



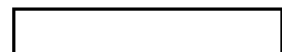
NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

INTEGRATED INFORMATION SYSTEM
USER'S MANUAL FOR THE STAR PROGRAM

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TO THE USERS

Whenever necessary, revisions and/or addenda to this manual will be issued by the Automated Information Division, Production Services Group. If you need additional information on the STAR Program or assistance in using it, contact the Chief, Information Systems Branch, AID.

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THE STAR PROGRAM: REQUESTS FOR INFORMATION
IN THE INSTALLATIONS DATA FILE

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STAR, an acronym for Simplified Target Retrieval, is a computer program that will enable you to request information from one or more records in the Installations Data File (IDF) and to receive an answer within a short time. Each request for information directs the computer to retrieve one or more sectors from a record. Records may be identified by a machine reference number (MRN) or by one of three mnemonics and a related value. Sectors are identified by their respective mnemonics. Requests may be transmitted via a teletypewriter, DCT 2000, or a CRT.

OUTPUT AND ON-LINE
EQUIPMENT

On-Line Equipment

Your output may be sent to any of the on-line equipment listed below.

- * Sanders Tabular Display, a CRT device
- * Kleinschmidt Electronic Data Printer
- * ASR and KSR Teletypes
- * UNIVAC DCT 2000
- * a high-speed printer in the computer room

It is assumed that you know how to operate the equipment you elect to use. An explanation of this equipment and how to use it is presented in Introduction to the Remote Access Computer Service, second edition, published

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by AID/PSG. Copies are available in AID.

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Format of All Output

The format of all output is determined by the program and will not vary. Samples of output have been included at the end of this manual.

No Output

If your request cannot be answered, you will receive a message to this effect. See also ERROR MESSAGES.

ASSUMPTION

To use the program effectively it is assumed that you are familiar with the IDF---its content, format, and sector mnemonics. This information can be found in Format and Mnemonics for Records in the Installations Data File. Copies are available in AID/PSG. All sectors except the INEGA sector can be retrieved from each record in the file.

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TELETYPE AND DCT REQUESTS
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Two types of requests may be submitted via a teletype or a DCT 2000:

- 1) a request for one or more or all sectors from a single record
- 2) a request for the same sector from several records

Both types can be submitted in one transmission.

REQUESTS FOR SECTORS
FROM A SINGLE RECORD

When requesting one or more sectors from a single record, your request must include one of the four identifying mnemonics listed below, its respective value, and the mnemonic for each sector to be retrieved.

- IBES\$ BE number, 10 character positions
- ICOMI COMIREX number, 10 character positions
- INPIC NPIC number, 12 character positions
- MRN\$ machine reference number, 6 character positions

BE and machine reference numbers need not be right or left justified. For machine reference numbers no leading zeros are required, and no blank spaces are required for unused positions. However, the formats for NPIC and COMIREX numbers must be exactly as specified in Format and Mnemonics for Records in the Installations Data File. Leave spaces for all unused positions.

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The format of the request is this:

Identifying Mnemonic, Related Value, Sector Mnemonic(s)

In each request the terms are separated by commas, not spaces. The request is closed by pressing the RETURN and LINE FEED keys [in that order], not by a period. For example, this request would direct the computer to retrieve the IHEAD, IREAD, and INOTE sectors from the target record identified by machine reference number 3232:

MRN\$\$,3232,IHEAD,IREAD,INOTE

This request would retrieve the ILOCA and IDESC sectors from the target record identified by NPIC number 0165- 125 :

INPIC,0165- 125 ,ILOCA,IDESC

The spaces in the NPIC number indicate unused positions.

To retrieve all sectors from a given record specify ALL instead of sector mnemonics. For example:

MRN\$\$,633,ALL

REQUESTS FOR THE SAME SECTOR FROM SEVERAL RECORDS

When requesting the same sector from several records, your request must include the appropriate sector mnemonic and one or more machine reference numbers. These numbers are not preceded by the mnemonic MRN\$\$.

The format of the request is this:

Sector Mnemonic, Machine Reference Numbers

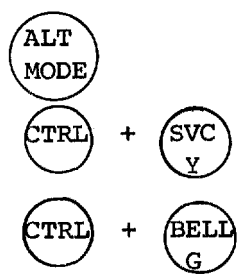
In each request the terms are separated by commas, not spaces. The request is closed by pressing the RETURN and LINE FEED keys [in that order], not with a period. For example, these requests would retrieve the IHEAD and ILOCA sectors from the records identified by the machine reference numbers specified in each:

IHEAD,2,6,198
ILOCA,344,4843,13158

TRANSMITTING REQUESTS
ON A TELETYPEWRITER

The procedures for transmitting requests on ASR, KSR, and Kleinschmidt teletypewriters are identical. Initialization and turnoff procedures and procedures for correcting errors are explained in Introduction to the Remote Access Computer Service.

