MacKinney Systems, Inc.

CICS/MAPR II

Create, test, and prototype CICS maps fast

MAPM001								
	CICS/MAPR MA RELEASE	AIN MENU X.X	Ma	cKinney S	ystems			
Type in the requested inf	continue							
MAPSET NAME	SAMPLES							
MAP NAME	SAMPLEM							
FUNCTION CODE	<u>C</u> Va A=# C=(D=1	lid Function Add M Change G Delete T	Codes: 1=Demo)=Copy F=Test					
TERMINAL MODEL	2							
COPY FROM MAPSE	тт	[
COPY FROM MAP		SAMP	** QUANTI	TIES IN W/	AREHOUSE **	000000	000 PAGE	ZZ
PF1-Help PF2-Paint PF3-Ex	it PF4-Parm PF5-D	PART NO. X	XXXXXXX	000000000	000000000000000000000000000000000000000	000000000000000000000000000000000000000	J	
		UNIT OF M	EASURE CODE	00	TOTAL QTY.	ZZZZZ29		
		LOCATION	QTY ON HAND	QTY ON ORDER	DUE DATE	ISSUE DATE	COUNT DATE	BY
		XXXXXXX	ZZ,ZZ9-	ZZ,ZZ9	99B99B99	99899899	99B99B99	000
		G NEXT PAGE MAIN MENU)000000000000 - PF1 PREV - PF4 LOGC	10000000000 'IOUS PAGE - IFF -)0000000000000 • PF2 • PF11	000000000000000000000000000000000000000	1000	

How CICS/MAPR II works:

The online facility is initiated by entering the transaction code 'MAPR' on a blank screen. The Map Definition Screen is displayed. It asks for mapset name, map name, function (add, change, delete, etc.), terminal model, and if you are copying from another map, the 'copy from' information.

When you are ready to paint the map, press PF2.

After pressing PF2 on the Main Menu the Map Image screen is displayed. If function code 'A' (add) was selected and no 'copy from' screen was entered, a blank screen is displayed. At this point you paint the screen (titles, literals, and data fields).

You paint the screen using 'X's for input fields, 'O's for output fields, '9's for input numeric fields, and 'Z's for output numeric fields. Enter constants just as you want them to appear.

If you are modifying an existing map, simply modify the painted screen image.

Field definition

MAPSET NAME	SAMPLES CICS/MAPR FIELD DEFINITI	ON MacKinney Systems
MAP NAME	SAMPLEM	
MAP ROW	03	
+1	+2+3+4+5	+6+7+8
XX	XXXXXX	
FIELD NAME	= <u>PART-NO</u> ROW 03	Column 012 LENGTH = 008
ATTRB =	A A=ASKIP,P=PROT,Blank=UNPROT	PICIN =
	B B=BRT,D=DRK,Blank=NORM	PICOUT =
	_ N=NUM _ D=DET _ I I=IC _ F=FSET	
COLOR =	<pre>_ D=Default,B=Blue,G=Green,N=Neutral</pre>	HILIGHT = _ B=Blink,R=Reverse
	P=Pink,R=Red,T=Turquoise,Y=Yellow	O=Off,U=Underline
VALIDN =	<pre>_ E=Mustenter,F=Mustfill,T=Trigger</pre>	JUSTIFY = <u>L</u> L=Left,R=Right
PS =	_ B=Base,psid char	_ B=Blank,Z=Zero
OTHER		
UTILIX.		
PF1-Help PF	2-Paint PF3-End PF4-Parm PF7-Pre∨ PF8-Ne	ext PF9-Array PF12-Cancel

Pressing ENTER on the painted screen displays the Field Definition screen. This allows defining field names and attributes for all fields painted beginning with the first field on the screen.

To define or change field information without beginning with the first field, place the cursor under the field to be modified and press PF6. The Field Definition screen will be displayed for the selected field.

In this case the cursor was under the variable part number field when PF6 was pressed. Specification of field attributes, color, PICIN/ PICOUT, hilight, etc. for this field are specified on this screen.

