CBFMT: A Style File for Producing
Machine Readable Users' Guides

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TABLE OF CONTENTS

i

A System for Producing Machine Readable
Users Guides in FORMAT and OSIRIS

ABSTRACT

This manual describes a FORMAT style file for producing users' guides for machine readable data sets. It conforms to the style documented in "A Style Manual for Machine Readable Data and Their Documentation," to be published by the Bureau of Justice Statistics.

A System for Producing Machine Readable
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OVERVIEW

This paper describes the system used to create machine readable users' guides from OSIRIS III or OSIRIS IV machine readable dictionaries. The system uses a special purpose program to merge dictionary information from OSIRIS into a FORMAT inputfile. [1] Two libraries of FORMAT macros and functions are then used to expand the dictionary and labelling information into a printed users' guide. The system is an improvement over the present OSIRIS machine readable codebook in several ways. It is much more powerful and flexible in its formatting, since it uses the facilities of a general purpose document formatting language. It is also easier to update and modify, since the input text is in free format, rather than being constrained to particular columns of the record. This system has been designed around the FORMAT document processing language. However, the system is directly applicable to any document processing language with a macro facility.

By suitable redefining of FORMAT macros, the same file can serve as a machine readable codebook, paper questionnaire, driver for a Computer Assisted Telephone Interviewing program, and input file to an information retrieval system.

PREPARATION OF A USERS^ GUIDE

Dictionary Preparation

The OSIRIS dictionary is prepared in the usual fashion, but without the inclusion of codebook records. If desired, L records containing category labels can be inserted.

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1. The reader is assumed to be familiar with FORMAT, its macro facility, and the DOCFMT macro library described in R. C. Roistacher, DOCFMT: A FORMAT Style File. Washington, DC: Bureau of Social Science Research, 1980.

FORMAT Input File Preparation

The manuscript file for the complete users' guide is prepared as a FORMAT input file, using the macro descriptions described here and in the documentation for DOCFMT. However, with the exception of the OSIRIS variable number, no dictionary information need be placed into the |V macro invocation which begins each variable's description in the codebook.

The macros in CBMACLIB in general correspond to the codebook record types in the OSIRIS III machine readable codebook, which is the most generally serviceable format for documentation.

MERGING DICTIONARY AND FORMAT FILES

The OSIRIS dictionary and the FORMAT manuscript are merged with CBUD, the codebook updating program. CBUD queries for the name of the dictionary, the name of the FORMAT file, and writes its output on SPUNCH. CBUD matches each T-record in the dictionary with the correspondingly numbered |V macro in the FORMAT file, and inserts the dictionary information into the macro invocation as parameters. Since CBUD ignores all but the first argument to |V, the OSIRIS variable number, the output of one run of CBUD may be used as input to another run of the program. Thus, there is no need to keep a "master" copy of the codebook in order to facilitate changing the dictionary information. Any current copy can be used as the master. The resulting file is then processed with FORMAT to yield a printed users' guide.

CODEBOOK MACROS

The codebook style file, CBFMT, is included in the beginning of the manuscript. CBFMT calls on FMTMACLIB, which contains the macros used by DOCFMT, so that all of the usual macros are available. However, CBFMT contains a number of different formats, as well as several functions not in DOCFMT. The following macros are in CBMACLIB:

The dictionary definition macro. The codebook section in the users' guide begins with a |DDR macro. The macro, without arguments, is inserted at the beginning of the codebook section of the users' guide manuscript. CBUD scans the manuscript, but does not begin to process the dictionary until it encounters a |DDR macro in the FORMAT file. CBUD begins codebook processing by inserting the information from the dictionary definition record into the FORMAT file as arguments to the |DDR macro. This information is not used by FORMAT, nor is it printed in the users' guide. However, the |DDR macro does reset the tabs,

indents, and page formats so as properly to format the printed codebook. Thus, even though it seems to print nothing, it is essential that each codebook section of the FORMAT file begin with the |DDR macro.

THE |V FUNCTION

Each description of a variable begins with an invocation of the |V function. With the exception of the OSIRIS variable number, which the user must insert to facilitate matching, all of the arguments to the V-function are inserted by CBFMT. (This, of course, does not preclude the user from inserting dictionary information manually.)

The question text marker macro. Following each |V macro is usually the text of the question or an extended description of the variable. The beginning of each such "question" is marked with the |Q macro, which takes no arguments.

