





# Screen generation reports

```

*****1*****2*****3*****4*****5*****6*****7*****8*
* SAMP          ** QUANTITIES IN WAREHOUSE **      00000000    PAGE ZZ *
*
* PART NO. XXXXXXXX    0000000000000000000000000000000000000000
*
* UNIT OF MEASURE CODE 00      TOTAL QTY. 9999999
*
* LOCATION      QTY ON  QTY ON  DUE      ISSUE      COUNT      BY
*              HAND    ORDER  DATE     DATE       DATE
*
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
* XXXXXXXX    ZZ,ZZ9-  ZZ,ZZ9  99B99B99  99B99B99  99B99B99  000
*
*              00000000000000000000000000000000000000000000000000000
*              NEXT PAGE - PF1    PREVIOUS PAGE - PF2
*              MAIN MENU - PF4    LOGOFF - PF11
*****1*****2*****3*****4*****5*****6*****7*****8*

```

*The report to the left is produced by the map print program. Note lines 10-21 are all the same. Line 10 was entered and defined on the ARRAY DEFINITION screen as a row to be repeated 12 times.*

```

MAPP020  X.X    02/26/98          CICS/MAPR - MAP UTILITY PROGRAM          PAGE    2
          PRINT SELECTED MAPS
MAPSET: SAMPLES MAP:SAMPLEM ROWS:24 COLUMNS:80 CREATION DATE: 01/12/98 LAST UPDATE: 02/26/98 COPYBOOK PREFIX: NONE
-----FIELD NAME----- ROW COL LEN OCCR -----ATTRIBUTES----- EXTENDED ATTRIBUTES ----PICOUT-----PICIN----
TRAN-CODE          1   3   4   ASKIP   FSET          COLOR=TURQUOISE
                  HIGHLIGHT=UNDERLINE
CURRENT-DATE       1   57  8   ASKIP          COLOR=RED
PAGE-NUMBER        1   77  2   ASKIP          NUM          COLOR=DEFAULT
PART-NUMBER        3   12  8           BRT   IC        JUSTIFY= RIGHT ZERO
                  COLOR=GREEN
PART-DESCRIPTION   3   25 33   ASKIP          VALIDN=MUSTENTER
UNIT-OF-MEASURE    5   25  2   ASKIP          COLOR=GREEN
TOTAL-ON-HAND      5   45  7           FSET   NUM        COLOR=BLUE
LOCATION            10  3   7  12           COLOR=GREEN
QTY-THIS-LOCATION   10  15  7  12           NUM          COLOR=TURQUOISE
QTY-ORDERED       10  25  6  12           NUM          COLOR=TURQUOISE
DUE-DATE          10  34  8  12           NUM          COLOR=TURQUOISE
ISSUE-DATE        10  46  8  12           NUM          COLOR=TURQUOISE
COUNT-DATE       10  58  8  12           NUM          COLOR=TURQUOISE
INITIALS          10  68  3  12   ASKIP
ERROR-MSG         22  20  50   ASKIP          COLOR=YELLOW
                  HIGHLIGHT=BLINK

```

*This report provides good documentation, saving the programmer/analyst from manually documenting screens.*

```

000390  05  LOCATIONDI          OCCURS 12 TIMES.
000400  10  LOCATIONL PIC S9(04) COMP.
000410  10  LOCATIONF PIC X(001).
000420  10  LOCATIONA REDEFINES
000430  10  LOCATIONF          PIC X(001).
000440  10  LOCATIONI PIC X(007).
000450  10  QTY-THIS-LOCATIONL    PIC S9(04) COMP.
000460  10  QTY-THIS-LOCATIONF    PIC X(001).
000470  10  QTY-THIS-LOCATIONA    REDEFINES
000480  10  QTY-THIS-LOCATIONF    PIC X(001).
000490  10  QTY-THIS-LOCATIONI    PIC X(007).
000500  10  QTY-ORDEREDL        PIC S9(04) COMP.
000510  10  QTY-ORDEREDF        PIC X(001).
000520  10  QTY-ORDEREDA        REDEFINES
000530  10  QTY-ORDEREDF        PIC X(001).
000540  10  QTY-ORDEREDI        PIC X(006).

```

*This is a partial print of the COBOL Copybook generated by MAPR II. It shows how the repeated lines generate an OCCURS clause. This makes programming much easier.*

## Screen generation reports *(cont.)*

```

* 'LOCATION'                ARRAY 01 OCCURRENCE 01 OF 12
F000079 DFHMDP POS=(10,002),LENGTH=007,          X
        ATTRB=(NORM)
        DFHMDP POS=(10,010),LENGTH=001,ATTRB=(ASKIP,DRK)
* 'QTY-THIS-LOCATION'       ARRAY 01 OCCURRENCE 01 OF 12
F000083 DFHMDP POS=(10,014),LENGTH=007,          X
        ATTRB=(NORM,NUM),                          X
        PICOUT=' ZZ,ZZ9-'
        DFHMDP POS=(10,022),LENGTH=001,ATTRB=(ASKIP,DRK)
* 'QTY-ORDERED'          ARRAY 01 OCCURRENCE 01 OF 12
F000088 DFHMDP POS=(10,024),LENGTH=006,          X
        ATTRB=(NORM,NUM),                          X
        PICOUT=' ZZ,ZZ9-'
        DFHMDP POS=(10,031),LENGTH=001,ATTRB=(ASKIP,DRK)
* 'DUE-DATE'             ARRAY 01 OCCURRENCE 01 OF 12
F000093 DFHMDP POS=(10,033),LENGTH=008,          X
        ATTRB=(NORM,NUM),                          X
        PICOUT=' 99B99B99'
        DFHMDP POS=(10,042),LENGTH=001,ATTRB=(ASKIP,DRK)
* 'ISSUE-DATE'           ARRAY 01 OCCURRENCE 01 OF 12
F000098 DFHMDP POS=(10,045),LENGTH=008,          X
    
```

*This report shows the BMS source produced by MAPR II. Here again we have shown only part of the report (part of the array).*

## CICS/MAPR II features

1. Runs under CICS.
2. Generates BMS Macros and DSECTS.
3. Allows for full length COBOL and PL1 data names.
4. Repeated rows need only be entered once. A group-level data name with an OCCURS clause is generated for the DSECT to allow use of a subscript when referencing the repeated fields.
5. Supports extended attributes and various screen sizes.
6. Prints a screen image and a list of variables showing row, column, and length.
7. Demo facility allows users to prototype screens in sequence to simulate production use.
8. Test facility allows sending a test version of a map to a terminal without requiring a batch run to generate and assemble BMS source macros.
9. HELP screens for all functions.
10. ASKIP fields are automatically generated following each unprotected field to skip the cursor to the next field when the previous field has been entered.
11. Both lower and upper case characters can be painted on the screen.
12. MAPS are saved on a VSAM file for easy maintenance.
13. Existing MAPS may be copied to a new MAP, then modified to create new screens.
14. Old MAPS may be loaded into the CICS/MAPR II dataset by reading the BMS Macros with a utility program we provide.
15. Conversion facility including conversion from SDF, SDF/II, BMS/GT, MAPGEN, and others.
16. On line directory of mapsets and maps.

### *Price*

Call or Email for price

### *Operating systems*

VSE and MVS

### *Installation*

Takes 1-2 hours to catalog the MAPS and programs, modify the CICS tables, load VSAM file, customize JCL, and test using the supplied sample screen.

### *Free 30 day trial*

For a trial, mail in the license agreement or give us a call.