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DISSEMINATION CONTROL ABBREVIATIONS

NOFORN-	Not Releasable to Foreign Nationals
NOCONTRACT-	Not Releasable to Contractors or Contractor/Consultants
PROPIN-	Caution-Proprietary Information Involved
USIBONLY-	USIB Departments Only
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UPDATE FOR NDS DOCUMENTATION
June 1980

QUERYING NPIC DATA SYSTEM (NDS) FILES
VIA THE COINS NETWORK

January 1980

REVISED PAGES

Destroy old pages.   Insert new pages.

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1. THE QUERY LANGUAGE PROCESSOR (QLP)

    At present only a limited version of QLP is available for COINS II. In this section you
will find instructions for constructing and formatting a QLP query.

QUERY STATEMENTS

    The following syntax skeleton summarizes the three QLP statements that comprise a query.

        INVOKE subschema-name of PRODSCHEMA (newline)

        CALL procedure-name 'argument 1','argument 2',...',argument N' (newline)

        EXIT (newline)

        where: subschema-name will indicate the file to be queried

                (newline) represents the carriage return or newline key
                on your terminal

                procedure-name will indicate the predefined library
                query you want to use

                argument(s) will be the actual data base values for
                which you are querying the file

The INVOKE Statement

    Each query is initiated by an INVOKE statement. The INVOKE statement establishes com-
munication with the NDS data base system and states which file (subschema) of the NDS data
base is to be queried. The subschema-name parameter of this statement should be selected
based upon the file you wish to query. (See the following table.)

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Subschema Name	File to be queried
COINSIDF	IDF
COINSEPF	EPF
COINSODF	ODF
COINSMPF	MPF

For example, if you want to query the Installations Data File (IDF), the first statement of your query would be:

INVOKE COINSIDF OF PRODSCHEMA (newline)

The CALL Statement

The CALL statement consists of a procedure-name followed by the appropriate number of arguments for the procedure-name you are using. A procedure-name is a combination of two acronyms. The first indicates the output you want as a result of your query and is called a report acronym. The second, indicates the type of data for which you are querying the file and is called a query acronym. Arguments consist of the actual data base values that must be matched in order to retrieve any output. Actually, procedure-names call predefined queries from the query library. (See sections 2, 3, and 4 for a discussion of the predefined queries available for the IDF, EPF, and ODF.)

For example, if you want to print output from a header record in the IDF for an installation with this BE number, 0123-45678, you would use the IHED1BE procedure-name. The report acronym, IHED, indicates that you want output from a header record, and the query acronym, 1BE, indicates that the record is to be retrieved based on a single BE number. The IHED1BE procedure name requires one argument, namely, the value for the BE number to be match in the file. Arguments are always set off by single quotes. Thus the CALL statement for this query is:

CALL IHED1BE '0123-45678' (newline)

The EXIT Statement

The EXIT statement terminates the query. Simply type the word EXIT and press the car-
riage return or the newline key on your terminal, e.g.:

                                EXIT (newline)

Summary

Thus the QLP queries presently available for COINS consist of three query statements:

* the INVOKE statement which indicates the file to be queried

* the CALL statement which indicates the data to be retrieved and the
  output format for the answer

* the EXIT statement which terminates the query

Here is an example of a query against the IDF:

                    INVOKE COINSIDF OF PRODSCHEMA (newline)
                    CALL IHED1BE '0123-45678' (newline)
                    EXIT (newline)

QUERY FORMAT

The format for a QLP query is very simple and must conform to the following rules.

* Each query must consist of an INVOKE statement, a CALL statement, and
  an EXIT statement in that order.

* Each statement must begin on a new line, therefore, you must terminate
  each statement by pressing the newline or carriage return key on your
  terminal.

* Each word in a statement must be separated by one or more spaces except
  when using multiple arguments; then separate each argument with a comma.

This exception does not apply to the arguments for the CIRC query
acronymn (see QUERY CONDITIONS) nor to the arguments used in MPF
queries. (See Chapter VI.) Arguments used with the CIRC query
acronymn and in MPF queries must be separated by one or more spaces.

* Arguments must be set off by single quotes. Each procedure-name has
  a required number of arguments and they must be entered in the CALL
  statement in a set order. (See Sections 2, 3, and 4 in this chapter.)
  As mentioned above, multiple arguments must be separated by commas and
  not spaces except when using the CIRC query acronymn and in MPF queries.
  In these two cases, separate multiple arguments with one or more spaces.