The category label macro. Each value of a categorical variable is labeled with a |C macro, which takes three arguments. The first argument is the value being labeled. The second argument is the 8-character category label. The third (optional) argument is a frequency for the value. [2] Note that the variable to which the |C macro applies is determined by its position in the file. It is assumed to belong to the variable described in the immediately preceding |V macro.

The Category Group Macro

Groups of categories labeled with |C macros can be labeled with a |B macro. This macro, which takes no arguments, is used to mark labels such as "New England" in a list of "State" categories.

The explanatory text macro. This macro is used to mark text which applies to a group of variables. It takes as an argument a list of the variables to which it applies. The list of numbers can be separated by commas, or by "-"s to indicate ranges. As long as at least one of the variables in the list is in the dictionary, the explanatory text will be kept. It will be deleted from subsetted codebooks which contain none of the referenced variables. The text within the scope of the |X macro is delimited by the macro itself at the beginning, and by any other macro at the end.

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2. It is relatively straight-forward to write a program which will update the codebook manuscript file from a file of frequencies produced by &TABLES.

Tables Of Contents

Since a users' guide has two tables of contents, special
precautions must be taken to assure the proper numbering of the
pages for the tables of contents. CBFMT uses two special-
purpose macros for this purpose.

The table of contents marking macro. |MARKTOC is a
multipurpose macro which makes room in the roman numbered
section for the table of contents and the variable table of
contents. MARKTOC is called at the end of the last piece of
roman paginated text. It sets up several table of contents
entries, changes the page numbers to arabic, sets the page
titles to the proper side, etc. MARKTOC is called with no
arguments, and should be followed by a TITLE macro call for a
proper page skip and shift of page number to bottom center.

The table of contents printing macro. |PRINTTOC sets up
and prints the main and variable tables of contents. It must be
called as "|PRINTTOC('|par.1','|par.2')" so that the macro
definitions in it will be written correctly.

LISTING OF THE CODEBOOK STYLE FILE

The following is a full listing of CBFMT, the style file
which should be included at the beginning of a users' guide
manuscript file.

```
lfooter
/j3e/
rfooter
/j3e/
page -1 60 30
call page(ROMAN)
load contents
call contents(roman)
call page(off)
cycle the page number
right page number
lowercase input
translate output BF ''
tabs 5 10 15 20 25 30 35 40 45 50 55
indent (4,0) (9,0) (14,0) (19,0) (24,0) (29,0)
text 4 11
load page
load oddpage sgda:fmtlib
go
|contents(PAD,3,.) |count(1,1,1,integer,0)
|library(sgda:fmtmaclib) |library(sgdd:cbmaclib)
```

