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This form should be completed and submitted with the program package to the SHARE Program Library Agency at the address shown above. Standards and instructions for submitting programs are in the SHARE Program Library Agency User's Guide and Catalog of Programs, or may be obtained from SPLA.

- (1) Program Number (if new program, will be filled in by SPLA) 370D-75.1.002
- (2) Title of Program IMS DB/DC APPLICATION CALL ANALYZER
(IDACA)
- (3) System Type(s) (Machine) MVS
- (4) Search Keys _____
- (5) Programming Systems/Languages COBOL, PL/I, ASSEMBLER
- (6) Primary Subject Code IMS DB/DC Application
Development
- (7) Minimum System Requirements IMS DB/DC 1.3
- (8) New (N) or Revision (R) N
- (9) Date of Submittal MAR 89
- (10) Documentation (number of pages of hardcopy submitted) 43
- (11) Author's Name and Address ROB YOUNG
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LITTLE ROCK, AR
- (12) Name and Address of Contact for Technical
Inquiries (if different from author) SAME AS ABOVE
- (13) Submitter's Installation Membership Code ABB
- (14) Abstract (use reverse side of this form)

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SHARE PROGRAM LIBRARY SUBMITTAL FORM

The abstract should contain sufficient information for a reader to determine the value of the program. Subjects listed below may serve as a guide for information to include.

- a. Purpose of Program
- b. Programming Language Used
- c. Version and modification level or release number
- d. Field of application
- e. Type of routine (main program, subroutine, etc.)
- f. Specific description of machine requirements

IDACA is an easily invoked design, testing, and monitoring tool for IMS DB/DC application programs. IDACA produces screen images of relevant IMS DB/DC information for each call issued by the application program. These images may be displayed on the originating 3270 display unit, sent to the installation specified printer, transferred to a sequential dataset for subsequent browsing under TSO, or routed to an alternate terminal chosen by the user. IDACA generates full screen displays of the call function, all PCB fields, all SSA's, the segment IO area, the SPA, the MID and MOD, and a database call summary. For SOC7 and SOCB abends, IDACA provides a mini-dump for immediate online debugging.
IDACA is easily invoked by the linkage-editor through execution of a proc, a TSO CLIST, or an ISPF dialogue manager panel. IDACA is not a simulator. IDACA executes as a subprogram of the application program that processes the IMS transaction.
IDACA was developed under IMS 1.2 and migrated easily to IMS 1.3. IDACA has not been tested under more recent versions of IMS.
(Please attach additional abstract pages if necessary. Total pages attached _____)

An "Acknowledgement of Assistance" statement must be attached to this Submittal Form.

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(15) Signature of Submitter and Date

Charles Robert Gray 3/1/89

(16) Signature of Installation Addressee (if SHARE member)



TO: SHARE Program Library Agency
FROM: Rob Young
DATE: February 21, 1989
SUBJECT: IDACA Submittal Program

Memo

TAPE KEY

This volume has standard labels and contains one (1) file as follows:

File 1 IDACA Program Distribution Library
RECFM=FB,LRECL=80,BLKSIZE=32000
VOLSER=IDACA
6500 card images (approximately)
155 Blocks

Use IEBCOPY:

Control Card:

COPY INDD=((IDACATAP,R)),OUTDD=IDACAPDS

Where

//IDACAPDS SPACE=(CYL,(5,1,25)),
// DCB=(DSORG=PO,RECFM=FB,LRECL=80)

RY/ng

MEMBER NAME DLRH0001

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

WELCOME TO THE HELP FACILITY FOR THE IMS DB/DC APPLICATION CALL ANALYZER.
BY ENTERING YOUR SELECTION FROM THE MENU BELOW, YOU MAY GO DIRECTLY TO THE
SPECIFIC HELP AREA THAT INTERESTS YOU. TO PRINT 'HELP', SEE ITEM #300.

SELECTION -----DESCRIPTION----- SUB-SELECTION

100	GENERAL INTEREST AND FEATURES LIST	
200	HOW TO INVOKE IDACA	
	SENDING IDACA TO A SEQUENTIAL DATASET...	250
	LIST OF CONTROLLING LINKAGE PARMS.....	270
	TSD CLIST TO INVOKE IDACA.....	285
	TSD CLIST TO PRINT IDACA SCREEN IMAGES..	300
	USING THE DIALOGUE MANAGER PANEL.....	1000
350	REQUIREMENTS FOR USE	
400	BASIC IDACA SCREEN: DB CALLS	
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500	BASIC IDACA SCREEN: DC CALLS	
	IDACA DC-CALL SCREEN FORMAT NO. 1	550
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MEMBER NAME DLRH0002

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

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900	HINTS AND SPECIAL NOTES	
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	VSAM GETS AND READS (INTERPRETATION)....	920

MEMBER NAME DLRH0100

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

IDACA FEATURES AND GENERAL INTEREST

IDACA PROVIDES THE IMS APPLICATION PROGRAMMER WITH AN EASILY INVOKED DESIGN, TESTING, AND MONITORING TOOL. AMONG IDACA'S SPECIAL FEATURES ARE:

- * IDACA IS NOT A SIMULATOR, AS ARE OTHER TESTING PRODUCTS. IDACA EXECUTES AS A SUBPROGRAM OF THE APPLICATION PROGRAM THAT PROCESSES THE IMS TRANSACTION.
- * IDACA REQUIRES NO CHANGES TO THE USER PROGRAM. IDACA IS EASILY INVOKED BY THE LINKAGE-EDITOR STEP THROUGH THE USE OF A PROC PARAMETER OR, OPTIONALLY, THROUGH A TSO CLIST. ISPF DIALOGUE MANAGER SCREENS ARE ALSO AVAILABLE FOR EASY USE.
- * IDACA PRODUCES SCREEN IMAGES OF PERTINENT IMS DB/DC CALL INFORMATION THAT MAY BE DISPLAYED ON THE ORIGINATING 3270 DISPLAY UNIT, SENT TO THE INSTALLATION SPECIFIED PRINTER, ROUTED TO A SEQUENTIAL DATASET FOR LATER BROWSING UNDER TSO, OR TRANSFERRED TO AN ALTERNATE TERMINAL CHOSEN BY THE USER.
- * IDACA'S SCREENS MAY BE BOTH FORWARD AND BACKWARD PAGED. OTHER PAGING FUNCTIONS ARE AVAILABLE, AND ALL ARE PF-KEY DRIVEN.

MEMBER NAME DLRH0102

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

* IDACA GENERATES FULL SCREEN DISPLAYS OF:

- CALL FUNCTION
- PCB MASK (INCLUDING STATUS CODE)
- PSB NAME AND TRANSACTION ID
- SSA (ABBREVIATED AND/OR FULLY EXTENDED IN HEX)
- ID AREA IN HEX AND CHARACTER
- SPA IN CHARACTER AND HEX
- MID AND MOD IN CHARACTER
- DATABASE CALL SUMMARY

- * IDACA SENDS SCREENS FOR EACH DB/DC CALL, EVEN UP TO THE POINT OF AN APPLICATION PROGRAM ABEND.
- * FOR SDC7 AND SDC8 (DATA EXCEPTION AND DECIMAL DIVIDE) ABENDS, IDACA PROVIDES A MINI-DUMP SCREEN FOR IMMEDIATE ONLINE DEBUGGING.
- * IDACA ALLOWS THE USER TO CONTROL SUCH FEATURES AS WHETHER OR NOT TO DISPLAY THE SPA, THE MID AND MOD, AND THE FULL SSA EXTENSION.