* Generally a statement will not require more than one line. But if you
  need or want to continue a statement on a new line, you can do so by
  keying in a semicolon. The semicolon can be placed anywhere within a
  line, even in the middle of a word, but you must press the carriage
  return or newline key immediately after entering the semicolon. When
  QLP encounters a semicolon, it appends the first character of the new
  line to the character preceding the semicolon on the previous line.
  Therefore if a semicolon is placed immediately after a completed argu-
  ment the first character on the new line must be a comma for all
  queries except those using the CIRC query acronymn and MPF queries.
  In these two cases, use spaces instead of commas to separate multiple
  arguments. Note the following examples where (N/L) represents a new
  line and ƀ represents a space.

Two Ways to Continue a Line With Commas as Separators	Two Ways to Continue a Line With Spaces as Separators
1. CALL procedure-name 'argument 1'; (N/L) ,'argument 2','argument 3' (N/L)	1. CALL INHDCIRC 'argument 1'; (N/L) ƀ'argument 2'ƀ'argument 3' (N/L)
2. CALL procedure-name 'argument 1',; (N/L) 'argument 2','argument 3' (N/L)	2. CALL INHDCIRC 'argument 1'ƀ' (N/L) 'agrument 2'ƀ'argument 3' (N/L)

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Query Acronym	Conditions in Query	Number and Order of Arguments
WAC	Select targets with specified WAC	One argument: WAC from TGT-HDR
CTWC	Select targets with specified WAC and specified IDHS code	Two arguments: 1st is WAC from TGT-HDR 2nd is IDHS from TGT-HDR
NCWC	Select targets with specified WAC and with specified NPIC category code	Two arguments: 1st is WAC from TGT-HDR 2nd is NCAT from TGT-HDR
JDAT	Select targets and readouts which were input on a specified Julian date	One argument: Julian date; three digits, e.g., 050 is the 50th day of the current year, i.e., 19 Feb. 1980
CIRC	Select targets which fall with a circle with specified center point and radius	Three arguments: 1st is LAT from TGT-HDR 2nd is LONG from TGT-HDR 3rd is radius in nautical miles; three digits, lead-ing zeros, e.g., 025 expresses a radius of 25 nautical miles; NB: do not separate arguments with commas; use a space.

QUERY PROCEDURES

The table on the following pages summarizes the library of available report and query combinations for the IDF. The entries inside the table represent the required procedure-name and the order and meaning of the arguments for the CALL statement.

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TABLE OF PROCEDURE-NAMES AND ARGUMENTS FOR IDF QUERIES

| | | QUERY ACRONYM | | | | | | | | | |
		1BE	5BE	1ØBE	COUN	CTCN	NCCN	WAC	NCWC	CTWC	JDAT	CIRC
R E P O R T A C R O N Y M	IHED	IHED1BE 'BWAC'	IHED5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	IHED1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	IHEDCOUN 'COUN'	IHEDCTCN 'COUN' 'IDHS'	IHEDNCCN 'NCAT' 'COUN'	IHEDWAC 'WAC'	IHEDNCWC 'WAC' 'NCAT'	IHEDCTWC 'WAC' 'IDHS'	IHEDJDAT 'NNN' (Julian day)	NOT ALLOWED
	INHD	INHD1BE 'BWAC'	INHD5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	INHD1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	INHDCOUN 'COUN'	INHDCTCN 'COUN' 'IDHS'	INHDNCCN 'NCAT' 'COUN'	INHDWAC 'WAC'	INHDNCWC 'WAC' 'NCAT'	INHDCTWC 'WAC' 'IDHS'	NOT ALLOWED	INHDCIRC 'LAT' 'LONG' 'NNN' (radius)
	IDES	IDES1BE 'BWAC'	IDES5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	IDES1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	IDESCOUN 'COUN'	IDESCTCN 'COUN' 'IDHS'	IDESNCCN 'NCAT' 'COUN'	IDESWAC 'WAC'	IDESNCWC 'WAC' 'NCAT'	IDESCTWC 'WAC' 'IDHS'	IDESJDAT 'NNN' (Julian day)	NOT ALLOWED
	IOBJ	IOBJ1BE 'BWAC'	IOBJ5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	IOBJ1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	IOBJCOUN 'COUN'	IOBJCTCN 'COUN' 'IDHS'	IOBJNCCN 'NCAT' 'COUN'	IOBJWAC 'WAC'	IOBJNCWC 'WAC' 'NCAT'	IOBJCTWC 'WAC' 'IDHS'	NOT ALLOWED	NOT ALLOWED
	IPHO	IPHO1BE 'BWAC'	IPHO5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	IPHO1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	IPHOCOUN 'COUN'	IPHOCTCN 'COUN' 'IDHS'	IPHONCCN 'NCAT' 'COUN'	IPHOWAC 'WAC'	IPHONCWC 'WAC' 'NCAT'	IPHOCTWC 'WAC' 'IDHS'	IPHOJDAT 'NNN' (Julian day)	NOT ALLOWED