Define a repeated row or array

MAPM007		CICS/MAPR ARRAY DEFINITION				MacKinney Systems
MAPSET: SAMPLES		MAP: SAMPLEM				
REPEAT ROW	COLUMN START	COLUMN END	ROWS TO REPEAT	REPEAT OCCURS	INDEX NAME	GROUP FIELD NAME
10	003	070	01	12		
PF1-Help PF2-Paint PF3-End PF4-Parm PF6-Fields PF12-Cancel Enter-Upd Clear-Exit						

To define a repeated row or array, the fields in the array only need to have the individual field names and attributes defined once for the first occurrence of each. Then the ARRAY DEFINITION screen is used to describe what repeats and how many times it repeats.

Here we have said that row 10 on map SAMPLEM beginning with column 003 and ending with column 070 is to be repeated 12 times.

Multiple rows can also be repeated. To do this ROWS TO REPEAT would define the number of rows being repeated. Up to ten groups of repeated rows can be defined.

Screen generation reports

*****	•••••	*****			
**************************************	ES IN WAREHOUSE **	000000000 PAGE ZZ *	The report to the left is		
* * PART NO. XXXXXXXX 0000000	000000000000000000000000000000000000000	*	produced by the map print		
* UNIT OF MEASURE CODE 00 TOTAL OTY. 9999999 * Program. Note lines 10-21					
		* COUNT BY *	are all the same. Line 10 was		
+ HAND ORDER	DATE DATE	DATE *	entered and defined on the		
* XXXXXXX ZZ,ZZ9- ZZ,ZZ9	99899899 99899899	99899899 000 *	ARRAY DEFINITION		
* XXXXXXX ZZ,ZZ9- ZZ,ZZ9 * XXXXXXX ZZ,ZZ9- ZZ,ZZ9	99899899 99899899 99899899 99899899	99899899 000 * 99899899 000 *	teneated 12 times.		
* XXXXXXX ZZ,ZZ9- ZZ,ZZ9 * XXXXXXX ZZ,ZZ9- ZZ,ZZ9	99B99B99 99B99B99 99B99B99 99B99B99	99B99B99 000 * 99B99B99 000 *			
* XXXXXXX ZZ,ZZ9- ZZ,ZZ9 * XXXXXXX 77 779- 77 779	99899899 99899899 99899899 99899899	99B99B99 000 * 99B99B99 000 *			
* XXXXXXX ZZ,ZZ9- ZZ,ZZ9 * VXXXXXX ZZ,ZZ9- ZZ,ZZ9	99B99B99 99B99B99	99B99B99 000 *			
* XXXXXXX ZZ,ZZ9- ZZ,ZZ9	99B99B99 99B99B99	99B99B99 000 *			
* XXXXXXX ZZ,ZZ9- ZZ,ZZ9 * XXXXXXX ZZ,ZZ9- ZZ,ZZ9	99899899 99899899 99899899 99899899	99B99B99 000 * 99B99B99 000 *			
* 0000000000000 * NEXT PAGE - F	00000000000000000000000000000000000000	0000000000000 * PF2 *			
* MAIN MENU	- PF4 LOGOFF - PF1	1 * *****6********7*********			
		5 , 0			
MAPP020 X.X 02/26/98	CICS/MAPR PRINT S	- MAP UTILITY PROGRAM ELECTED MAPS	PAGE 2		
MAPSET: SAMPLES MAP:SAMPLEM ROW	WS:24 COLUMNS:80 CREAT	ION DATE: 01/12/98 LAST UPDATE: 0	2/26/98 COPYBOOK PREFIX: NONE		
FIELD NAME ROW COL	LEN OCCRATTRIE	BUTES EXTENDED ATTRIBUTES -	PICOUTPICIN		
TRAN-CODE 1 3	4 ASKIP FSE	TCOLOR=TURQUOISE HILIGHT=UNDERLINE	This report provides good		
CURRENT-DATE 1 57 PAGE-NUMBER 1 77	8 ASKIP 2 ASKIP	COLOR=RED	documentation, saving the		
PΔPT_NIIMREP 3 12	8 BPT		programmer/analyst from		
		VALIDN=MUSTENTER	manually documenting		
UNIT-OF-MEASURE 5 25	2 ASKIP	COLOR=GREEN COLOR=GREEN	screens.		
TOTAL-ON-HAND 5 45 LOCATION 10 3	7 FSE 7 12	ET NUM COLOR=BLUE COLOR=GREEN			
QTY-THIS-LOCATION 10 15 OTY-ORDERED 10 25	7 12 6 12	NUM COLOR=TURQUOISE NUM COLOR=TUROUOISE	ZZ,ZZ9- ZZ,ZZ9		
DUE-DATE 10 34	8 12		99899899 99899899		
COUNT-DATE 10 46	8 12	NUM COLOR=TURQUOISE	99899899		
INITIALS 10 68 ERROR-MSG 22 20	3 12 ASKIP 50 ASKIP	COLOR=YELLOW HILIGHT=BLINK			
000390 05 LOCATIONDI	0CC	CURS 12 TIMES.	This is a partial print of the		
000410 10 LOCATIONE PIC	X(001).		COBOL Copybook generated		
000420 10 LOCATIONA RED 000430 LOCATIONF	PIC	X(001).	by MAPR II. It shows how		
000440 10 LOCATIONI PIC 000450 10 QTY-THIS-LOCA	X(007). TIONL PIC	S9(04) COMP.	the repeated lines generate		
000460 10 QTY-THIS-LOCA 000470 10 0TY-THIS-LOCA	TIONF PIC TIONA RF	X(001). DEFINES	an OCCURS clause. This		
000480 QTY-THIS-LOCA	DCATIONE PIC	X(001).	makes programming much		
000500 10 QTY-ORDEREDL		S9(04) COMP.	easier.		
000510 10 QTY-ORDEREDF 000520 10 QTY-ORDEREDA	PIC RE	LX(UU1). DEFINES			
000530 QTY-ORDERED 000540 10 QTY-ORDEREDI	DF PIC PIC	X(001). X(006).			
		· · · ·			

