 | 045D | 0889 | 0338 | |
| | XBBCPSSS | A | 003 | 046E | 0896 | 0340* 0341* 0456 0459 0467 | |
| | XRCC\$ | A | 004 | 0465 | 0891 | 0348 | |
| 18 | XRCCa | A | 004 | 0459 | 0888 | 0333 | |
| | XRF#TXT | A | 003 | 0445 | 0883 | 0534* 0535 | |
| | XRFBFMT | A | 002 | 042E | 0871 | 0414 | |
| 19 | XRFBUFA | A | 001 | 0860 | 1015 | 0423 0439 0462 0479 0854 0869 0870 0871 0873 0909 1016 1017 | |
| | XRFBUFAa | A | 002 | 042A | 0869 | 0686 | |
| 20 | XRFBUFE | A | 001 | 0C5F | 1016 | 0546 0549 | |

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| 72 | V09/11/81 | 12/08/81 | 00:29 |
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| | | | | PAGE 73 V09/11/81 12/08/81 00:29 | | | |
| **XRF CROSS-REFERENCE RESOLVER | | | | | | | |
| 01 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | |
| 02 | | | 0061 | 2946 | D1HPCSTK EQU | D1HPCSDA+1 | CURRENT STACK POINTER FOR CS SWCS FROM IL2 |
| | | | 0062 | 2947 | D1HPSTK EQU | D1HPSTK+1 | STACK POINTER FOR CS SVC REQUESTS FROM IL2 |
| | | | | | | 2948 * | |
| 03 | | | 0063 | 2949 | D1RQNSAV EQU | D1HPSTK+1 | RESOURCE ENQUEUE/DEQUEUE SAVE AREA |

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| 01 | | | | | | | |
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | |
| | XRFCC | A | 004 | 0455 | 0 | | |
| 03 | XRFCCSSS | A | 003 | 0468 | 0 | | |
| | XRFCHECK | A | 002 | 047E | 0 | | |
| | XRFCCP | A | 004 | 0451 | 0 | | |
| 04 | XRFCCPSSS | A | 003 | 0468 | 0 | | |
| | XRFDIRB | A | 003 | 0442 | 0 | | |
| | XRFDIRZ5 | C | 001 | 0005 | 0 | | |
| 05 | XRFEMPTY | A | 003 | 047A | 0 | | |
| | XRFEND | A | 002 | 042C | 0 | | |
| | XRFEOJ | A | 001 | 030D | 0 | | |
| 06 | XRFEDOT | A | 002 | 047C | 0 | | |
| | XRFIOB | A | 001 | 040D | 0 | | |
| | XRFIOS | A | 004 | 0402 | 0 | | |
| 07 | XRFIOSRT | A | 004 | 0409 | 0 | | |
| | XRFIRENT | C | 001 | 0001 | 0 | | |
| | XRFINDEX | C | 001 | 001C | 0 | | |
| 08 | XRFIRPAD | C | 001 | 0004 | 0 | | |
| | XRFILCSB | A | 003 | 043C | 0 | | |
| | XRFILIB | A | 003 | 043F | 0 | | |
| 09 | XRFLOAD | A | 001 | 0485 | 0 | | |
| | XRFMTAB | A | 001 | 040B | 10 | | |
| | XRFMTAB1 | A | 001 | 040B | 10 | | |
| 10 | XRFMTAB2 | A | 001 | 058B | 10 | | |
| | XRFMTAB3 | A | 001 | 069B | 10 | | |
| | XRFMTAB4 | A | 001 | 077B | 10 | | |
| 11 | XRFM2 | A | 002 | 0434 | 08 | | |
| | XRFM9 | A | 002 | 0436 | 08 | | |
| | XRFMBUF | A | 002 | 0430 | 08 | | |
| 12 | XRFNDVIP | A | 002 | 0480 | 09 | | |
| | XRFNP | A | 004 | 0449 | 08 | | |
| | XRFNP#TX | A | 001 | 0475 | 09 | | |
| 13 | XRFNPRD | A | 001 | 0476 | 09 | | |
| | XRFNPSSS | A | 003 | 0474 | 08 | | |
| | XRFNMDD | C | 001 | 0006 | 09 | | |
| 14 | XRFORSS | C | 001 | 0006 | 09 | | |
| | XRFORZ5 | C | 001 | 0003 | 09 | | |
| | XRFPATCH | A | 050 | 040A | 10 | | |
| 15 | XRFPHAS2 | A | 001 | 01BE | 04 | | |
| | XRFPSDLV | C | 001 | 0080 | 09 | | |
| | XRFSLE4 | A | 001 | 0491 | 05 | | |
| 16 | XRFTABLE | A | 001 | 0C60 | 10 | | |
| | XRFUPDAT | A | 003 | 0439 | 08 | | |
| | XRFVITCH | A | 001 | 0477 | 09 | | |
| 17 | XRFWORK | A | 002 | 0432 | 08 | | |
| | XRFXT | A | 004 | 0440 | 08 | | |
| 18 | XRFXRAN | C | 001 | 0003 | 09 | | |
| | XRFXRRLD | C | 001 | 0008 | 09 | | |
| 19 | XRFXRSS | C | 001 | 0007 | 09 | | |
| | XRFXRATG | C | 001 | 0009 | 09 | | |
| | XRF00000 | A | 003 | 0000 | 019 | | |
| 20 | XRF00003 | A | 003 | 0003 | 019 | | |