You may submit as many requests as you wish in one transmission. Begin typing each request at the left margin. Before transmitting your first request, get a RYE READY message by pressing these keys in the order listed:



If the computer system is available, you will receive a RYE READY message. You will receive no other messages before transmitting a request. Then call the program and transmit your request as indicated on the next page. LEN is an abbreviation for logical equipment number; r/l stands for the RETURN and LINE FEED keys. If you want your output printed in the computer room, specify LEN 600. In that case, you are responsible for picking up your output; it will not be forwarded to you. Shortly after transmitting your request, you will receive your output.

Press (ALT MODE)
 (CTRL) + (SMK) simultaneously
 Type STAR,LEN [of device to which output will be sent] (r/l)
 YOUR COMPONENT CODE,NAME,EXTENSION (r/l)

Press (ALT MODE)
 (CTRL) + (SOS) simultaneously
 Type FIRST REQUEST (r/l)
 Omit next two steps if only one request is being transmitted.

Press (ALT MODE)
 (CTRL) + (SOS) simultaneously
 For each subsequent request repeat this & next step.
 Type NEXT REQUEST (r/l)

Press (ALT MODE)
 (CTRL) + (EOT) simultaneously

For example: ALT MODE
 CTRL + SMK
 STAR,102 r/l

()
 ALT MODE
 CTRL + SOS
 MRN\$\$,3232,IHEAD,IREAD,INOTE r/l
 ALT MODE
 CTRL + SOS
 IHEAD,2,6,198 r/l
 ALT MODE
 CTRL + EOT

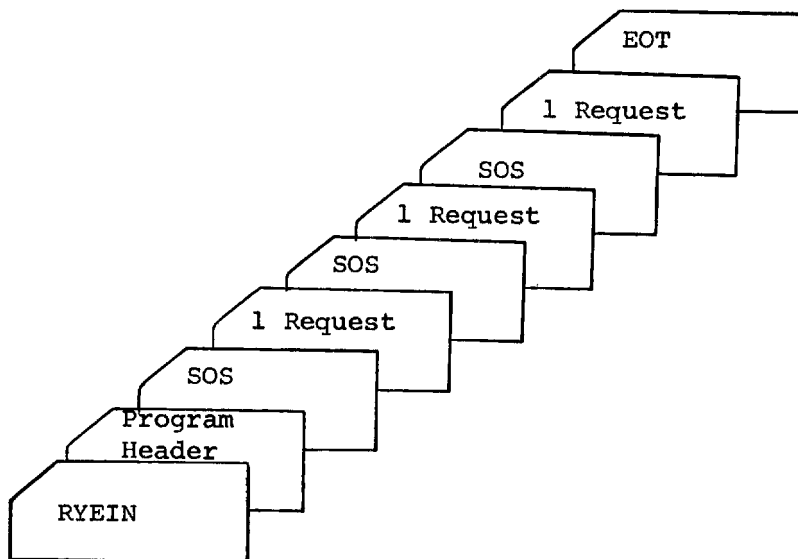
TRANSMITTING REQUESTS
ON A DCT 2000

If you elect to transmit requests on a DCT 2000, your card deck will consist of one or more requests and the control cards shown below. You may submit as many requests as you wish in one transmission. Instructions for punching all control cards except a program header card can be found in Introduction to the Remote Access Computer Service. Initialization and turnoff procedures for the DCT 2000 are also explained in this publication.

To punch a program header card begin in column 1 and proceed to the right. Separate entries with commas or Ø-2-8 punches as indicated in this format:

Ø
STAR, LEN2YOUR COMPONENT CODE, NAME, EXTENSION2
8 8

To punch a request begin in column 1 and proceed to the right. Punch each request on a separate card and close each with an Ø-2-8 punch.



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CRT REQUESTS
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All requests transmitted via a CRT direct the computer to retrieve the same sector from a maximum of five records. The sector to be retrieved is identified by its mnemonic. Each record is identified on the basis of one of the following mnemonics and its related value:

- IBE\$\$ BE number, 10 character positions
- ICOMI COMIREX number, 10 character positions
- INPIC NPIC number, 12 character positions
- MRN\$\$ machine reference number, 6 character positions

BE and machine reference numbers need not be right or left justified. For machine reference numbers no leading zeros are required, and no blank spaces need be allowed for unused positions. However, the formats for NPIC and COMIREX numbers must be exactly as specified in Format and Mnemonics for Records in the Installations Data File. Leave spaces for all unused positions. Instructions on when to type and transmit mnemonics and values will be displayed as you run the program.

