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DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL
NO. P-C008

APPLICATIONS SOFTWARE
13 April 1983

COMPOSITE MAP INDEX WACIN

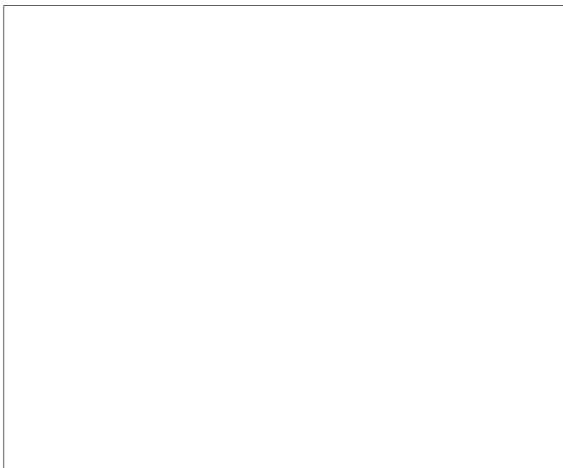SYMBOLIC TITLE: CMIWACIN
PROGRAMMER:

25X1

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Program CMIWACIN

Date 29 January 1982

APPROVALS

This operations manual has been reviewed and approved by the following persons:

25X1

23 APR82
(date)

4/26/82
(date)

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Program CMIWACIN

Date 29 January 1982

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SUMMARY

The CMIWACIN program is a COBOL program which adds a new WAC to the CMI file (EDT*CMIMST) using updates on cards and produces a listing to be used by the Mission Analysis Branch (MAB).

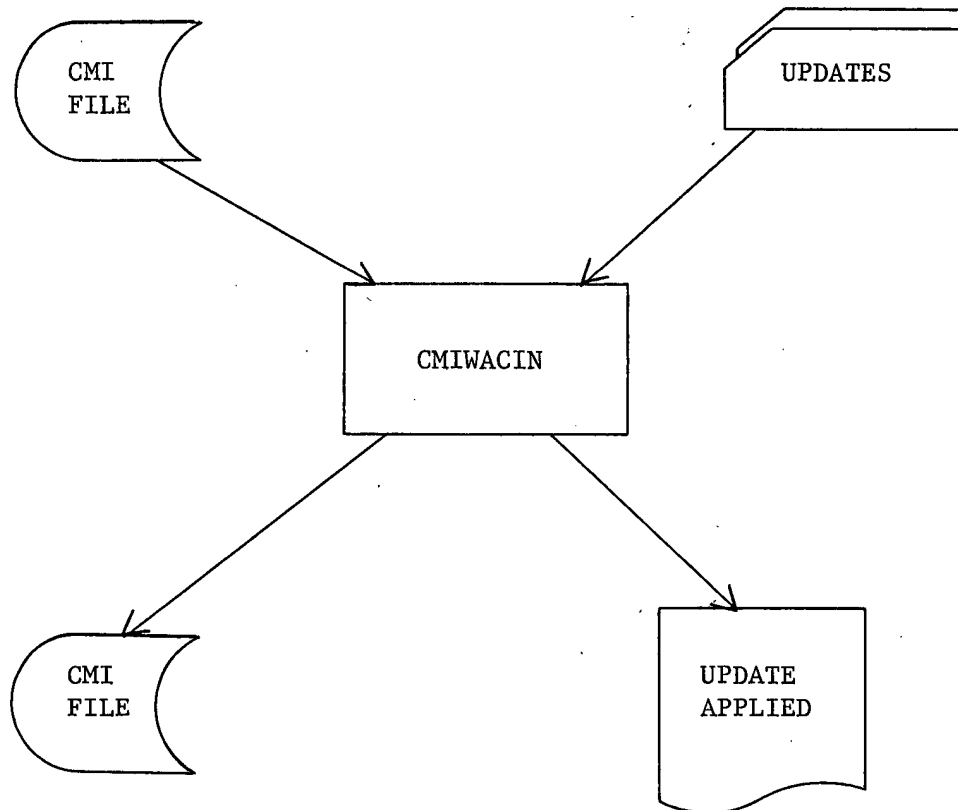Input data for the CMIWACIN program also consists of data from the CMI Master File (a disc file formatted in the standard Edit Report format). This file contains two header sectors followed by CMI data loaded as 3-70 character records for each pair of disk sectors. The last pair of sectors contain all '9's as the data content.