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| 01 | ERR LOC | OBJECT CODE | | | | | |
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| CHAR | 10560000 |
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| CHAR | 10600000 |
| CHAR | 10610000 |

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| 109 V09/11/81 12/08/81 00:29 |
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| | | PAGE 110 V09/11/81 12/08/81 00:29 | | | | | | | | | | | | | | | | |
| CROSS-REFERENCE | | | | | | | | | | | | | | | | | | |
| SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | | | | | | | | | SYMBOL | T | LEN | VALUE | DEFN |
| XR FCC | A | 004 | 0455 | 0887 | 0328 | | | | | | | | | XR F00020 | A | 003 | 0016 | 0200 |
| XR FCCSSS | A | 003 | 046B | 0894 | 0330* 0331* 0335* 0336* 0432 0436 0444 | | | | | | | | | XR F00030 | A | 003 | 0089 | 0200 |
| XR FCHECK | A | 002 | 047E | 0908 | 0572* 0573 0616* 0617 | | | | | | | | | XR F00040 | A | 004 | 00BC | 0200 |
| XR FCP | A | 004 | 0451 | 0886 | 0323 | | | | | | | | | XR F00050 | A | 005 | 0093 | 0200 |
| XR FCPS | A | 003 | 046B | 0893 | 0325* 0326* 0420 0428 | | | | | | | | | XR F0006A | A | 005 | 0128 | 0300 |
| XR FDIR | A | 003 | 0442 | 0882 | 0229* 0250 | | | | | | | | | XR F0006C | A | 005 | 0138 | 0300 |
| XR FDIR25 | C | 001 | 0005 | 0914 | 0310 0311 0317 0323 0328 0333 0338 0343 0348 | | | | | | | | | XR F0006E | A | 005 | 014E | 0300 |
| XR FEMPTY | A | 003 | 047A | 0905 | 0297 0432 0456 0472 | | | | | | | | | XR F00060 | A | 005 | 00AF | 0200 |
| XR FEND | A | 002 | 042C | 0870 | 0390 | | | | | | | | | XR F00062 | A | 004 | 00B7 | 0300 |
| XR FE0J | A | 001 | 03DD | 0683 | 0519 | | | | | | | | | XR F00064 | A | 005 | 0007 | 0300 |
| XR FE0T | A | 002 | 047C | 0907 | 0283 0376 0513 0575 0581 0619 | | | | | | | | | XR F00066 | A | 005 | 00EF | 0300 |
| XR FIDB | A | 001 | 040D | 0847 | 0239 0398 0418 0434 0458 0474 0488* 0531 0670 | | | | | | | | | XR F00068 | A | 005 | 0102 | 0300 |
| XR FIOS | A | 004 | 0402 | 0711 | 0243 0247 0281 0421 0437 0460 0477 0537 0674 | | | | | | | | | XR F00069 | A | 005 | 0115 | 0300 |
| XR FIOSRT | A | 004 | 0409 | 0713 | 0711* | | | | | | | | | XR F00070 | A | 004 | 0161 | 0300 |
| XR FIRENT | C | 001 | 0001 | 0913 | 0914 | | | | | | | | | XR F00072 | A | 003 | 0175 | 0300 |
| XR FIRNEX | C | 001 | 001C | 0915 | 0387 | | | | | | | | | XR F00075 | A | 005 | 017E | 0300 |
| XR FIRPAD | C | 001 | 0004 | 0916 | 0393 | | | | | | | | | XR F00080 | A | 003 | 018F | 0300 |
| XR FLCS | A | 003 | 043C | 0880 | 0227* 0240 | | | | | | | | | XR F0009A | A | 003 | 024B | 0400 |
| XR FLIB | A | 003 | 043F | 0881 | 0228* 0315 0321 0326 0331 0336 0341 0346 0351 0374 | | | | | | | | | XR F0009C | A | 006 | 0264 | 0400 |
| XR FLOAD | A | 001 | 0485 | 0926 | 0319* 0320* 0321* 0685 | | | | | | | | | XR F0009E | A | 003 | 0282 | 0400 |
| XR FMTAB | A | 001 | 04DB | 1001 | 0624 | | | | | | | | | XR F0009F | A | 004 | 029B | 0400 |
| XR FMTAB1 | A | 001 | 04DB | 1004 | 0422 | | | | | | | | | XR F00090 | A | 004 | 01BE | 0400 |