MEMBER NAME OLRH0105

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

- * IDACA SUPPLIES THE NUMBER OF VSAM GETS AND READS FOR EACH DATABASE CALL--A MONITORING FUNCTION THAT COULD IDENTIFY SUCH PERFORMANCE PROBLEMS AS BAD SSA'S BEFORE THE APPLICATION BECOMES PRODUCTIONAL.
- * IDACA WILL DISPLAY, AT THE USER'S OPTION, THE SCRATCH PAD AREA (SPA) WHENEVER IT HAS BEEN MODIFIED IN THE APPLICATION PROGRAM'S WORKING STORAGE AREA.

MEMBER NAME DLRH0200

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

HOW TO INVOKE IDACA

IDACA IS EASILY INVOKED. ONCE THE APPLICATION PROGRAMMER HAS COMPILED AND LINKED THE IMS PROGRAM, HE NEED ONLY RE-LINK THE LOAD MODULE SPECIFYING "IMSTEST=Y" AS ONE OF THE PARAMETERS FOR THE LINKAGE-EDITOR PROC (SSLINK OR SSLINKDC). THE PROGRAMMER MAY THEN EXECUTE THE PROGRAM UNDER IMSTEST. IDACA'S DISPLAY SCREENS WILL BE SENT TO THE TESTING TERMINAL.

WITH THE USE OF THE PROC PARAMETER "IMSTEST=Y", THE PROGRAMMER WILL SEE IDACA SCREENS DISPLAYING THE FULL IO AREA IN BOTH HEX AND CHARACTER MODE (SEVERAL SCREEN IMAGES MAY BE REQUIRED). ALSO, THE USER WILL SEE THE SPA IN CHARACTER AND HEX, THE MID AND MOD IN CHARACTER, AND AN ABBREVIATED SSA, WHICH CONSISTS OF THE FIRST FIFTY (50) BYTES OF THE FIRST EIGHT (8) SSA'S IN CHARACTER MODE ONLY.

SHOULD THE USER NOT WANT TO SEE THE SPA, HE SHOULD SPECIFY "IMSTSPA=N" ALONG WITH THE "IMSTEST=Y" PARAMETER FOR THE LINK STEP. THE DISPLAY OF THE MID AND MOD MAY ALSO BE SUPPRESSED THROUGH THE "IMSTMSG=N" PARAMETER. BOTH

MEMBER NAME DLRH0202

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

SPA AND THE MID/MOD COMBINATION MAY BE SUPPRESSED BY USING BOTH PARMS.

THE ABBREVIATED SSA WILL OFTEN BE SUFFICIENT FOR TESTING AND DEBUGGING. IF, HOWEVER, THE SSA USES NON-DISPLAY CHARACTERS OR IS LONGER THAN FIFTY BYTES, OR IF THERE ARE MORE THAN EIGHT SSA'S FOR THE CALL, THEN THE PROGRAMMER WILL LIKELY NEED TO SEE THE SSA EXTENSION. THIS EXTENSION IS A FULL SCREEN DISPLAY OF EACH SSA IN BOTH HEX AND CHARACTER MODE. THE SSA EXTENSION IS REQUESTED THROUGH THE PROC PARM "IMSTSAX=Y". THIS PARM MAY BE USED WITH EITHER OR BOTH PARMS DISCUSSED ABOVE (IMSTSPA & IMSTMSG).

NORMALLY, THE APPLICATION PROGRAMMER WILL WANT TO SEE THE RESULTS OF EACH CALL AS THE CALL IS MADE. THESE SCREEN IMAGES ARE, BY DEFAULT, SENT TO THE TESTING DISPLAY UNIT. IF, HOWEVER, THE USER WANTS HARD COPIES OF THE IDACA SCREENS, HE SHOULD SPECIFY THE PROC PARM "IMSTPRT=Y" FOR THE LINKAGE STEP. NO SCREEN IMAGES WILL BE DISPLAYED ON THE TESTING TERMINAL.

THE USER MAY ALSO SELECT FROM SEVERAL ALTERNATE DESTINATIONS TO WHICH IDACA OUTPUT MAY BE DIRECTED (THESE ARE USUALLY OTHER DISPLAY UNITS). TO DO SO, THE USER NEEDS ONLY TO ENTER THE PROC PARM 'IMSTALT=X' WHERE X IS

MEMBER NAME DLRH0204

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

A NUMERIC DIGIT THAT WAS PREVIOUSLY ASSOCIATED WITH AN ALTERNATE LTERM.
DURING INSTALLATION OF IDACA, THE INSTALLER HAS CHOSEN CERTAIN DESTINATIONS
AS ALTERNATES AND ASSOCIATED THEM WITH THE DIGITS TO BE USED WITH THE
PROC PARM 'INSTALT'. THE PROGRAMMER SHOULD CHECK WITH THE INSTALLER TO
FIND OUT WHAT ALTERNATE DESTINATIONS ARE AVAILABLE. AS OF 10/15/86 AT
ABCBS THE FOLLOWING ASSOCIATIONS HAVE BEEN MADE:

INSTALT-DIGIT	ALTERNATE-DESTINATION
1	LTRM9F4
2	LTRM217
3	LTRM98A
4	LTRM207
5	LTRM9F4

MEMBER NAME DLRH0250

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

THE PROGRAMMER MAY PREFER TO HAVE IDACA'S SCREEN IMAGES STORED IN A SEQUENTIAL DATASET FOR LATER BROWSING, PROBLEM DOCUMENTATION, ETC. IN THIS CASE, THE PROC PARM "IMSTBRW=Y" SHOULD BE INCLUDED. IDACA SCREENS WILL CONTINUE TO BE DISPLAYED AT THE TESTING TERMINAL. THE PROGRAMMER WILL BE NOTIFIED AT THE TESTING STATION OF THE NAME IDACA HAS CHOSEN FOR THE DATASET IN WHICH THE SCREEN IMAGES ARE BEING STORED. WHEN THE USER HAS FINISHED THE TESTING SESSION, HE SHOULD ISSUE A CLOSE TRANSACTION UNDER IMS TO DE-ALLOCATE THAT DATASET SO THAT IT IS ACCESSIBLE THROUGH TSO. THE FORMAT FOR THAT TRANSACTION IS "CLOSE XXX" WHERE XXX IS THE DATASET NAME. THE MESSAGE 'SUCCESSFUL DEALLOCATION FOR DATASET' WILL BE THE EXPECTED RESPONSE TO THE 'CLOSE' REQUEST.