The program will produce an updated CMI Master File and a listing of all valid updates.

Program __CMIWACIN__

Date __29 January 1982__

OPERATIONAL FLOW CHART

```
   ┌─────────┐                              ┌──────────┐
   │  CMI    │                              │ UPDATES  │
   │  FILE   │                              │          │
   └─────────┘                              └──────────┘
         \                                    /
          \                                  /
           \                                /
            ↓                              ↓
          ┌──────────────────────────────┐
          │         CMIWACIN             │
          └──────────────────────────────┘
            /                              \
           /                                \
          ↓                                  ↓
   ┌─────────┐                         ┌──────────┐
   │  CMI    │                         │ UPDATE   │
   │  FILE   │                         │ APPLIED  │
   └─────────┘                         └──────────┘
```

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Program CMIWACIN

Date 29 January 1982

SAMPLE CARD DECK

"FIN
"COPY EDT*CMITEMP.,EDT*CMIMST.
"EOF

DATA CARDS

"XQT CMI-WACIN
"FREE EDT*P$ABS.
"COPY,A EDT*P$ABS.CMI-WACIN
"ASG,AX EDT*P$ABS.
"FREE EDT*CMITEMP.
"ASG,UP EDT*CMITEMP.,///512
"DELETE,C EDT*CMITEMP.
"RUN WACIN,S33741069/MARYAD,9469,5,500

```
00 000 0000  00000 00 000 00 0000 0 0   000000000000000000000000000000000000000000
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
1111111 1111111111 111 1 11 1111111111111111111111111111111111111111111111111111111
222222222222  2222222222222222222222222222222222222222222222222222222222222222222222
33333333 33 3  3333333333333 3333 3 333333333333333333333333333333333333333333333333
44 44444444444 44444 4444 44 4444444444444444444444444444444444444444444444444444444
555 555555 555555555555555555555555 5 55555555555555555555555555555555555555555555555
666666 666666666666 66666666666 6666666666666666666666666666666666666666666666666666
 77777777777777 77777777777777777777777777777777777777777777777777777777777777777777
 88888888 88888888888888 88 8888 8 888888888888888888888888888888888888888888888888
9 5999999 999999999 999 9999 99 99999999999999999999999999999999999999999999999999
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80
NECC-5081
```

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SAMPLE CARD DECK (Continued)

CARD INPUT

1.	RUN CARD	
2.	Delete – deletes EDT*CMITEMP which is used as an intermediate work file	
3.	ASG – Assigns EDT*CMITEMP	
4.	FREE – Frees EDT*CMITEMP	
5.	ASG – Assigns file containing the absolute	
6.	COPY – Copies absolute to TPF$	
7.	FREE – Frees absolute file	
8.	XQT – Executes program	
9.	DATA CARD – describes coordinate record index	
10.	DATA CARD – describes geographic position record	
11-35.	DATA CARDS – describing publication indication records	
36-N.	DATA CARDS – describing the additional index records	
N+1.	EOF CARD – signals end of data	
N+2.	COPY – copies work file into master file	
N+3.	FIN CARD	
N+4.	Job termination card	
N+5.	Job termination card	

Data Cards

1. Coordinate Record Index

Field	Column
Record-ID	1
Direction	2-3
Low-Lat	4-5
Left-Long	6-8
High-Lat	10-11
Direction	12
Low-Lat	13-14
Direction	15
Left-Long	16-18
Direction	19
Right-Long	20-22
Direction	23
WAC	24-27

2. Geographic Position Record

Field	Column
Record-ID	1
WAC	2-5
TOP-WACS	10-21
Left-WAC	22-25
Right-WAC	26-29
Bottom-WACS	30-41