| XR FMTAB2 | A | 001 | 05BB | 1006 | 0438 | | | | | | | | | XR F00092 | A | 003 | 01DD | 0400 |
| XR FMTAB3 | A | 001 | 069B | 1008 | 0461 | | | | | | | | | XR F00095 | A | 006 | 01F6 | 0400 |
| XR FMTAB4 | A | 001 | 077B | 1010 | 0478 | | | | | | | | | XR F00096 | A | 003 | 0214 | 0400 |
| XR FM2 | A | 002 | 0434 | 0875 | 0609 | | | | | | | | | XR F00098 | A | 006 | 022D | 0400 |
| XR FM9 | A | 002 | 0436 | 0876 | 0577 0621 | | | | | | | | | XR F00100 | A | 004 | 029F | 0500 |
| XR FNDBUF | A | 002 | 0430 | 0873 | 0395 | | | | | | | | | XR F00110 | A | 005 | 02A3 | 0500 |
| XR FNOWIP | A | 002 | 0480 | 0909 | 0573 0617 | | | | | | | | | XR F00115 | A | 004 | 02DD | 0500 |
| XR FNP | A | 004 | 0449 | 0884 | 0311 | | | | | | | | | XR F00120 | A | 003 | 02F4 | 0500 |
| XR FNPTX | A | 001 | 0475 | 0900 | 0313* | | | | | | | | | XR F00125 | A | 003 | 02F7 | 0500 |
| XR FNPRLD | A | 001 | 0476 | 0901 | 0314* 0585 | | | | | | | | | XR F00130 | A | 004 | 02FD | 0500 |
| XR FNPS | A | 003 | 0474 | 0899 | 0315* 0583 | | | | | | | | | XR F00134 | A | 005 | 031A | 0500 |
| XR FOMD | C | 001 | 00D6 | 0912 | 0291 | | | | | | | | | XR F00138 | A | 004 | 0338 | 0500 |
| XR FOXRSS | C | 001 | 0006 | 0919 | 0374* 0533 0920 | | | | | | | | | XR F00140 | A | 003 | 0353 | 0500 |
| XR FOXR25 | C | 001 | 0003 | 0918 | 0310* 0919 | | | | | | | | | XR F00148 | A | 001 | 035A | 0600 |
| XR FPATCH | A | 050 | 04DA | 1000 | | | | | | | | | XR F00149 | A | 004 | 035E | 0600 | |
| XR FPAS2 | A | 001 | 01BE | 0402 | 0284 0292 | | | | | | | | | XR F00150 | A | 004 | 0368 | 0600 |
| XR FR SOLV | C | 001 | 0080 | 0904 | 0545 0586 0592 0629 0672 | | | | | | | | | XR F00165 | A | 003 | 039C | 0600 |
| XR FSLG4 | A | 001 | 0491 | 0500 | 0515* 0650 | | | | | | | | | XR F00168 | A | 004 | 03AE | 0600 |
| XR FTABLE | A | 001 | 0C60 | 1017 | 0309 0512 0580 | | | | | | | | | XR F00170 | A | 004 | 03CA | 0600 |
| XR FUPDAT | A | 003 | 0439 | 0877 | 0399 0536 | | | | | | | | | XR F00175 | A | 001 | 03DD | 0600 |
| XR FWITCH | A | 001 | 0477 | 0903 | 0545* 0586* 0592* 0629* 0672 | | | | | | | | | XR F00180 | A | 003 | 03EF | 0600 |
| XR FWORK | A | 002 | 0432 | 0874 | 0388* 0390 0394* 0395 | | | | | | | | | XR F00190 | A | 001 | 03F2 | 0600 |
| XR FXNT | A | 004 | 044D | 0885 | 0317 | | | | | | | | | XR F00196 | A | 004 | 03F6 | 0700 |
| XR FXRNAM | C | 001 | 0003 | 0917 | 0588 0918 | | | | | | | | | XR F00198 | A | 004 | 03FA | 0700 |
| XR FXRNEX | C | 001 | 000A | 0923 | 0376* 0377 0512 0513 0514 0595 | | | | | | | | | XR F00200 | A | 004 | 03FE | 0700 |
| XR FXRRLD | C | 001 | 0008 | 0921 | 0353* 0547 0550 0590 0593 0922 | | | | | | | | | XR1 | C | 001 | 0001 | 1360 |
| XR FXRSS* | C | 001 | 0007 | 0920 | 0354* 0534 0921 | | | | | | | | | | | | | |
| XR FXRWIG | C | 001 | 0009 | 0922 | 0365* 0369* 0373* 0529 0560 0613 0923 | | | | | | | | | | | | | |
| XR F00000 | A | 003 | 0000 | 0198 | | | | | | | | | | | | | | |
| XR F00003 | A | 003 | 0003 | 0199 | | | | | | | | | | | | | | |