ONE SEQUENTIAL DATASET MAY BE ALLOCATED BY IDACA FOR EACH MESSAGE PROCESSING PROGRAM. IF THE DATASET IS NOT DELETED BETWEEN EXECUTIONS OF THE PROGRAM, ADDITIONAL IDACA SCREEN-IMAGES WILL BE APPENDED TO THE EXISTING DATASET. THERE IS NO LIMIT IMPOSED BY IDACA ON THE NUMBER OF DATASETS THAT MAY BE SIMULTANEOUSLY ALLOCATED. USERS ASSUME RESPONSIBILITY FOR PROPERLY DELETING OR RENAMING IDACA BROWSE-DATASETS SO THAT OTHERS TESTING THE SAME PROGRAM ARE NOT ADVERSELY AFFECTED.

MEMBER NAME DLRH0270

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

GENERALLY, THE APPLICATION PROGRAMMER ONLY NEEDS TO RE-LINK THE LOAD MODULE TO BE TESTED WITH "IMSTEST=Y". SPECIAL REQUIREMENTS MAY DICTATE USE OF THE OTHER PARMS. THE FOLLOWING SUMMARIZES THE PROGRAMMER'S CHOICES:

-----FUNCTIONS-----	--PROC-PARM--	-----DEFAULTS-----
INVOKE IDACA	IMSTEST=Y/N	DO NOT INVOKE IDACA
DISPLAY SPA	IMSTSPA=Y/N	DO DISPLAY
SHOW SPA AS IT CHANGES	IMSTSPX=Y/N	DO NOT DISPLAY
DISPLAY MID & MOD	IMSTMSG=Y/N	DO DISPLAY
DISPLAY SSA EXTENSION	IMSTSAX=Y/N	DO NOT DISPLAY
PRINT IDACA SCREENS	IMSTPRT=Y/N	DO NOT PRINT SCREENS
CREATE SCREEN DATASET	IMSTBRW=Y/N	DO NOT CREATE DATASET
SCREENS TO ALT LTERM	IMSTALT=0-5	DO NOT USE ALTERNATE

MEMBER NAME DLRH0285

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

THE USER MAY INVOKE IDACA BY EXECUTING THE TSO CLIST 'IMSTEST'. THE
FORMAT FOR THIS CLIST IS:

```
IMSTEST XXXXXXXX YYYYYYYY IMSTSPA(Y/N) IMSTMSG(Y/N) IMSTSAX(N/Y)
IMSTPRT(N/Y) IMSTBRW(N/Y) LANG(CBL/PLI/ASM) ORDER()
LIB(SYSLIB/LOADLIB/PRODLIB/TESTLIB/SPECLIB) IDENTIFY()
IMSTALT(0-5) IMSTSPX(Y/N)
```

WHERE XXXXXXXX IS THE LOAD MODULE TO BE TESTED AND YYYYYYYY IS THE NAME OF
THE LOAD MODULE TO BE PLACED IN THE TEST LOAD LIBRARY (CURRENTLY THIS
DATASET IS 'SSLIB.TESTLOAD'.) EACH OF THE OTHER PARAMETERS ARE LISTED WITH
THEIR POSSIBLE VALUES. THE DEFAULT VALUES ARE LISTED FIRST. IF THE USER
WANTS TO IDENTIFY THE LOAD MODULE, THE IDENTIFY PARAMETER SHOULD SPECIFY
THE CSECT NAME TO BE USED (USUALLY THE LOAD MODULE'S "PURE" NAME).

WHEN THIS CLIST IS EXECUTED, IT WILL RESPOND WITH A LIST OF JCL
THAT WILL BE SUBMITTED UPON APPROVAL. THE JOB CARD FOR THIS JCL IS
EXTRACTED FROM THE TSO HARDCOPY OPTION (SPF 3.6).

MEMBER NAME DLRH0300

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

THE USER WHO HAS SELECTED THE IMSTBRW=Y OPTION TO CREATE A SEQUENTIAL DATASET OF IDACA SCREEN IMAGES MAY WISH TO PRINT THAT DATASET. THE TSO CLIST 'PRTIDACA' MAY BE USED. THE FORMAT FOR THE CLIST IS:

PRTIDACA XXXXXXXX SDUT(Y)

WHERE XXXXXXXX IS THE NAME OF THE SEQUENTIAL DATASET TO BE PRINTED AND Y IS THE SYSOUT PRINT CLASS (THE DEFAULT IS CLASS E).

NOTE:

PRTIDACA HELP

WILL CAUSE THIS SET OF ISPF HELP PANELS TO BE PRINTED.

MEMBER NAME DLRH0350

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

R E Q U I R E M E N T S F O R U S E

IDACA WAS DESIGNED WITH FEW RESTRICTION. FOR THE APPLICATION PROGRAMMER, THERE ARE TWO OF WHICH HE MUST BE AWARE. FIRST, ALL DL/I CALLS TO BE HANDLED BY IDACA MUST SPECIFY PLITOLI, CBLTOLI, OR ASMTOLI AS ENTRY POINTS. SECOND, THE APPLICATION'S PSB MUST HAVE AN ALTERNATE, MODIFIABLE, EXPRESS PCB CODED FIRST. DBA CAN ASSIST IN MEETING THAT REQUIREMENT.

GIVEN THOSE TWO MINOR RESTRICTIONS, VIRTUALLY ANY APPLICATION PROGRAM RUNNING UNDER IMS DC CAN BE TESTED AND DEBUGGED USING IDACA.

MEMBER NAME DLRH0400

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

THE BASIC IDACA SCREEN

DB CALLS

WHEN THE USER INVOKES IDACA WITH THE LINK-STEP PROC PARM "IMSTEST=Y", HE SHOULD EXPECT TO RECEIVE AT LEAST ONE IDACA SCREEN FOR EACH IMS DB/DC CALL ISSUED BY THE APPLICATION PROGRAM. THE FIELDS AND THEIR MEANINGS ARE DESCRIBED BELOW. REFER TO REFERENCE #450 FOR AN IMAGE OF THE SCREEN.

- ITEM-01. THE DATE AND TIME THAT THE DL/I CALL WAS ISSUED.
- ITEM-02. THE DISPLACEMENT FROM THE CALLING PROGRAM'S ENTRY POINT TO THE DL/I CALL ITSELF.
- ITEM-03. THE PSB USED BY THE APPLICATION PROGRAM (UNDER IMS DC, THE PSB AND THE PROGRAM HAVE THE SAME NAME).
- ITEM-04. THE TRANSACTION ID WHICH THIS PROGRAM IS HANDLING.
- ITEM-05. THE CALL FUNCTION.
- ITEM-06. THE ELAPSED TIME TAKEN BY DL/I TO PROCESS THE CALL.
- ITEM-07. THE DATABASE DBD NAME FOR WHICH THE CALL WAS MADE.
- ITEM-08. THE SEGMENT LEVEL REACHED IN SATISFYING THE CALL.
- ITEM-09. THE STATUS CODE RETURNED BY DL/I FOR THE CALL.