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TABLE OF PROCEDURE-NAMES AND ARGUMENTS FOR IDF QUERIES (CONTINUED)

		1BE	5BE	10BE	COUN	CTCN	NCCN	WAC	NCWC	CTWC	JDAT	CIRC
							QUERY ACRONYM					
R E P O R T A C R O N Y M	ILOC	ILOC1BE 'BWAC'	ILOC5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	ILOC10BE 1st 'BWAC' 2nd 'BWAC' ... 10th 'BWAC'	ILOCCOUN 'COUN'	ILOCCTCN 'COUN' 'IDHS'	ILOCNCCN 'NCAT' 'COUN'	ILOCWAC 'WAC'	ILOCNCWC 'WAC' 'NCAT'	ILOCCTWC 'WAC' 'IDHS'	NOT ALLOWED	NOT ALLOWED
	ICOL	ICOL1BE 'BWAC'	ICOL5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	ICOL10BE 1st 'BWAC' 2nd 'BWAC' ... 10th 'BWAC'	ICOLCOUN 'COUN'	ICOLCTCN 'COUN' 'IDHS'	ICOLNCCN 'NCAT' 'COUN'	ICOLWAC 'WAC'	ICOLNCWC 'WAC' 'NCAT'	ICOLCTWC 'WAC' 'IDHS'	NOT ALLOWED	NOT ALLOWED
	IREQ	IREQ1BE 'BWAC'	IREQ5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	IREQ10BE 1st 'BWAC' 2nd 'BWAC' ... 10th 'BWAC'	IREQCOUN 'COUN'	IREQCTCN 'COUN' 'IDHS'	IREQNCCN 'NCAT' 'COUN'	IREQWAC 'WAC'	IREQNCWC 'WAC' 'NCAT'	IREQCTWC 'WAC' 'IDHS'	NOT ALLOWED	NOT ALLOWED
	ISTA	ISTA1BE 'BWAC'	ISTA5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	ISTA10BE 1st 'BWAC' 2nd 'BWAC' ... 10th 'BWAC'	ISTACOUN 'COUN'	ISTACTCN 'COUN' 'IDHS'	ISTANCCN 'NCAT' 'COUN'	ISTAWAC 'WAC'	ISTANCWC 'WAC' 'NCAT'	ISTACTWC 'WAC' 'IDHS'	ISTAJDAT 'NNN' (Julian day)	NOT ALLOWED
	IIBR	IIBR1BE 'BWAC'	IIBR5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	IIBR10BE 1st 'BWAC' 2nd 'BWAC' ... 10th 'BWAC'	IIBRCOUN 'COUN'	IIBRCTCN 'COUN' 'IDHS'	IIBRNCCN 'NCAT' 'COUN'	IIBRWAC 'WAC'	IIBRNCWC 'WAC' 'NCAT'	IIBRCTWC 'WAC' 'IDHS'	NOT ALLOWED	NOT ALLOWED

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TABLE OF PROCEDURE-NAMES AND ARGUMENTS FOR IDF QUERIES (CONTINUED)

		1BE	5BE	1ØBE	COUN	CTCN	NCCN	WAC	NCWC	CTWC	JDAT	CIRC
R E P O R T A C R O N Y M	ISEC	ISEC1BE 'BWAC'	ISEC5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	ISEC1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	ISECCOUN 'COUN'	ISECCTCN 'COUN' 'IDHS'	ISECNCCN 'NCAT' 'COUN'	ISECWAC 'WAC'	ISECNCWC 'WAC' 'NCAT'	ISECCTWC 'WAC' 'IDHS'	NOT ALLOWED	NOT ALLOWED
	IPRO	IPRO1BE 'BWAC'	IPRO5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	IPRO1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	IPROCOUN 'COUN'	IPROCTCN 'COUN' 'IDHS'	IPRONCCN 'NCAT' 'COUN'	IPROWAC 'WAC'	IPRONCWC 'WAC' 'NCAT'	IPROCTWC 'WAC' 'IDHS'	NOT ALLOWED	NOT ALLOWED
	CON1	CON11BE 'BWAC'	CON15BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	CON11ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED
	IDAT	IDAT1BE 'BWAC' low 'MISS-DAT' high 'MISS-DAT'	IDAT5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC' low 'MISS-DAT' high 'MISS-DAT'	IDAT1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC' low 'MISS-DAT' high 'MISS-DAT'	IDATCOUN 'COUN' low 'MISS-DAT' high 'MISS-DAT'	IDATCTCN 'COUN' 'IDHS' low 'MISS-DAT' high 'MISS-DAT'	IDATNCCN 'NCAT' 'COUN' low 'MISS-DAT' high 'MISS-DAT'	IDATWAC 'WAC' low 'MISS-DAT' high 'MISS-DAT'	IDATNCWC 'WAC' 'NCAT' low 'MISS-DAT' high 'MISS-DAT'	IDATCTWC 'WAC' 'IDHS' low 'MISS-DAT' high 'MISS-DAT'	NOT ALLOWED	NOT ALLOWED
	IALL	IALL1BE 'BWAC'	IALL5BE 1st 'BWAC' 2nd 'BWAC' ... 5th 'BWAC'	IALL1ØBE 1st 'BWAC' 2nd 'BWAC' ... 1Øth 'BWAC'	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED