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| 73 V09/11/81 12/08/81 00:29 |
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| | | PAGE 74 V09/11/81 12/08/81 00:29 | | | | | | | | | | | | | |
| **MAXRF CROSS-REFERENCE RESOLVER | | | | | | | | | | | | | | | |
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | | | | | | | | ERR LOC | OBJECT CODE |
| | | 0080 | 3000 | ADCTASK | EQU X'80' | STOP IF TASK ACTIVE | | | | | | | | | |
| | | 0040 | 3001 | ADCREAL | EQU X'40' | REAL VERIFY ADDRESS | | | | | | | | | |
| | | 0020 | 3002 | ADCVERIFY | EQU X'20' | VERIFY STOP | | | | | | | | | |
| | | 0010 | 3003 | ADCMATCH | EQU X'10' | STOP IF DATA MATCHES | | | | | | | | | |
| | | 0008 | 3004 | ADCTBN | EQU X'08' | STOP IF BITS ARE ON | | | | | | | | | |

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CROSS-REFERENCE

| SYMBOL | T | LEN | VALUE | DEFN | REFERENCES |
|----------|---|-----|-------|------|--|
| XRF00020 | A | 003 | 0016 | 0204 | 0198 |
| XRF00030 | A | 003 | 0089 | 0273 | 0260 0270 |
| XRF00040 | A | 004 | 008C | 0281 | 0400 |
| XRF00050 | A | 005 | 0093 | 0283 | 0391 0396 |
| XRF0006A | A | 005 | 0128 | 0338 | 0334 |
| XRF0006C | A | 005 | 013B | 0343 | 0339 |
| XRF0006E | A | 005 | 014E | 0348 | 0344 |
| XRF00060 | A | 005 | 00AF | 0297 | |
| XRF00062 | A | 004 | 00B7 | 0309 | 0378* |
| XRF00064 | A | 005 | 00D7 | 0317 | 0312 |
| XRF00066 | A | 005 | 00EF | 0323 | 0318 |
| XRF00068 | A | 005 | 0102 | 0328 | 0324 |
| XRF00069 | A | 005 | 0115 | 0333 | 0329 |
| XRF00070 | A | 004 | 0161 | 0353 | 0349 |
| XRF00072 | A | 003 | 0175 | 0370 | 0368 |
| XRF00075 | A | 005 | 017E | 0374 | 0372 |
| XRF00080 | A | 003 | 018F | 0387 | 0294 0296 0298 |
| XRF0009A | A | 003 | 0248 | 0463 | 0470 |
| XRF0009C | A | 006 | 0264 | 0472 | 0457 0464 |
| XRF0009E | A | 003 | 0282 | 0480 | 0487 |