LISTING OF THE CODEBOOK MACRO FILE

The following is a full listing of the macro file which is
called by CBFMT. (Some of the macros which are used only
internally are not explicitly documented here, but are listed
below.)

```
DEFINE DDR
||stack(push,tabs) |stack(push,indents) /v/
|text 6 10
|lfooter
|/e/
|rfooter
|/e/
|tabs 9 13 40 44
|indent (5,0) (9,0) (12,0)
|load v sgda:fmtlib
|load just
|load vartoc * contents
|go
||vartoc(PAD,3,.) |ops |h1('Codebook')

DEFINE ENDCB
|/v/
|subtitle 4 1
|/e/
|text 4 10
|lfooter
|/j3e/
|rfooter
|/j3e/
|erase ddr
|erase v
|erase q
|erase c
|erase b
|erase x
|erase h
|erase error
|go

DEFINE TITLES
||stack(pop,tabs) |stack(pop,indents) /v/
|ltitle 1 1
||par.1| /q/ |par.2| /qe/
|rtitle 1 1
||par.1| /l/ |par.2| /e/
|go

DEFINE FOOTERS
```

```
|/v/
|lfooter
|/12/ |par.1| /q/ |par.2| /qe/
|rfooter
|/12/ |par.1| /1/ |par.2| /e/
|go

DEFINE TITLE
||null(5,' |oddpage('' /s/  '') ') /v/
|page -1 60 30
|no repeat title
|go
|/sjm/ |par.1| |null(2,' ',' /1/ |par.2| ') /ml2v/
|repeat title
|page -2 1 0
|go
||null(3,' ',|titles('|par.1|','|par.2')')
||null(4,' ',|footers('|par.1|','|par.2')')
||null(5,' ' |contents('|par.1 |par.2|',|par.5|) ')

DEFINE MARKTOC
||oddpage(' /s/   ') |page(SAVE) /s/ /j3m/
|*** INSERT TABLE OF CONTENTS HERE *** /m/
|  |null(1,'|page(ADD,2)|','|page(ADD,|par.2|)')|
||contents('Variable Table of Contents',1)
||oddpage(' /s/   ') |page(INTEGER,1) |contents(INTEGER) /v/
|right
|go

DEFINE PRINTTOC
||page(RESET,0) |page(ROMAN) /v/
|right hand page number
|go
||CONTENTS(OFF)     /sj3/    |H1('Table   of   Contents')
|stack(push,tabs) |stack(push,indents) /v/
|set c1 = ' /lf/ |par.1| /fd4/ |par.2| '
|set c2 = ' /ltf/ |par.1| /fd4/ |par.2| '
|set c3 = ' /lt2f/ |par.1| /fd4/ |par.2| '
|set c4 = ' /lt3f/ |par.1| /fd4/ |par.2| '
|tabs 2 4 6 58
|go
||CONTENTS(GENERATE) |stack(push,tabs)  |stack(push,indents)
|ops /v/
|set c1 = ' /12w4m/ |par.1| /ml/ '
|set c2 = '/1/ |par.1| /d4/ |par.2| '
|tabs 2 4 6 58
|go
|/j3/ |h1('Variable  Table  of Contents') |VARTOC(GENERATE)
/sj3/

DEFINE Q
| /rw4p/

DEFINE B
| /rw4p/
```

```
DEFINE X
|/rlw4p/ Ref. Nos. |par.1|.

DEFINE H
|/rl2/ Type |par.1| Record Name: |par.2|

DEFINE C
|/rlw4/ |null(3,' ','|just(3,6)')
|/t1/ |just(1,3) /t2h3/ |par.2| /1/

DEFINE ERROR
|Warning: See Appendix 2 for more information about this
variable.
```

· APPENDIX: AN EXAMPLE OF A MACHINE READABLE USERS^ GUIDE

The appendix is a skeleton users' guide produced with
CBFMT. It conforms to the style outlined in "A Style Manual for
Machine-Readable Data and Their Documentation," and contains
examples of the use of all macros and functions in CBFMT. CBFMT
style file and the CBMACLIB library.

Example of a Users' Guide for Machine Readable Data
Bureau of Social Science Research

TABLE OF CONTENTS

ABSTRACT

This fragment demonstrates all of the macros and functions used to produce users' guides for machine readable data sets.

Example of a Users' Guide for Machine Readable Data
Bureau of Social Science Research

VARIABLE TABLE OF CONTENTS

|title1

INTRODUCTION

This is the introduction to the machine readable users' guide. It tells about the study and how it was done.

CODEBOOK

Record Identification Variables

V0
RECORD TYPE IDENTIFIER
Location: 1 Width: 1
<No Missing Data Defined>

Reference: 0000
File I.D.:   JD1
Numeric   character

    51   1 STATE

    722   2 FACILITY

Record Type 1, State

V101
SEQUENCE NUMBER
Location: 2 Width: 3
<No Missing Data Defined>

Reference: 0101
File I.D.:   JD1
Numeric   character
Record   Type: 1

    Sequence numbers were assigned to all records in the file after facilities records were merged into state records. Sequence numbers range from 1 to 773, for 51 state records and 722 facility records.

V102
STATE NUMBER
Location: 5 Width: 2
<No Missing Data Defined>

Reference: 0102
File I.D.:   JD1
Numeric   character
Record   Type: 1

    This variable keys Record Type 1, State, to Record Type 2, Facility.

    01 Alabama

    02 Alaska

(V102, STATE NUMBER, Continued)

    03 Arizona

    04 Arkansas

    05 California

V103
TL STATE FACILITIES
Location: 7 Width: 3
Missing Data: EQ 999 OR GE 998

Reference: 0103
File I.D.:   JD1
Numeric   character
Record   Type: 1

    Total number of juvenile detention and correction facilities in the state.