You have the option of displaying or printing your output. Sectors will be displayed one at a time. If you elect to have your output printed, printing will not begin until the program has been terminated. THE PAGE TO BE PRINTED WILL NOT BE DISPLAYED BEFORE IT IS PRINTED. If you want your output printed in the computer room, specify LEN 600 when calling the program. In that case, you are responsible for picking up your output; it will not be forwarded to you.

Each time you call the program you may run it for no more than thirty minutes.

PROGRAM CALL

Initialization and turnoff procedures for CRTs are explained in Introduction to the Remote Access Computer Service. After the program

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has been called, a message acknowledging the callup will be sent to the teletypewriter associated with the CRT you are using. This is the only message you will receive on this teletypewriter. Error messages, which are listed in the next section, will be displayed on the CRT screen when appropriate.

Callup procedures for the display and print options are identical. CR and LF are abbreviations for the carriage-return and line-feed keys; EOM stands for end-of-message key; LEN is an abbreviation for logical equipment number.

You may terminate the program at any time by pressing function switch 160.

Press TYPE control switch, then

ERASE control switch
 PAGE

Type STAR,LEN [of CRT you are using]

CR

LF

YOUR COMPONENT CODE,NAME,EXTENSION

EOM

Press XMIT control switch
 PAGE

The UNSOL MSG switch will light up. Press to turn it off. An acknowledgment message will be printed by the associated teletypewriter.

Initial Display for Both Options

PRESS FUNCTION KEY 170 TO USE STAR DISPLAY OPTION.
PRESS FUNCTION KEY 171 TO USE STAR PRINT OPTION.
PRESS FUNCTION KEY 167 AT ANY TIME TO RETURN TO THIS DISPLAY.
PRESS FUNCTION KEY 160 AT ANY TIME TO TERMINATE STAR PROGRAM.

Press only one of these switches (keys).

DISPLAY OPTION: FUNCTION
SWITCH 170 PRESSED

Next Display

ENTER - MRN XXXXXX SECTOR NAME XXXXX TO BE DISPLAYED.
TRANSMIT DISPLAY BY PRESSING CONTROL SWITCH - XMIT PAGE.

Requested sector will be displayed immediately. If you do not have an MRN but do have another record identifier, press function switch 173.

Next Display [Switch 173 Pressed]

ENTER-SECTOR NAME XXXXX TO BE DISPLAYED
INPIC XXXXXXXXXXXX IBE\$\$ XXXXXXXXXXXX
ICOMI XXXXXXXXXXXX
TRANSMIT DISPLAY BY PRESSING CONTROL SWITCH - XMIT PAGE.

Type mnemonic of the sector you want over the X's.
Type at least one value for INPIC, IBE\$\$, or ICOMI.
Shortly after XMIT PAGE has been pressed, your output will be displayed.

Press to submit more requests, or

Press to terminate the program

PRINT OPTION: FUNCTION
SWITCH 171 PRESSED

Next Display

PRESS FUNCTION KEY 170 FOR MRN PAGE.
PRESS FUNCTION KEY 171 FOR WAC-NPIC PAGE.
PRESS FUNCTION KEY 172 FOR BE\$\$ PAGE.
PRESS FUNCTION KEY 173 FOR COMIREX PAGE.
PRESS FUNCTION KEY 167 TO RETURN TO PRINT OR DISPLAY OPTION.
PRESS FUNCTION KEY 160 TO TERMINATE.
DATA IS NOT PRINTED OUT UNTIL STAR IS TERMINATED.

Next Display

One of the CRT pages listed in the previous display.
Follow the instructions given in this display. Then

press

XMIT
PAGE

If this is your first request for printed output,
this message will be displayed:

TO WHICH LEN DO YOU WANT OUTPUT SENT TO XXX.

Place the cursor under the first X. Type one
LEN of an on-line printer. This message will
be displayed only once. Then

press

XMIT
PAGE

Your data is now being prepared for
printing. Printing will not begin
until the program is terminated.

press

160

 to terminate the program

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ERROR MESSAGES
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FOUND NO MATCH FOR INDEX AAAAA: XXXXXXXXXXXX
[AAAAA = mnemonic identifying 1 record
XXXXXXXXXXXX = related value
The mnemonic and/or its related value is invalid.
Rerun the program and use a valid identifier.]

MRN XXXXXX DOESN'T EXIST
[XXXXXX = machine reference number]

SECTOR XXXXX DOES NOT EXIST IN IDF
[XXXXX = sector mnemonic]

SECTOR XXXXX OF MRN XXXXXX CONTAINS NO DATA
[XXXXX = sector mnemonic
XXXXXX = machine reference number]

STAR INTERNAL PROCESSING ERROR NUMBER XXXXX. SAVE TELETYPE
RECEIPT AND CONTACT AID/ISB EXT IF ANY ASSISTANCE IS NEEDED.

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SAMPLES OF OUTPUT

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The output presented on the following pages was printed in answer to requests transmitted via a teletypewriter and a CRT.

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