| XRF0009F | A | 004 | 029B | 0488 | 0473 0481 |
| XRF00090 | A | 004 | 01BE | 0414 | |
| XRF00092 | A | 003 | 01DD | 0424 | 0431 |
| XRF00095 | A | 006 | 01F6 | 0432 | 0425 |
| XRF00096 | A | 003 | 0214 | 0440 | 0447 |
| XRF00098 | A | 006 | 022D | 0456 | 0433 0441 |
| XRF00100 | A | 004 | 029F | 0512 | 0520* 0530 0612 0660 0675 |
| XRF00110 | A | 005 | 02A3 | 0513 | |
| XRF00115 | A | 004 | 02DD | 0545 | |
| XRF00120 | A | 003 | 02F4 | 0551 | 0550* |
| XRF00125 | A | 003 | 02F7 | 0560 | 0548 |
| XRF00130 | A | 004 | 02FD | 0572 | 0584 0587 0591 0594 |
| XRF00134 | A | 005 | 031A | 0581 | 0596 |
| XRF00138 | A | 004 | 0338 | 0588 | 0582 |
| XRF00140 | A | 003 | 0353 | 0595 | 0589 |
| XRF00148 | A | 001 | 035A | 0608 | 0576 |
| XRF00149 | A | 004 | 035E | 0612 | 0561 |
| XRF00150 | A | 004 | 0368 | 0616 | 0628 0631 |
| XRF00165 | A | 003 | 039C | 0639 | 0574 0618 |
| XRF00168 | A | 004 | 03AE | 0648 | 0642 |
| XRF00170 | A | 004 | 03CA | 0670 | 0614 0620 |
| XRF00175 | A | 001 | 03DD | 0684 | |
| XRF00180 | A | 003 | 03EF | 0693 | 0203* |
| XRF00190 | A | 001 | 03F2 | 0696 | |
| XRF00196 | A | 004 | 03F6 | 0702 | 0201* 0693 |
| XRF00198 | A | 004 | 03FA | 0703 | 0202* |
| XRF00200 | A | 004 | 03FE | 0704 | 0200* |
| XR1 | C | 001 | 0001 | 1364 | 0201 0239* 0398* 0399 0414* 0415 0418* 0419 0420 0422* 0427 0428 0429 0429* 0434* 0436 0438* 0443 0444 0445 0445* 0458* 0459 0461* 0466 0467 0468 0468* 0474* 0476 0478* 0483 0484 0485 0485* 0531* 0546* 0549* 0551 0551* 0609* 0616 0625 0627 0630 0670* 0686* 0687 0692 0702* |

**XRF CROSS-REFERENCE RESOLVER

**XRF CROSS-REFER

| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT |
|---------|-------------|------|------|--------|-----------|
| | | 3020 | * | TCB | 07880000 |
| | | 3021 | | ***** | |
| | | 3022 | * | T C B | * |
| | | 3023 | | ***** | |
| | | 3024 | * | ***** | |