Record Type 2, Facility

V201
SEQUENCE NUMBER
Location: 2 Width: 3
<No Missing Data Defined>

Reference: 0201
File I.D.:   JD1
Numeric   character
Record   Type: 2

    The values range from 1 to 773 and are in ascending order. Sequence numbers were assigned to the file sorted on Ref. Nos. 202, 203, 204, 205, 208, and 209.

    Ref. Nos. 202-212. These variables are the identification variables assigned by the Governments Division of the Bureau of the Census.

V202
STATE NUMBER
Location: 5 Width: 2
Missing Data: EQ 99

Reference: 0202
File I.D.:   JD1
Numeric   character
Record   Type: 2

    This variable keys Record Type 1, State, to Record Type 2, Facility.

    9   01 Alabama

    3   02 Alaska

    9   03 Arizona

    7   04 Arkansas

(V202, STATE NUMBER, Continued)

105   05 California

V213
PRIMARY FUNCT OF FACILTY
Location: 21 Width: 1
Missing Data: EQ 9

Reference: 0213
File I.D.:   JD1
Numeric   character
Record   Type: 2

II.A. What is the primary function of this facility?

305   1 Detention center
       Provides temporary care in a physically restricting
       facility for juveniles in custody pending court
       disposition, and often for juveniles who are
       adjudicated delinquent or are awaiting return to
       another jurisdiction.

17   2 Shelter
       Provides temporary care, similar to that of a
       detention center, in a physically unrestricting
       facility.

16   3 Reception/diagn cntr
       Reception or diagnostic center. A facility that
       screens juvenile court commitments and assigns them
       to appropriate treatment facilities.

191   4 Training school
       A specialized institution serving delinquent
       juveniles committed directly to it by juvenile
       courts or placed in it by an agency having such
       authority.

115   5 Ranch/fors camp/farm
       Ranch, forestry camp, farm. A residential treatment
       facility for juveniles, whose behavior does not
       necessitate the strict confinement of a training
       school, often allowing them greater contact with the
       community.

78   6 Halfway house
       Halfway house, group home. A facility where children
       live in the facility but are permitted extensive
       contact with the community such as for jobs and
       schools. |break

V290
AGE OF OLDEST MALE
Location: 233 Width: 2
Missing Data: EQ 99

Reference: 0290
File I.D.:   JD1
Numeric   character
Record   Type: 2

(V290, AGE OF OLDEST MALE, Continued)

IV.A.2. Age of the oldest male currently under supervision.
Warning: See Appendix 2 for more information about this
variable.

APPENDIX

This is an appendix.

```
  2.2              tran OUT '^' ''''                                    TRANSLATE OUTPUT
  3               include cbfmt3                                        INCLUDE
  1               *com              CBFMT                               COMMENT
  1.9             *com                                                  COMMENT
  2.8             *com    A Style File for Producing Machine Readable Users' Gu COMMENT
  3.7             *com       This *FORMAT style file is for producing ma COMMENT
  4.6             *com  readable users' guides for machine readable data set COMMENT
  5.5             *com  conforms to the style documented in "A Style Manual COMMENT
  6.4             *com  Machine Readable Data and Their Documentation," COMMENT
  7.3             *com  published by the United States Government Printing Off COMMENT
  8.2             *com                                                  COMMENT
  9.1             *com       This file is included at the beginning of the *F COMMENT
 10               *com  manuscript file for a users' guide. It calls on a COMMENT
 10.9             *com  file "CBMACLIB", and a loader library file, "FMTMAC COMMENT
 11.8             *com  The latter file contains a number of FORTRAN subprog COMMENT
 12.7             *com  which are called from FORMAT as functions. The former COMMENT
 13.6             *com  contains the FORMAT macros themselves. Both of these COMMENT
 14.5             *com  are called by CBFMT, this style file. However, i COMMENT
 15.4             *com  necessary that these files be accessable to the us COMMENT
 16.3             *com  this file.                                      COMMENT
 17.2             *com                                                  COMMENT
 18.1             *com       The format for the users' guide was designe COMMENT
 19               *com  Barbara B. Noble and Richard C, Roistacher. Bure COMMENT
 19.9             *com  Social Science Research, 1990 M Street, NW, Washington COMMENT
 20.8             *com  20036.                                          COMMENT
 21.7             *com                                                  COMMENT
 22.6             *com       This file and its accompanying macro libraries COMMENT
 23.5             *com  designed by Richard C. Roistacher.              COMMENT
 24.4             *com                                                  COMMENT
 25.3             *com       This work was supported by LEAA Grant 78-SS-AX-00 COMMENT
 26               *com                                                  COMMENT
 27             *lfooter                                                LEFT FOOTER
 28             */j3e/
 29             *rfooter                                                RIGHT FOOTER
 30             */j3e/
 31             *page 1 60 30                                           PAGE NUMBER: 1 60 30
 32             *call page(ROMAN,1)                                     CALL MACRO
 33             *load contents                                          DEFINED |CONTENTS|
 34             *call contents(roman)                                   CALL MACRO
 36             *cycle the page number                                  CYCLE PAGE NUMBER *ON*
 37             *right page number                                      RIGHT PAGE NUMBER *ON*
 38             *lowercase input                                        LOWER CASE INPUT *ON*
 39             *translate OUTput BF ' '                                TRANSLATE OUTPUT
 40             *tabs 5 10 15 20 25 30 35 40 45 50 55                   TABS SET TO: 5 10 15 20 25 30 35 40 45 50 55
 41             *indent (4,0) (9,0) (14,0) (19,0) (24,0) (29,0)         INDENT COLUMNS: 4 0 9 0 14 0 19 0 24 0 29 0
 42             *text 4 11                                              TEXT LINE, PRINT POSITION: 4 11
 43             *load page                                              DEFINED |PAGE|
 44             *load oddpage sgda:fmtlib                               DEFINED |ODDPAGE|
 45             *go                                                     GO
```