MEMBER NAME DLRH0402

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

- ITEM-10. THE PROCESSING OPTIONS ALLOWED FOR THE GIVEN PCB.
- ITEM-11. THE SEGMENT NAME RETURNED TO THE APPLICATION PROGRAM.
- ITEM-12. THE ABBREVIATED SSA'S ISSUED WITH THE DL/I CALL. UP TO EIGHT SSA'S AND ONLY THE FIRST FIFTY BYTES OF EACH SSA WILL BE DISPLAYED. IF MORE IS REQUIRED, REQUEST THE SSA EXTENTION.
- ITEM-13A. THE DLI CALL PARM COUNT PASSED BY THE APPLICATION PROGRAM.
- ITEM-13. THE NUMBER OF DATABASE CALLS ISSUED TO THIS POINT.
- ITEM-13X. A AND B: THE NUMBER OF VSAM GETS AND READS FOR THIS DB CALL.
- ITEM-14. THE LENGTH OF THE SEGMENT RETURNED TO THE APPLICATION PROGRAM.
FOR A PATH CALL, THIS LENGTH IS THE SUM OF ALL RETURNED SEGMENTS.
- ITEM-15. THE ID AREA DISPLAY BEGINS AT THIS OFFSET. ONLY 78 BYTES OF THE ID AREA ARE DISPLAYED PER SCREEN. FOR LONGER ID AREAS, MULTIPLE SCREENS ARE GENERATED. THIS FIELD TELLS THE USER WHERE IN THE ID AREA THE DISPLAY IS BEGINNING.
- ITEM-16. THE CHARACTER DISPLAY OF THE ID AREA.
- ITEM-17. A RULER FOR THE ID AREA.
- ITEM-18. THE HEXADECIMAL DISPLAY OF THE ID AREA.

MEMBER NAME DLRH0450

LISTING OF IDACA HELP PANELS
SELECTION # IS INDEXED TO MEMBER NAME

I D A C A B A S I C S C R E E N
FIGURE 010.

THE BASIC SCREEN LAYOUT FOR DB CALLS IS ILLUSTRATED ON THE NEXT PAGE.

MEMBER NAME DLRH0452

LISTING OF IDACA HELP PANELS
SELECTION # IS INDEXED TO MEMBER NAME
ARKANSAS BLUE CROSS BLUE SHIELD

-TIME CALL ISSUED- DATABASE ADMINISTRATION
.....#1..... IMS DB/DC CALL ANALYSIS VERSION: XXXXXXXX
3 DSPL X'...#2...' FROM EPA FOR PSB ...#3....
CALL-FUNCTION = .#5. FOR TRANSACTION ...#4... RESPONSE TIME: .#6. SECS
-----P C B----- -----S S A-----
DATABASE: ...#7....
SEG LEVEL: .#8. #12
STAT CODE: .#9.
PRUCOPT: .#10.
SEG NAME: ...#11...
#VGETS=...#13A.. #VREADS=...#13B..
PARMCNT=...#13A. DBCALL# .#13.
SEGM LENGTH = ...#14... IDA DISPLAY BEGINS AT OFFSET: ...#15..
-----I O A R E A-----
.....#16
....5...10...15...20...25...30..... #1750...55...60...65...70...75...
.....#18.....
.....#18.....

MEMBER NAME DLRH0500

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

T H F B A S I C I D A C A S C R E E N

DC CALLS

AN IDACA SCREEN SIMILAR TO THE ONE FOR DB CALLS IS USED FOR IMS DC CALLS. CERTAIN AREAS ARE UNUSED OR CONTAIN SLIGHTLY DIFFERENT INFORMATION. INSTEAD OF SSA'S, THE USER WILL FIND A DATABASE CALL SUMMARY ON ONE OF THE LAST DISPLAYS FOR INSERT CALLS TO THE ID PCB. AND THE ID AREA WILL BE REPLACED WITH MESSAGES ABOUT THE SPA, MID, OR MOD. SEE REFERENCE #550 FOR AND EXAMPLE OF THESE SCREENS.

- ITEM-19. THE LOGICAL TERMINAL OR THE DESTINATION ID FOR THIS ID PCB.
- ITEM-20. THE MFS MOD NAME, IF AVAILABLE.
- ITEM-21. THE LENGTH OF THE SPA, MID, OR MOD, AS SPECIFIED BY THE MESSAGE ITSELF.
- ITEM-22. THE TYPE OF DATABASE CALL AND HOW MANY WERE ISSUED BY THIS PROGRAM. APPEARS ONLY ON ONE OF THE LAST SCREENS REPRESENTING AN INSERT TO THE ID PCB.
- ITEM-23. THE OFFSET INTO THE SPA, MID, OR MOD FOR EACH LINE DISPLAYED.
- ITEM-24. THE SPA, MID, OR MOD DISPLAY AREA. THE SPA IS DISPLAYED IN HEX MODE ONLY, THE MID AND MOD IN CHARACTER ONLY.

MEMBER NAME DLRH0550

LISTING OF IDACA HELP PANELS
SELECTION # IS INDEXED TO MEMBER NAME

I D A C A B A S I C S C R E E N
FIGURE 020.

THE BASIC SCREEN LAYOUT FOR DC CALLS IS ILLUSTRATED ON THE NEXT PAGE.

MEMBER NAME DLRH0552

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

ARKANSAS BLUE CROSS BLUE SHIELD

-TIME CALL ISSUED- DATABASE ADMINISTRATION
..... IMS DB/DC CALL ANALYSIS VERSION: XXXXXXXXX
9 DSPL X'.....' FROM EPA FOR PS3

CALL-FUNCTION = FOR TRANSACTION RESPONSE TIME: SECS

-----P C B-----

DATABASE CALL SUMMARY			
LTRM/DST: ...#19...	#22-->	CALL/COUNT	CALL/COUNT
SEG LEVEL:		GU ...	GHNP ...
STAT CODE:		GN ...	ISRT ...
PRCOPT:		GNP ...	OLET ...
MOD NAME: ...#20...		GHU ...	REPL ...
		GHN ...	TOT ...

PARMCNT=.. DBCALL# ...

SEGM LENGTH = IDA DISPLAY BEGINS AT OFFSET:

----- I O A R E A -----

..... #21
..... #21

MEMBER NAME DLRH0555

LISTING OF IDACA HELP PANELS
SELECTION # IS INDEXED TO MEMBER NAME

I D A C A B A S I C S C R E E N
FIGURE 030.

THE BASIC SCREEN LAYOUT FOR DC CALLS IS ILLUSTRATED ON THE NEXT PAGE.

MEMBER NAME DLRH0590

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

ARKANSAS BLUE CROSS BLUE SHIELD

-TIME CALL ISSUED- DATABASE ADMINISTRATION
..... IMS DB/DC CALL ANALYSIS VERSION: XXXXXXXXX
@ DSPL X'.....' FROM EPA FOR PSB
CALL-FUNCTION = FOR TRANSACTION RESPONSE TIME: SECS
OFFSET5...10...15...20...25...30...35...40...45...50...55...60...65...
0
70 <--#23 #24
140 #24
210

MEMBER NAME DLRH0600

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

*** IDACA INSTALLATION PROCEDURES ***

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FOR ITS USE REST WITH THE USER INSTALLATION.