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11 V09/11/81 12/08/81 00:29

| 01 | PAGE 112 V09/11/81 12/08/81 00:29 | | | | | | | | | | | | | | | | |
|----|---|---|-----|-------|------|------------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
| 02 | CROSS-REFERENCE | | | | | | | | | | | | | | | | |
| 02 | SYMBOL | T | LEN | VALUE | DEFN | REFERENCES | | | | | | | | | | | |
| 03 | XR2 | C | 001 | 0002 | 1365 | 0202 | 0225* | 0267 | 0271* | 0272 | 0282* | 0387 | 0387* | 0388 | 0393 | 0393* | 0394 |
| | | | | | | 0423* | 0424 | 0427 | 0430 | 0430* | 0439* | 0440 | 0443 | 0446 | 0446* | 0462* | 0463 |
| | | | | | | 0466 | 0469 | 0469* | 0479* | 0480 | 0483 | 0486 | 0486* | 0515 | 0547 | 0550 | 0560 |
| | | | | | | 0612* | 0613 | 0624* | 0625* | 0627 | 0630 | 0650* | 0685* | 0687 | 0703* | | |
| 04 | ZERO | C | 001 | 0000 | 1377 | 0241 | 0365 | 0529 | 0547 | | | | | | | | |
| | ZONEBITS | C | 001 | 00F0 | 1395 | | | | | | | | | | | | |
| 05 | TOTAL STATEMENTS FLAGGED IN THIS ASSEMBLY = 0 | | | | | | | | | | | | | | | | |
| 06 | STATEMENTS FLAGGED AS WARNINGS = 0 | | | | | | | | | | | | | | | | |
| 07 | | | | | | | | | | | | | | | | | |
| 08 | | | | | | | | | | | | | | | | | |
| 09 | | | | | | | | | | | | | | | | | |
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| 01 | CHANGE | |
|----|-------------------------|------------------|
| 02 | MODULE NAME | FLAG |
| 03 | #MAXRF | aaG13 |
| | | aa145 |
| | | aa184 |
| | | aa214 |
| 04 | | aa220 |
| 05 | | |
| 06 | | |
| 07 | | aa224 |
| | | aa238 |
| 08 | | aa255 |
| | | aa344 |
| | | aa419 |
| 09 | | |
| | | aa459 |
| 10 | END OF THE CHANGE ACTIV | |
| 11 | | |
| 12 | CHANGE | |
| 13 | aaG13 | S317310 SS1 SU 0 |
| 14 | aa145 | P10402 SS __ 0 |
| 15 | aa184 | P10419 SSP 0 |
| 16 | aa214 | P10434 SS MA 0 |
| 17 | aa220 | P10602 SS GA 0 |
| 18 | aa224 | P10441 SS AD 0 |
| 19 | aa238 | P10504 SS SP 0 |
| 20 | aa255 | P10702 CSP 0 |
| | aa344 | P10551 CSP 0 |
| | aa419 | P10802 SSP 0 |
| | aa459 | P10740 SSP 0 |

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5 V09/11/81 12/08/81 00:29

| 01 | PAGE 76 V09/11/81 12/08/81 00:29 | | | | | | | | | | | |
|----|----------------------------------|-------------|------|------|--------|-----------|-------------|---------------|------------|-------|------------|------------|
| 02 | #MAXRF CROSS-REFERENCE RESOLVER | | | | | | | | | | | |
| 02 | ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE | STATEMENT | | | | | | |
| 03 | 07880000 | | | | | 3073 | *VVVVVVVVVV | THE FOLLOWING | FIELDS ARE | ORDER | DEPENDENT | VVVVVVVVVV |
| | | | | | | 0000 | 3074 | TCBSTAT1 | EQU | 0 | TCB STATUS | BYTE 1 |
| | | | | | | 0080 | 3076 | TCBWAIT | EQU | X'80' | . TASK IS | NOT ON |
| | | | | | | | | | | | READY | QUEUE |

| 01 | #MAXRF CROSS-REFERENCE RESOLVER | |
|----|---------------------------------|-------------|
| 02 | ERR LOC | OBJECT CODE |
| 03 | | |
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|----|--|----|------|------|
| 14 | | 14 | 0037 | 0040 |
| | | | 0D41 | 0D42 |
| | | | 0D43 | 0D44 |
| 15 | | 15 | 0D45 | 0D46 |
| | | | 0D47 | 0D48 |
| 16 | | 16 | | |
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| 20 | | 20 | | |