Screen generation reports (cont.)

* 'LOCATION' ARRAY 01 OCCURRENCE 01 OF 12	
F000079 DFHMDF POS=(10,002),LENGTH=007,	Х
ATTRB=(NORM)	
<pre>DFHMDF POS=(10,010),LENGTH=001,ATTRB=(ASKIP,DRK)</pre>	
<pre>* 'QTY-THIS-LOCATION' ARRAY 01 OCCURRENCE 01 OF 12</pre>	
F000083 DFHMDF POS=(10,014),LENGTH=007,	Х
ATTRB=(NORM,NUM),	Х
PICOUT='ZZ,ZZ9-'	
<pre>DFHMDF POS=(10,022),LENGTH=001,ATTRB=(ASKIP,DRK)</pre>	
<pre>* 'QTY-ORDERED' ARRAY 01 OCCURRENCE 01 OF 12</pre>	
F000088 DFHMDF POS=(10,024),LENGTH=006,	Х
ATTRB=(NORM,NUM),	Х
PICOUT='ZZ,ZZ9'	
<pre>DFHMDF POS=(10,031),LENGTH=001,ATTRB=(ASKIP,DRK)</pre>	
* 'DUE-DATE' ARRAY 01 OCCURRENCE 01 OF 12	
F000093 DFHMDF POS=(10,033),LENGTH=008,	Х
ATTRB=(NORM,NUM),	Х
PICOUT='99B99B99'	
<pre>DFHMDF POS=(10,042),LENGTH=001,ATTRB=(ASKIP,DRK)</pre>	
<pre>* 'ISSUE-DATE' ARRAY 01 OCCURRENCE 01 of 12</pre>	
F00009B DFHMDF POS=(10,045),LENGTH=008,	Х

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.
- 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.
- 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.