QUERY ACRONYM (column header spanning)

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ITEM	ENTRY	CHARACTER POSITIONS	FORMAT OF ENTRY N=number A=letter b=blank

TGT–STAT (Cont.)

          R = retired target

          S = SALT target

          X = record retired by IEG but re-
              activated by CIA/OIA

AGEN	Codes for agencies responsible for installation exploitation	4	AAAA
P1-SAT-AGEN	Code for agency responsible for 1st phase satellite exploitation	1	A
P1-AC-AGEN	Code for agency responsible for 1st phase aircraft exploitation	1	A
P2-SAT-AGEN	Code for agency responsible for 2nd phase satellite exploitation	1	A
P2-AC-AGEN	Code for agency responsible for 2nd phase aircraft exploitation	1	A

TGT-HDR RECORD

| ITEM	ENTRY	CHARACTER POSITIONS	FORMAT OF ENTRY N=number A=letter b=blank
MAP-REF	WAC WAG cell for this installation	10	Alphanumeric; no adjustment
PI-SKILL	Code for Photo Interpretation skills necessary for this target	2	NA
P2-RPT-DUE-DAT	Date that next second phase read-out of this target is due; YYMMDD format	6	NNNNNN
FR-MISS-ID	Last film return mission on which target was exploited	9	Alphanumeric; left justified; trailing blanks
FR-COLL-DAT	Last film return collection date; YYMMDD format	6	NNNNNN
FR-RD-OUT-DAT	Last film return exploitation date; YYMMDD format	6	NNNNNN

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1. RETRIEVING DATA FROM THE
    MENSURATION PARAMETERS FILE

FUNCTION
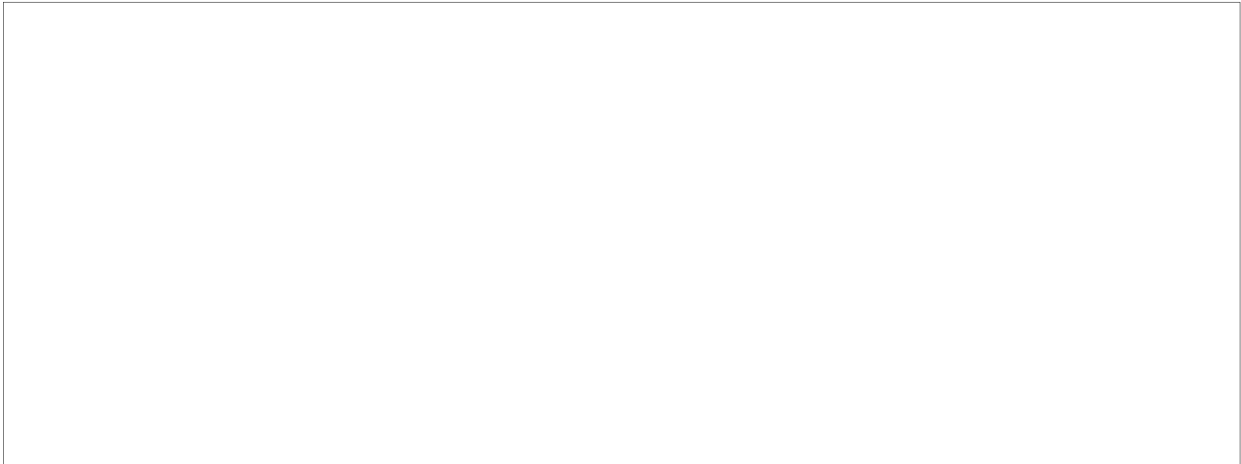
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PROGRAM CALL AND TIME LIMITS

The MPFQRY Program is called and run from a teletype in the COINS network. The structure of
your input query is identical to all other NDS query structures with the following exception.
When using multiple arguments, separate them with one or more spaces; do not use commas.
See Chapter II for a discussion of this structure. To query the MPF, the first statement of
your query should read INVOKE COINS MPF of PRODSCHEMA. The possible CALL statements and
their meaning are given in the following paragraph. Instructions for accessing the network
and making a batch NDS request are available in your office.

The program may be used 24 hours a day, 7 days a week.

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