MEMBER NAME DLRH0602

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

*** I D A C A I N S T A L L A T I O N N O T E S ***

*
* TO INSTALL IDACA, FIRST IEBCOPY THE DISTRIBUTION TAPE TO A PDS. *
* THE DISTRIBUTION TAPE WAS CREATED USING STANDARD ISM TAPE LABELS *
* AND DCB=(RECFM=FB,LRECL=80,BLKSIZE=32000). THE PDS WILL BE *
* REFERED TO, IN THIS DOCUMENT, AS THE DISTRIBUTION LIBRARY OR *
* "DLI8". *
*
*
* TO PRINT THIS LISTING, USE THE DLI8 MEMBER 'INSTALLP'. *
*
*

MEMBER NAME DLRH0604

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

- I. IMS REQUIREMENTS
 - A. AN APPLICATION TRANSACTION, 'CLOSE', AND ITS NON-CONVERSATIONAL PROGRAM, DLRCLOSE, MUST BE ADDED TO IMS STAGE1.
 - B. THE ASSEMBLER PROGRAM, DLRCLOSE, MUST BE ASSEMBLED AND LINKED INTO THE USER'S APPROPRIATE IMS APPLICATION PROGRAM LIBRARY. THE SOURCE IS IN THE DISTRIBUTION LIBRARY MEMBER 'DLRCLOSE'.
 - C. THE PSB FOR THE PROGRAM 'DLRCLOSE' IS LOCATED IN THE DLIB MEMBER 'DLRCLPSB'. THE PSB AND ACB GENS MUST BE PERFORMED FOR IT.
 - D. THE MFS SCREEN IN THE DLIB MEMBER 'DLRDOCA' MUST BE ASSEMBLED INTO THE USER'S PRODUCTION MFS LIBRARY. NOTE: THE USER WILL WANT TO CHANGE THE HEADING FOR THE IDACA SCREENS IN THIS MEMBER PRIOR TO ASSEMBLY. ALSO, THE DEVICE FEATURE NUMBER ASSIGNED ON ONE 'DEV' STATEMENT IS '1' (FEAT=1); THIS SHOULD BE THE FEATURE NUMBER AS ASSIGNED AT IMS SYSTEM DEFINITION

MEMBER NAME DLRH0606

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

FOR COLOR STATIONS (3179'S). IF THIS FEATURE NUMBER IS DIFFERENT AT YOUR INSTALLATION, THIS NUMBER SHOULD BE CHANGED IN THE MFS SOURCE MEMBER TO REFLECT THE APPROPRIATE NUMBER AT YOUR INSTALLATION. IF YOUR INSTALLATION DOES NOT WISH TO TAKE ADVANTAGE OF 7-COLOR DISPLAYS, SIMPLY REMOVE THE DEV AND ALL DEFD'S FOR THE FEAT=1 DEVICE STATEMENT. THE 3179 WILL CONTINUE TO BE SUPPORTED UNDER THE REMAINING 3270 DEV STATEMENT, BUT ONLY THE FOUR DEFAULT COLORS WILL BE USED.

II. IDACA ASSEMBLY

- A. MAKE CHANGES TO INSTALLATION DEPENDENT ITEMS IN THE DLIB MEMBERS DLRTD1 AND DLRCP001. SEARCH ON '*INDEP*' FOR ALL SUCH DEPENDENCIES. CURRENT DEPENDENCIES ARE: SVC NUMBER TO USE FOR ENTERING SUPERVISORY STATE; LOGICAL TERMINAL ID FOR THE PRINTER; NUMBER OF IDACA SCREENS (PAGES) THAT MAY BE BUILT; THE NUMBER OF DATABASE CALLS ALLOWED BEFORE THE USER IS WARNED; THE DATASET NAME FOR THE DYNAM-

MEMBER NAME DLRH0608

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

ICALLY ALLOCATED PS DATASET; AND THE ALTERNATE LTERMS THAT
MAY BE USED WITH IDACA.

SPECIAL NOTE REGARDING ALTERNATE LTERMS:

IF YOUR INSTALLATION USES THE TPX MULTI-SESSION MANAGER, OR
AN EQUIVALENT PRODUCT, THE FIRST LTERM ID SPECIFIED MAY BE
USED TO CONTROL IDACA'S USE OF THAT MULTI-SESSION MANAGER.
TO ALLOW IDACA'S MESSAGES TO BE ROUTED TO A VIRTUAL TERMINAL
OTHER THAN THE ONE ORIGINATING THE TRANSACTION, CODE A X'01'
IN THE FIRST BYTE OF THE FIRST LTERM CONSTANT (WSALT01) IN
THE MEMBER DLRCP001. THE NEXT TWO CHARACTERS SHOULD BE
THE TWO ALLOWED ALTERNATE FIRST CHARACTERS OF THE MULTI-
SESSION MANAGER'S VIRTUAL TERMINAL IDS.

FOR EXAMPLE: WSALT01 DC X'01'
DC C'V'
DC C'C'
DS CLS

WILL ALLOW IDACA TO ROUTE ITS MESSAGES TO TERMINAL

MEMBER NAME DLRH0610

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

'V-----' WHEN THE TRANSACTION ORIGINATED ON TERMINAL
'C-----' OR VISE-VERSA. THIS DOES PRE-SUPPOSE THE
MULTI-SESSION MANAGER'S VIRTUAL TERMINAL NAMING
CONVENTION SIMPLY REPLACES THE LOGICAL TERMINAL'S
NAME WITH ONE OF THE TWO CHARACTERS SPECIFIED ('V' OR
'C' IN THIS EXAMPLE).

- B. MAKE CHANGES TO INSTALLATION DEPENDENT ITEMS IN THE DLIB
MEMBER 'DLR0YNAL'. SEARCH ON '*INDEP*'. THE ONLY CURRENT
DEPENDENCY IS THE UNIT TYPE FOR DYNAMIC ALLOCATION.

- C. MAKE CHANGES TO INSTALLATION DEPENDENT ITEMS IN THE DLIB
MEMBER 'DLRCLOSE'. SEARCH ON '*INDEP*'. THE ONLY CURRENT
DEPENDENCY IS THE DSN FOR DYNAMIC DE-ALLOCATION.

- D. USE THE JOB IN DLIB MEMBER 'DLRALLDC' TO ALLOCATE ALL
IDACA DATASETS PER USER-INSTALLATION STANDARDS.

MEMBER NAME DLRH0612

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

- E. MAKE NECESSARY PROC PARAMETER CHANGES TO THE OLIB MEMBER 'DLRASSEM' AND SUBMIT THE JOB. EXPECT RC=08 ON LINK FOR STEP 'DLRTDLI' WITH LINKAGE EDITOR MESSAGE IEW0241 REFERENCING PLITDLI AND CBLTDLI AND LINKAGE EDITOR MESSAGE IEW0132 REFERENCING DLRACAXL AND DLRACAXM. ALL OTHER STEPS SHOULD ASSEMBLE AND LINK WITH RC=00.