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3. Publication Indication Records

Field	Column
Record-ID	1
WAC	2-5
Record-NUM	6-9
Map-Availability	10

4. Additional Index Records (A-Part)

Field	Column
Record-ID	1
WAC	2-5
9	6
Line-No	7-8
Part-Indicator	9
High-Latitude	10-13
Direction	14
Low-Latitude	15-18
Direction	19
Left-Longitude	20-24
Direction	25
Right-Longitude	26-30
Direction	31
1301	38-42
Sheet-No	43-44
AMS	45-48
1501-A	49
1501-G	50
1501-R	51
1505	52

5. Additional Index Records (B-Part)

Field	Column
Record-ID	1
WAC	2-5
9	6
Line-No	7-8
Part-Indicator	9
Other-Info.	10-70

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Program __CMIWACIN__

Date __29 January 1982__

HIGH-SPEED PRINTER OUTPUT

Identification: CMIWAC

Format:

Type of Form: 1471-1 pt.

Disposition: Send listing to Mission Analysis Branch (MAB)

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Date   29 January 1982

ON-LINE COMPUTER PROCESSING

EQUIPMENT REQUIREMENTS

Computer: **UNIVAC 1100/84**

Schema Used:

Storage:

    Core Required -

    I Bank   -

    D Bank   -

Peripheral Devices: **Printer, Console and Card Reader**

Restrictions:

Files Accessed:

Files Created/Deleted:

File Size:

Approximate Number of Accesses:

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Program <u>CMIWACIN</u>

Date <u>29 January 1982</u>

NORMAL RUN INSTRUCTIONS

Initiation: Card Deck

Monitor:·

<u>Message</u>   <u>Cause</u>   <u>Operator Action</u>

None

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ABNORMAL RUN INSTRUCTIONS

Messages:

Message	Cause	Operator Action
'CMI FILE NOT FOUND'	File probably rolled out	Complete rolling action and rerun the job.
'CMI FILE I/O ERROR'	Data content problem with CMI file	Call CSD/APS represen- to check file.

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Program CMIWACIN

Date 29 January 1982

STORAGE

EDT*P$SYM.CMIWACIN   Source
EDT*P$REL.CMIWACIN   Relocatable
EDT*P$ABS.CMIWACIN   Absolute

RUNSTREAM TO COMPILE AND MAP:

EDT*P$RUN.CMIWACIN/COMP   EDT*P$RUN.CMIWACIN/MAP

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DATA CENTER OPERATIONS BRANCH WORK REQUEST

TO: TECHNICAL SERVICES SECTION/SB/CSD/PSG

TSS NO. (Leave blank)	COMPONENT CODE	PROJECT NO.	TYPE RUN	TSS	IN
REQUESTER	PHONE NO.	QUANTITY	☐ PRODUCTION		
			·☐ CHECKOUT		
PRODUCT			☐ ATTENDED		OUT
SECURITY CLASSIFICATION			☐ KEYPUNCH		
CONTROL NUMBER			☐ OTHER_____		

TYPE FORM	BIND	INPUT	OUTPUT	PROGRAM LOAD	DEAD LINE	OUT
☐ 1471 ☐ 1468 OTHER _____	☐ YES ☐ NO	☐ TAPE(S) ☐ CARDS ☐ NONE OTHER _____	☐ TAPE(S) ☐ CARDS ☐ PRINTER OTHER _____	☐ CONSOLE ☐ CARDS		

DATA CONTROLLER	QUALITY CONTROL IN	QUALITY CONTROL OUT	COMPUTER RM. SUPERVISOR	CUST PICKUP	BADGE NO.	OUT
DATE	DATE	DATE	DATE			
BADGE NO.	BADGE NO.	BADGE NO.	BADGE NO.			

JOB DESCRIPTION

1100/84 OPERATIONAL

1) Load attached CMIWACIN card deck

2) Save all listings and cards and return to requestor

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R FM **1125** (S-34) (REVISED)
(7-81)

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