LIBRARY: MACRO "CLN" DEFINED FROM "sgda:fmtmaclib(253)"

```
  4      1     +control list                                           CONTROL LISTING *ON*
  4      1     +list                                                   LISTING *ON*
  4      1     +number                                                 LINE NUMBERS *ON*
  4      1     +go                                                     GO
  5      1     |title('Example of a Users^ Guide for Machine Readable Data','Bureau of Social Science Research',x,,,x)
```
LIBRARY: MACRO "TITLE" DEFINED FROM "sgda:fmtmaclib(134)"

```
  5      1     +page -2 1 0                                            PAGE NUMBER: 2 1 0
  5      1     +rtitle 1 1                                             RIGHT TITLE LINE, PRINT POSITION: 1 1
```

```
  5      1     +ltitle 1 1                                             LEFT TITLE LINE, PRINT POSITION: 1 1
  5      1     +go                                                     GO
  6      1     |h1('abstract')
```
LIBRARY: MACRO "H1" DEFINED FROM "sgda:fmtmaclib(104)"

```
  6      1     +space 1                                                SPACING 1
  6      1     +go                                                     GO
  7      1         This fragment demonstrates all of the macros and functions used to produce
  8      1     users' guides for machine readable data sets.
  8.5    1     /j2m/ Example of a Users^ Guide for Machine Readable Data /1/ Bureau of Social Science Research /ml/
  9      1     |marktoc
```
LIBRARY: MACRO "MARKTOC" DEFINED FROM "sgdd:cbmaclib(192)"

```
  9      6     +right                                                  RIGHT PAGE NUMBER *ON*
  9      6     +go                                                     GO
 10      6     |h1('Introduction')
 10      6     +space 1                                                SPACING 1
 10      6     +go                                                     GO
 11      6         This is the introduction to the machine readable users' guide.
 12      6     it tells about the study and how it was done.
 13      6     |DDR(1,1,245)
```
LIBRARY: MACRO "DDR" DEFINED FROM "sgdd:cbmaclib(105)"

```
 13      6     +text 6 10                                              TEXT LINE, PRINT POSITION: 6 10
 13      6     +lfooter                                                LEFT FOOTER
 13      6     +rfooter                                                RIGHT FOOTER
 13      6     +tabs 9 13 40 44                                        TABS SET TO: 9 13 40 44
 13      6     +indent (5,0) (9,0) (12,0)                              INDENT COLUMNS: 5 0 9 0 12 0
 13      6     +load v sgda:fmtlib                                     DEFINED |V|
 13      6     +load just                                              DEFINED |JUST|
 13      6     +load vartoc * contents                                 DEFINED |VARTOC|
 13      6     +go                                                     GO
```
LIBRARY: MACRO "OPS" DEFINED FROM "sgda:fmtmaclib(100)"

```
 13      1     +space 1                                                SPACING 1
 13      1     +go                                                     GO
 14      1     |h2('Record identification variables')
```
LIBRARY: MACRO "H2" DEFINED FROM "sgda:fmtmaclib(109)"

```
 14      1     +space 1                                                SPACING 1
 14      1     +go                                                     GO
 16      1     |V(0,'0000','RECORD TYPE IDENTIFIER',1,1,,,'JD1')
 16      1     +SUB 4 1                                                SUBTITLE LINE, POSN 4 1
 16      1     +GO                                                     GO
 16      1     +SUB 4 1                                                SUBTITLE LINE, POSN 4 1
 16      1     +GO                                                     GO
 17      1     |C(1,'STATE',51)
```
LIBRARY: MACRO "C" DEFINED FROM "sgdd:cbmaclib(239)"

```
 18      1     |C(2,'FACILITY',722)