III. USER INSTALLATION REQUIREMENTS

- A. THE CLISTS FOUND IN THE OLIB MEMBERS 'IMSTEST' AND 'PRTIDACA' SHOULD BE PLACED IN THE APPROPRIATE USER CLIST LIBRARY. NOTE: THE USER WILL WANT TO CHANGE THE DATASET NAMES USED IN THESE CLISTS: SEARCH FOR 'IDACA.' IN BOTH CLISTS. AN ISPF PANEL FOR DIALOGUE MANAGER IS ALSO PROVIDED AS THE MEMBER 'DLRCMD' IN THE DISTRIBUTION LIBRARY. THIS MEMBER SHOULD BE PLACED IN THE APPROPRIATE USER LIBRARY FOR DIALOGUE MANAGER PANELS. ACCESS TO THIS PANEL MAY THEN BE PROVIDED VIA SOME USER MENU PANEL.

MEMBER NAME DLRH0614

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

- B. THE PROCS IN THE DLIB MEMBERS 'LNKIDACA' AND 'PRTDLRSI' SHOULD BE PLACED IN THE USER'S SYSTEM PROC LIBRARY. NOTE: APPROPRIATE CHANGES WILL NEED TO BE MADE TO THE PROC'S PARMS TO CONFORM WITH THE USER-INSTALLATION'S STANDARDS.
- C. PUT IDACA CONTROL CARDS IN THE DESIRED USER CONTROL CARD LIBRARY. THESE CARD IMAGES ARE FOUND IN THE DLIB MEMBERS NAMED DCA-----. THE DLIB MEMBER 'COPYCNTL' HAS JCL FOR AN IEBCOPY WITH ALL NECESSARY COPY AND SELECT STATEMENTS FOR MOVING THESE MEMBERS TO ANOTHER LIBRARY.
- D. PUT IDACA ISPF PANELS IN THE DESIRED USER ISPF PANEL LIBRARY. THESE PANELS ARE FOUND IN THE DLIB MEMBERS NAMED DLRH----. THE DLIB MEMBER 'COPYISPF' HAS JCL FOR AN IEBCOPY WITH ALL NECESSARY COPY AND SELECT STATEMENTS FOR MOVING THESE MEMBERS TO ANOTHER LIBRARY. THE ISPF PANELS ARE AN OPTIONAL WAY OF INVOKING IDACA AND NEED NOT BE INSTALLED UNLESS THE USER INTENDS TO INVOKE IDACA THROUGH DIALOGUE MANAGEMENT RATHER THAN DIRECTLY THROUGH THE CLIST.

MEMBER NAME DLRH0616

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

- E. ASSEMBLE AND LINK THE SUPERVISORY STATE SVC (TYPE 3) INTO
SYS1.LPALIB. THE SVC SOURCE IS IN THE DL19 MEMBER
'IGCSVC'. CHANGE THE SVC NUMBER TO THAT CHOSEN BY
YOUR INSTALLATION. THIS SHOULD MATCH THE NUMBER USED
IN THE ASSEMBLY OF THE IDACA MODULE 'DLRTOLI' IN STEP
IIA ABOVE. SVC 233 = IGC0023C, 237 = IGC0023G, AND
241 = IGC0024A, FOR EXAMPLE.

MEMBER NAME DLRH0800

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

D E B U G G I N G P R O G R A M I N T E R R U P T S

IDACA IS USEFUL FOR DEBUGGING TWO TYPES OF PROGRAM INTERRUPTS: DATA EXCEPTIONS (SOC7) AND DECIMAL DIVIDES (SOCB), THE LATER USUALLY CAUSED BY ATTEMPTING TO DIVIDE BY ZERO.

IDACA WILL SEND TO EITHER THE ORIGINATING TERMINAL OR THE SELECTED OUTPUT DEVICE (LOCAL PRINTER OR SEQUENTIAL DATASET) ALL THE INFORMATION NORMALLY PROVIDED FOR ALL IMS DB AND DC CALLS UP TO THE POINT OF AN ABEND. FOR SOC7 AND SOCB ABENDS, IDACA WILL ALSO PROVIDE THE USER WITH A "MINI-DUMP" SCREEN THAT GENERALLY CONTAINS ENOUGH INFORMATION FOR DEBUGGING THE PROBLEM PROGRAM WITHOUT OBTAINING A HARD COPY DUMP. IDACA THEN FORCES A 4090 ABEND THAT RESULTS IN THE CREATION OF A FULL IMS DUMP. IDACA RESTORES THE USER'S GENERAL REGISTERS PRIOR TO ABENDING, BUT THE USER SHOULD BE AWARE THAT THE PSW AND RELATED INFORMATION IN THE IMS DUMP WILL BE IRRELEVANT TO THE ORIGINAL ERROR. IF THE USER FEELS THAT THE FULL DUMP WILL BE NEEDED, HE SHOULD SAVE THE PERTINENT ABEND DATA FROM THE "MINI-DUMP" SCREEN PROVIDED BY IDACA AND USE THAT INFORMATION IN CONJUNCTION WITH THE FULL IMS DUMP.

THE FOLLOWING MINI-DUMP SCREEN FACSIMILIE SHOWS THE INFORMATION THAT IS PROVIDED FOR THE DC7 AND DCB ABENDS.

MEMBER NAME DLRH0850

LISTING OF IDACA HELP PANELS
SELECTION # IS INDEXED TO MEMBER NAME
I D A C A M I N I - D U M P S C R E E N
FIGURE 040.

ARKANSAS BLUE CROSS BLUE SHIELD

CALL ISSUED: DATABASE ADMINISTRATION
..... IMS DB/DC CALL ANALYSIS VERSION: XXXXXXXXX
@ DSPL X'.....' FROM EPA FOR PSB
CALL-FUNCTION = FOR TRANSACTION RESPONSE TIME: SECS

DSPL FROM EPA ----ABEND FOR MODULE:---- DSPL FROM LPA
EPA: LPA:
PSW:
INTERRUPT:
OP CODE:
..... INSTRUCTION:
..... ADDR RECEIVING OPERAND:
..... ADDR SENDING OPERAND:
VALUE RECEIVING OPERAND:
.....
VALUE SENDING OPERAND:

MEMBER NAME DLRH0900

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

H I N T S A N D S P E C I A L N O T E S

IDACA'S SCREENS ARE INSERTED TO AN ALTERNATE EXPRESS IO PCB, AND EACH OF IDACA'S SCREENS ARE SINGLE SEGMENTS OF AN IMS MESSAGE. A COMPLETE MESSAGE, THEN, IS MADE UP OF MANY SEGMENTS--AS MANY SEGMENTS AS THERE ARE IDACA SCREENS. IDACA STARTS A NEW MESSAGE FOR EVERY 'GU' TO THE IO PCB ISSUED BY THE APPLICATION PROGRAM. THIS MEANS THAT THE USER MUST UNDERSTAND HOW IMS HANDLES MULTIPLE-SEGMENT MESSAGES.