E08

09/11/81 12/08/81 00:29

| CHANGE ACTIVITY SUMMARY - V07/23/79 | | | | | | | | | |
|--|---------|-----------|------|------|----------|------|------|------|------|
| MODULE NAME | FLAG | REFERENCE | | | | | | | |
| #MAXRF | aaG13 | 1122 | | | | | | | |
| | aa145 | 1720 | | | | | | | |
| | aa184 | 2680 | | | | | | | |
| | aa214 | 175 | 312 | 317 | 318 | 319 | 320 | 321 | 322 |
| | | 685 | 686 | 687 | 688 | 692 | 885 | 925 | 935 |
| | aa220 | 182 | 269 | 270 | 271 | 272 | 284 | 292 | 334 |
| | | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 |
| | | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 408 |
| | | 409 | 416 | 456 | 457 | 458 | 459 | 460 | 461 |
| | | 462 | 464 | 465 | 466 | 467 | 468 | 469 | 470 |
| | | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 |
| | | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 |
| | | 602 | 889 | 890 | 891 | 896 | 897 | 898 | 1002 |
| | | 1008 | 1009 | 1010 | 1011 | 1586 | | | |
| | aa224 | 2792 | 2793 | 2794 | | | | | |
| | aa238 | 178 | 329 | 333 | 335 | 336 | 337 | 888 | |
| | aa255 | 2679 | | | | | | | |
| | aa344 | 2795 | | | | | | | |
| | aa419 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 |
| | | 1114 | 1115 | 1116 | 1117 | 1118 | 1119 | 1120 | 1121 |
| | | 1123 | 1124 | 1125 | 1126 | | | | |
| | aa459 | 187 | 295 | 296 | | | | | |
| END OF THE CHANGE ACTIVITY SUMMARY | | | | | | | | | |
| CHANGE FLAG REASONS - V07/23/79 - AS OF 12/08/81 00:30 | | | | | | | | | |
| aaG13 | S317310 | SS1 | SU | 05 | 07/09/80 | JWB | 47N | | |
| aa145 | P10402 | SS | _ | 04 | 03/30/78 | CKS | 44A | | |
| aa184 | P10419 | SSP | | 04 | 07/06/78 | RMR | 47Z | | |
| aa214 | P10434 | SS | MA | 04 | 09/22/78 | MJM | 47E | | |
| aa220 | P10602 | SS | GA | 06 | 10/10/78 | JLW | 47S | | |
| aa224 | P10441 | SS | AD | 04 | 10/18/78 | SDD | 47V | | |
| aa238 | P10504 | SS | SP | 05 | 12/12/78 | DBM | 47E | | |
| aa255 | P10702 | CSP | | 07 | 01/25/79 | TJL | 49D | | |
| aa344 | P10551 | CSP | | 05 | 06/15/79 | SDD | 47V | | |
| aa419 | P10802 | SSP | | 08 | 01/11/80 | JWB | 47N | | |
| aa459 | P10740 | SSP | | 07 | 02/05/80 | RJJ | 47N | | |

END OF CHANGE FLAG REASONS

D08

09/11/81 12/08/81 00:29

| #MAXRF CROSS-REFERENCE RESOLVER | | | | | PAGE 77 | 09/11/81 12/08/81 00:29 | |
|---------------------------------|-------------|------|------|--------------------|---------|-----------------------------------|--|
| ERR LOC | OBJECT CODE | ADDR | STMT | SOURCE STATEMENT | | | |
| | | 0040 | 3127 | TCBCHKPT EQU X'40' | . | THIS TASK IS BEING CHECKPOINTED | |
| | | 0020 | 3128 | TCBEXTRA EQU X'20' | . | EXTENDED TRACE ACTIVE | |
| | | 0010 | 3129 | TCBCCALL EQU X'10' | . | CLOSE HAS BEEN CALLED INDICATOR | |
| | | 0008 | 3130 | TCBKCALL EQU X'08' | . | KEYSORT HAS BEEN CALLED INDICATOR | |