 19      1     |h2('Record type 1, state')
 19      1     +space 1                                                SPACING 1
 19      1     +go                                                     GO
```

```
20   1    |V(101,'0101','SEQUENCE NUMBER',2,3,,,,'JD1',,,,,1)
20   1    +SUB 4 1
20   1    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

20   1    +SUB 4 1
20   1    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

21   1    |Q Sequence numbers were assigned to all records in the file after
LIBRARY: MACRO "Q" DEFINED FROM "sgdd:cbmaclib(231)"
22   1    facilities records were merged into state records.
23   1    Sequence numbers range from 1 to 773, for 51 state records and 722
24   1    facility records.
25   1    |V(102,'0102','STATE NUMBER',5,2,,,'JD1',,,,,1)

25   1    +SUB 4 1
25   1    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

25   1    +SUB 4 1
25   1    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

26   1    |Q This variable keys Record Type 1, State, to Record Type 2, Facility.
27   1    |C(01,Alabama)
28   1    |C(02,Alaska)
29   1    |C(03,Arizona)
30   2    |C(04,Arkansas)
31   2    |C(05,California)
32   2    |V(103,'0103','TL STATE FACILITIES',7,3,999,998,'JD1',,,,,1)

32   2    +SUB 4 1
32   2    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

32   2    +SUB 4 1
32   2    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

33   2    |Q Total number of juvenile detention and correction facilities in the state.
34   2    |h2('Record type 2, Facility')

34   2    +space 1
34   2    +go
                                                SPACING 1
                                                GO

35   2    |V(201,'0201','SEQUENCE NUMBER',2,3,,,'JD1',,,,2)

35   2    +SUB 4 1
35   2    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

35   2    +SUB 4 1
35   2    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

36   2    |vartoc('Sequence Number',2)
37   2    |Q The values range from 1 to 773 and are in ascending order.
38   2    Sequence numbers were assigned to the file sorted on
39   2    Ref. Nos. 202, 203, 204, 205, 208, and 209.
40   2    |x(202-212) These variables are the identification variables assigned by the
LIBRARY: MACRO "X" DEFINED FROM "sgdd:cbmaclib(235)"
41   2    Governments Division of the Bureau of the Census.
42   2    |V(202,'0202','STATE NUMBER',5,2,99,,'JD1',,,,2)

42   2    +SUB 4 1
42   2    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

42   2    +SUB 4 1
42   2    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

43   2    |Q This variable keys Record Type 1, State, to Record Type 2, Facility.
44   2    |vartoc('State Number',2)
45   2    |C(01,Alabama,9)
46   2    |C(02,Alaska,3)
47   2    |C(03,Arizona,9)
48   2    |C(04,Arkansas,7)
49   2    |C(05,California,105)
50   3    |V(213,'0213','PRIMARY FUNCT OF FACILTY',21,1,9,,'JD1',,,,,2)

50   3    +SUB 4 1
50   3    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

50   3    +SUB 4 1
50   3    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

51   3    |vartoc('Primary Function of Facility',2)
52   3    |Q II.A. What is the primary function of this facility?
53   3    |C(1,'Detention center',305) Provides temporary care in a
54   3    physically restricting facility for juveniles in
55   3    custody pending court disposition, and often for
56   3    juveniles who are adjudicated delinquent or are
57   3    awaiting return to another jurisdiction.
58   3    |C(2,Shelter,17) Provides temporary care, similar to that
59   3    of a detention center, in a physically unrestricting
60   3    facility.
61   3    |C(3,'Reception//diagn cntr',16) Reception or diagnostic center.
62   3    A facility that
63   3    screens juvenile court commitments and assigns them to
64   3    appropriate treatment facilities.
65   3    |C(4,'Training school',191) A specialized institution serving
66   3    delinquent juveniles committed directly to it by juvenile