WHEN A MESSAGE IS QUEUED TO A TERMINAL, THE USER MAY HAVE TO SIGNAL THAT HE IS READY TO RECEIVE THAT MESSAGE (THIS IS TRUE OF CONVERSATIONAL PROGRAMS USING IDACA). THE ATTENTION KEY THAT PROMPTS IMS TO SEND THE FIRST SEGMENT OF A MESSAGE IS 'PA1'. IDACA USER'S TESTING NON-CONVERSATIONAL PROGRAMS WILL RECEIVE ALL OF IDACA'S SCREENS BETWEEN THE APPLICATION INPUT AND OUTPUT SCREENS AND WILL RECEIVE THEM WITHOUT HAVING TO USE THE 'PA1' ATTENTION KEY. USER'S TESTING CONVERSATIONAL PROGRAMS, ON THE OTHER HAND, WILL FIND THAT THE APPLICATION SCREENS WILL ALL BE SENT PRIOR TO IDACA'S SCREENS AND THAT, AT THE END OF THE CONVERSATION, THE 'PA1' KEY MUST BE USED TO RETRIEVE THE FIRST SEGMENT OF THE FIRST IDACA MESSAGE.

MEMBER NAME DLRHD902

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

WHEN THE USER HAS SEEN ALL OF IDACA'S SCREENS (IMS MESSAGE SEGMENTS) THAT ARE RELATED TO THE FIRST TRANSACTION (I.E., THE FIRST 'GU' TO THE IO PCB), THAT USER MUST SIGNAL IMS THAT HE IS NOW READY TO SEE THE NEXT MESSAGE (WHICH WILL LIKELY BE ANOTHER SERIES OF IDACA PAGES FOR CONVERSATIONAL PROGRAMS OR WILL BE THE APPLICATION OUTPUT SCREEN FOR NON-CONVERSATIONAL PROGRAMS). THE KEY TO OBTAIN THE NEXT MESSAGE FROM IMS IS 'PA2'.

A CONVERSATIONAL TRANSACTION WOULD FOLLOW THIS SEQUENCE: APPLICATION INPUT SCREEN, APPLICATION OUTPUT SCREEN, (PA1) FIRST SEGMENT OR PAGE OF IDACA OUTPUT, ALL OTHER IDACA SEGMENTS FOR THE FIRST 'GU' TO THE IO PCB BASED ON USER'S CHOICE OF PF KEYS, (PA2) FIRST SEGMENT OF NEXT IDACA MESSAGE BASED ON THE SECOND 'GU' TO THE IO PCB--PROBABLY A 'QC' STATUS CODE, (PA2) FIRST SEGMENT OF NEXT MESSAGE FROM IDACA IF THERE IS ONE--AND THERE WOULD BE IF THE USER HAD EXECUTED SEVERAL ITERATIONS OF THE APPLICATION'S CONVERSATION.

UNTIL THE 'PA2' KEY IS HIT, ALL SEGMENTS MAKING UP ANY GIVEN IDACA MESSAGE ARE STILL AVAILABLE FOR PAGING WITH THE DESIRED PF KEY. ONCE THE 'PA2' KEY IS HIT, ALL SEGMENTS FOR THAT MESSAGE ARE DELETED FROM THE IMS QUEUE.

MEMBER NAME DLRH0910

LISTING OF IDACA HELP PANELS
SELECTION # IS INDEXED TO MEMBER NAME

C O N V E R S A T I O N S
A N D S E C O N D D I S P L A Y S T A T I O N S

IF A PROGRAMMER IS TESTING OR DEBUGGING A CONVERSATIONAL PROGRAM, IDACA OUTPUT IS GENERALLY NOT ACCESSIBLE UNTIL THE END OF THE CONVERSATION. THE VERSION V8628501 OF IDACA ALLOWS THE USER TO SPECIFY ANOTHER DESTINATION FOR IDACA OUTPUT. THIS MEANS THAT EVEN FOR CONVERSATIONAL PROGRAMS THE PROGRAMMER CAN SEE THE IDACA SCREENS AT ONE TERMINAL (THE SELECTED ALTERNATE) WHILE TESTING THE APPLICATION AT ANOTHER TERMINAL. THESE SCREENS ARE IMMEDIATELY AVAILABLE AT THE ALTERNATE DESTINATION; THE PROGRAMMER DOES NOT HAVE TO WAIT UNTIL THE END OF THE CONVERSATION TO SEE THE RESULTS OF EACH IMS CALL.

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

LOAD LIBRARIES AND IDACA AT ABCBS

FOR THE ABCBS USERS OF THE TSO CLIST 'IMSTEST', IDACA WILL ACCEPT THESE VALUES FOR THE "LIB" PARAMETER: SYSLIB (THE DEFAULT), LOADLIB, PRODLIB, TESTLIB, AND SPECLIB. THIS PARAMETER SPECIFIES THE LOAD LIBRARY IN WHICH THE MODULE TO BE TESTED RESIDES. THE LIBRARY(IES) USED ARE:

SYSLIB (DEFAULT)	SSLIB.PRODLOAD, SSLIB.EMPLLOAD, SSLIB.TESTLOAD
LOADLIB	SSLIB.EMPLLOAD
PRODLIB	IMSVS.PRODLOAD
TESTLIB	SSLIB.TESTLOAD
SPECLIB	SSLIB.TESTLOADH (SIC)

THE LIBRARY USED FOR THE LOAD MODULE CREATED BY THE IDACA LINK IS SSLIB.TESTLOAD WITH ONLY ONE EXCEPTION. WHEN THE USER SPECIFIES THE 'SPECLIB' VALUE FOR THE 'LIB' PARM, THE NEWLY LINKED IDACA MODULE WILL RESIDE IN 'SSLIB.TESTLOADH.' AT ABCBS, THIS LIBRARY IS USED FOR SPECIAL ASD AND GCP5 DEVELOPMENT ONLY.

MEMBER NAME DLRH0920

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

NUMBER OF VSAM GETS AND READS (INTERPRETATION)

FOR EACH DATABASE CALL, IDACA PROVIDES A COUNT OF THE NUMBER OF VSAM
'GETS' AND 'READS' REQUIRED TO SATISFY THE CALL (IDENTIFIED ON THE SCREEN
AS #VGETS AND #VREADS). A VSAM 'GET' IS ISSUED BY DL/I. IT MAY REQUIRE
REAL IO (THE TRANSFER OF DATA FROM DASD) OR IT MAY BE SATISFIED BY A SEARCH
OF THE BUFFER POOL. IN THE FORMER CASE, A VSAM 'READ' IS INITIATED, AND THE
READ-COUNT GOES UP. THE #VREADS, THEN, IS ACTUAL IO AND SHOULD BE SMALL.

MEMBER NAME DLRH1000

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

U S I N G T H E D I A L O G U E M A N A G E R P A N E L

THE ISPF PANEL FOR INVOKING IDACA IS DIVIDED INTO THREE SECTIONS:

- 1) LOAD-MODULE OR LINKAGE-EDITOR SECTION
- 2) SOURCE-PROGRAM SECTION
- 3) IDACA CONTROL-PARAMETERS SECTION

IN THE FIRST SECTION, YOU MUST PROVIDE INFORMATION ABOUT THE LOAD MODULE THAT IS TO BE TESTED OR MONITORED WITH IDACA'S SERVICES. DETAILS ARE ON THE THE NEXT PAGE.