#MAXRF CROSS-REFERENCE RESOLVER

| | | | | | | |
|----|------|-----------------------|-----|----------------------------------|----------|----|
| 14 | 003F | 0040 1235 MGRDSSS DS | XL2 | DISP OF MSG MBR SSS | 11980000 | 14 |
| | 0D41 | 0D42 1236 MGRDSSF1 DS | XL2 | DISP OF MSG MBR LIBRARY F1 | 11990000 | |
| | 0D43 | 0D44 1237 MGRDSSMG DS | XL2 | DISP OF MSG RCD IN SECTOR BUF | 12000000 | |
| 15 | 0D45 | 0D46 1238 MGRDSSUB DS | XL2 | DISP OF START IN USER BUFFER | 12010000 | 15 |
| | 0D47 | 0D48 1239 MGRDSSHL DS | XL2 | DISP OF START OF TEXT IN MSG RCD | 12020000 | |
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|----|----------------------------|--|--|--|--|----|
| 01 | END OF CHANGE FLAG REASONS | | | | | 01 |
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| 04 | | | | | | 04 |
| 05 | | | | | | 05 |
| 06 | | | | | | 06 |
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|----|---------------------|------------------|----|
| 01 | LYC7 - 1364 - 7 | | 01 |
| 02 | 29 JANUARY 82 | | 02 |
| | COPYRIGHT IBM CORP. | | |
| 03 | aaaa | aaaa | 03 |
| | aaaa | aaaa | |
| 04 | aaaaaaaaaaaaaaaa | aaaaaaaaaaaaaaaa | 04 |
| | aaaa | aaaa | |
| 05 | aaaa | aaaa | 05 |
| | aaaa | aaaa | |
| 06 | aaaaaaaaaaaaaaaa | aaaaaaaaaaaaaaaa | 06 |
| | aaaa | aaaa | |
| 07 | aaaa | aaaa | 07 |
| | aaaa | aaaa | |
| 08 | | | 08 |
| 09 | aaaaaaaaaaaaaaaa | aaaaaaaaaaaaaaaa | 09 |
| | aaaa | aaaa | |
| 10 | aaaa | aaaaaaaaaaaaaaaa | 10 |
| | aaaa | aaaa | |
| 11 | aaaaaaaaaaaaaaaa | aaaaaaaaaaaaaaaa | 11 |
| | aaaa | aaaa | |
| 12 | aaaa | aaaaaaaaaaaaaaaa | 12 |
| | aaaa | aaaa | |
| 13 | aaaaaaaaaaaaaaaa | aaaaaaaaaaaaaaaa | 13 |
| | aaaa | aaaa | |
| 14 | | | 14 |
| 15 | aaaaaaaaaaaaaaaa | aaaaaaaaaaaaaaaa | 15 |
| | aaaa | aaaa | |
| 16 | aaaa | aaaa | 16 |
| | aaaa | aaaa | |
| 17 | aaaa | aaaa | 17 |
| | aaaa | aaaa | |
| 18 | aaaa | aaaa | 18 |
| | aaaaaaaaaaaaaaaa | aaaaaaaaaaaaaaaa | |
| 19 | aaaaaaaaaaaaaaaa | aaaaaaaaaaaaaaaa | 19 |
| | aaaa | aaaa | |
| 20 | | | 20 |

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|----|---------------------|---|----|
| 01 | ERR LOC OBJECT CODE | ADDR STMT SOURCE STATEMENT | 01 |
| 02 | | 000F 3181 TCBRDQ EQU TCBCCHAIN+2 SYSTEM READY QUEUE CHAINING FIELD | 02 |
| | | 000F 3182 TCBSWAPQ EQU TCBRDQ SYSTEM READY QUEUE SPECIAL EQUATE | |
| 03 | | 0011 3183 TCXNTQ EQU TCBRDQ+2 SYSTEM TRANSIENT QUEUE CHAINING FIELD | 03 |

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|----|---------------------|------|----|
| 01 | ERR LOC OBJECT CODE | ADDR | 01 |
| 02 | | 0002 | 02 |