67   3    courts or placed in it by an agency having such authority.
68   3    |C(5,'Ranch//fors camp//farm',115) Ranch, forestry camp, farm.
69   3    A residential treatment facility for juveniles, whose
70   3    behavior does not necessitate the strict confinement of a
71   3    training school, often allowing them greater contact with
72   3    the community.
73   3    |C(6,'Halfway house',78) Halfway house, group home. A facility
74   3    where children live in the facility but are permitted
75   3    extensive contact with the community such as for jobs and
76   3    schools.
77   3    |break
78   3    |V(290,'0290','AGE OF OLDEST MALE',233,2,99,,'JD1',,,,,2)

78   3    +SUB 4 1
78   3    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

78   3    +SUB 4 1
78   3    +GO
                                                SUBTITLE LINE, POSN 4 1
                                                GO

79   3    |vartoc('Oldest Age Currently Under Supervision-Male',2)
80   3    |Q IV.A.2. Age of the oldest male
81   4    currently under supervision.
82   4    |error |endcb
LIBRARY: MACRO "ERROR" DEFINED FROM "sgdd:cbmaclib(242)"
LIBRARY: MACRO "ENDCB" DEFINED FROM "sgdd:cbmaclib(130)"

82   4    +subtitle 4 1
82   4    +text 4 10
82   4    +lfooter
82   4    +rfooter
                                                SUBTITLE LINE, POSN 4 1
                                                TEXT LINE, PRINT POSITION: 4 10
                                                LEFT FOOTER
                                                RIGHT FOOTER
```

```
82      4      +erase ddr                                    ERASE MACRO DEFINITION
82      4      +erase v                                      ERASE MACRO DEFINITION
82      4      +erase q                                      ERASE MACRO DEFINITION
82      4      +erase c                                      ERASE MACRO DEFINITION
82      4      +erase b                                      ERASE MACRO DEFINITION
82      4      +erase x                                      ERASE MACRO DEFINITION
82      4      +erase h                                      ERASE MACRO DEFINITION
82      4      +erase error                                  ERASE MACRO DEFINITION
82      4      +go                                           GO

83      4      |h1('appendix')

83      4      +space 1                                      SPACING 1
83      4      +go                                           GO

84      4      This is an appendix.
85      4      |printtoc(|par.1|,|par.2|)
               LIBRARY: MACRO "PRINTTOC" DEFINED FROM "sgdd:cbmaclib(207)"

85      4      +right hand page number                       RIGHT PAGE NUMBER *ON*
85      4      +go                                           GO

85      3      +space 1                                      SPACING 1
85      3      +go                                           GO

85      3      +set c1 = ' /1f/ |par.1| /fd4/ |par.2| '       DEFINED |C1|
85      3      +set c2 = ' /1tf/ |par.1| /fd4/ |par.2| '      DEFINED |C2|
85      3      +set c3 = ' /1t2f/ |par.1| /fd4/ |par.2| '     DEFINED |C3|
85      3      +set c4 = ' /1t3f/ |par.1| /fd4/ |par.2| '     DEFINED |C4|
85      3      +tabs 2 4 6 58                                TABS SET TO: 2 4 6 58
85      3      +go                                           GO

85      5      +set c1 = ' /12w4m/ |par.1| /ml/ '             DEFINED |C1|
85      5      +set c2 = '/1/ |par.1| /d4/ |par.2| '          DEFINED |C2|
85      5      +tabs 2 4 6 58                                TABS SET TO: 2 4 6 58
85      5      +go                                           GO

85      5      +space 1                                      SPACING 1
85      5      +go                                           GO


INPUT: 84 SCARDS, 49 INCLUDED, 162 GENERATED LINES.

STATISTICS: 56 MACRO USES, 126 FUNCTION USES, 141 CONTROL CARDS.

OUTPUT: 12 PAGES, 663 LINES, 729 WORDS, 0 ERRORS.
```

END