IN THE SECOND SECTION, THE LANGUAGE IN WHICH THE SOURCE PROGRAM WAS WRITTEN MUST BE SPECIFIED. IF THE LOAD MODULE IS COMPRISED OF SEVERAL SUB-MODULES WRITTEN IN DIFFERENT LANGUAGES, SPECIFY THE LANGUAGE USED FOR THE MODULE WHICH FIRST RECIEVES CONTROL.

IN THE THIRD SECTION, YOU WILL CHOOSE WHICH SERVICES YOU WANT IDACA TO PERFORM. DETAILS ARE PROVIDED ON THE FOLLOWING PAGES.

MEMBER NAME DLRH1002

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

PDS FOR INPUT ==> +(USE THIS FIELD TO INDICATE WHICH PDS CONTAINS THE MEMBER THAT IS TO BE TESTED USING IDACA. THE SELECTION IS MADE FROM THIS LIST:

TO USE THIS LIBRARY:	%SSLIB.TESTLOAD	+ENTER: %SYSLIB
	%SSLIB.EMPLLOAD	LOADLIB
	IMSVS.PRODLOAD	PRODLIB
	SSLIB.TESTLOAD	TESTLIB
	SSLIB.TESTLOADH	SPECLIB

PDS FOR OUTPUT ==> +(KEY THE DATASET NAME FOR THE PDS THAT IS TO CONTAIN THE LOAD-MODULE MEMBER. YOU NEED NOT USE THE SINGLE QUOTE MARK AROUND THE DSN.)

PDS MEMBER NAME FOR INPUT ==> +(IN THIS FIELD, YOU SHOULD PUT THE NAME OF THE MEMBER THAT CONTAINS THE LOAD MODULE TO BE TESTED. THIS MEMBER SHOULD EXIST IN THE LIBRARY SPECIFIED FOR THE INPUT PDS. NOTE THAT THIS MEMBER DOES NOT HAVE TO HAVE THE SAME NAME AS THE LOAD MODULE ITSELF. BUT THIS LOAD MODULE SHOULD HAVE BEEN THROUGH THE FINAL LINK AND SHOULD BE READY FOR EXECUTION.)

MEMBER NAME DLRH1004

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

PDS MEMBER NAME FOR OUTPUT ==> +(THIS FIELD SHOULD CONTAIN THE NAME OF THE MEMBER FOR THE SUBJECT LOAD MODULE AFTER RE-LINKAGE WITH IDACA. IT GENERALLY WILL BE THE NAME OF THE EXECUTABLE LOAD MODULE ITSELF.)

CSECT NAME FOR IDENTIFY STATEMENT ==> +(IF YOU WANT A LINKAGE-EDITOR "IDENTIFY" CONTROL CARD TO BE AUTOMATICALLY GENERATED TO INCLUDE YOUR USER-ID AND THE DATE AND TIME OF LINK, ENTER A CSECT NAME HERE. IN THOSE CASES WHERE THE "DRIVER" IS A PROGRAM ITSELF, THE DRIVER'S NAME WOULD BE APPROPRIATE. THIS FIELD IS OPTIONAL.)

CSECT NAME FOR ORDER STATEMENT ==> +(THIS FIELD IS ONLY USED FOR PROGRAMS WRITTEN IN ASSEMBLER. IT MUST CONTAIN THE NAME OF THE CSECT THAT RECIEVES CONTROL FROM IMS.)

MEMBER NAME DLRH1006

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

SHOW SCRATCH PAD AREA (SPA) ==> . +(ENTER 'Y' OR 'N'; IF YOU WISH TO SEE THE SPA FOR YOUR TRANSACTION, ENTER A 'Y'. THE SPA WILL BE DISPLAYED ACROSS SEVERAL IDACA SCREENS IN BOTH CHARACTER AND HEXADECIMAL REPRESENTATIONS.)

SHOW SPA AFTER EACH CHANGE ==> . +(ENTER 'Y' OR 'N'; TO SEE THE PROGRAM'S WORKING-STORAGE SPA WHENEVER IT HAS BEEN ALTERED BY THE APPLICATION, ENTER A 'Y'.

SHOW MID AND MOD STORAGE ==> . +(ENTER 'Y' OR 'N'; TO SEE THE MESSAGE INPUT AND OUTPUT DESCRIPTORS (MID AND MOD), ENTER A 'Y'. THE MID AND MOD WILL BE DISPLAYED IN CHARACTER MODE ONLY ACROSS ONE OR MORE IDACA SCREENS.

SHOW EXTENDED SSA ==> . +(ENTER 'Y' OR 'N'; THE BASIC IDACA SCREEN WILL DISPLAY UP TO EIGHT (8) OF YOUR APPLICATION CALL'S SSA'S; AND FOR EACH OF THESE, ONLY THE FIRST FIFTY (50) BYTES WILL BE SHOWN; NO HEXADECIMAL DISPLAY IS AVAILABLE FOR THE SSA'S ON THIS BASIC SCREEN. IN ORDER TO SEE ALL OF YOUR SSA'S IN BOTH CHARACTER AND HEX, ENTER 'Y' IN THIS FIELD.)

MEMBER NAME DLRH1008

LISTING OF IDACA HELP PANELS

SELECTION # IS INDEXED TO MEMBER NAME

ROUTE DISPLAYS TO PRINTER ==> . +(ENTER 'Y' OR 'N'; TO ROUTE THE IDACA
SCREENS TO A PRINTER INSTEAD OF HAVING THEM RETURNED TO THE ORIGINATING
TERMINAL, ENTER 'Y' HERE. THE PRINTER USED HAS BEEN PREDETERMINED AT
INSTALLATION TIME. CONTACT YOUR IMS TECHNICAL SUPPORT GROUP FOR DETAILS.)

WRITE DISPLAYS TO PS DATASET ==> . +(ENTER 'Y' OR 'N'; TO HAVE COPIES OF ALL
IDACA SCREEN IMAGES STORED ON A PHYSICAL-SEQUENTIAL DATASET, ENTER 'Y'.
YOU WILL CONTINUE TO RECEIVE IDACA SCREENS AT THE ORIGINATING TERMINAL,
BUT THEY WILL ALSO BE WRITTEN TO A DATASET FOR LATER BROWSING UNDER TSO OR
FOR PRINTING USING A SPECIAL CLIST OR YOU OWN JCL.)

ROUTE DISPLAYS TO ALTERNATE DESTINATION ==> . +(ENTER A 1,2,3,4 OR 5 TO HAVE
IDACA SCREENS SENT TO ANOTHER TERMINAL IN THE IMS VTAM SUBSYSTEM. THESE
PARAMETERS HAVE BEEN ASSOCIATED AT INSTALLATION TIME WITH SPECIFIC ALTER-
NATE LOGICAL TERMINALS. IF YOUR INSTALLATION USES A MULTI-SESSION
MANAGER, SUCH AS TPX, YOU MAY ROUTE IDACA SCREENS TO AN ALTERNATE
TERMINAL UNDER ANOTHER IMS TEST SESSION BY ENTERING A '1' IN THIS FIELD.
CONTACT YOUR IMS TECHNICAL SUPPORT GROUP FOR DETAILS.)