

# **XOMT**

## **Extended Operations Master Terminal**

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### **USER REFERENCE GUIDE**

**Release 3.14**

**AQUISOFT**

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# Preface

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This manual describes the use and installation of XOMT (**Extended Operations Master Terminal**), an interactive facility designed to assist the CA-IDMS/DC-UCF user in the management of system resources.

This manual is organized as follows:

- Section 1 is an introduction to XOMT and gives an overview of its major features.
- Section 2 describes how XOMT is activated by the CA-IDMS/DC-UCF user.
- Sections 3 through 7 provide a detailed description of all XOMT functions. **A thorough understanding of the material in these sections is essential in order to achieve maximum proficiency when using the product.**
- Section 8 describes the installation, generation and operation of XOMT.
- Section 9 gives a list of the XOMT error messages.
- Appendix A provides a description of the XOMT Memory Update facility.
- Appendix B provides a description of the XOMT Discrete Security facility.

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# Section 1 - Introduction

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XOMT is a **resource management** tool developed to increase the productivity and responsiveness of a wide range of CA-IDMS/DC-UCF users, including managers, system architects, analysts, programmers, database administrators, data communication administrators, technical and operations support personnel.

XOMT provides the functions that allow the user to obtain a complete picture of the major resources in the CA-IDMS/DC-UCF environment. It is operated interactively and is screen-driven. XOMT permits users at any level of technical expertise to benefit from its monitoring and update capabilities.

XOMT quickly checks the resource definitions and occurrences based on user-specified selection criteria. Resources allocated by user tasks and system tasks, statistics, vital parameters and control blocks are also monitored with extended capabilities to browse and update memory.

## Major features include:

### ➤ Global Search

XOMT allows the user to monitor, and update, the major CA-IDMS/DC-UCF resources. The following resources can be monitored:

- Areas
- Buffers of the global DMCL
- Database names (DBNAME)
- Program Compile Date
- Destinations
- Files
- Applied PTFs
- Physical lines
- Logical terminals
- CA-IDMS Memory Map
- CA-IDMS Nucleus Map
- Programs
- Programs called (at least once)
- Printers
- Physical terminals
- Runtime Resources
- Printer Reports
- Permanent Run-units
- Subschemas
- Storage pools
- System statistics
- Tasks
- Tasks called (at least once)
- Signed-on users

## Section 1 - Introduction

---

The **Global Search** capabilities allow monitoring of *all* occurrences within a resource type. The scope of a **Global Search** can be refined for each of the above resources by supplying a **Generic Mask** to obtain more selective results (Section 4 explains **Generic Mask** specifications). The **Global Search** feature is a primary function and is supplemented by a more sophisticated **Selection Criteria** capability.

### ➤ **Selection Criteria**

After a **Global Search**, it is possible to query on variable selection criteria giving the user a broad range of displays (Section 5 explains **Selection Criteria** specifications).

For example, XOMT can easily display:

*Buffers, whose names contain the letters IRM, that have a Buffer Hit Ratio greater than 10.*

### ➤ **Resource Utilization**

XOMT can query the utilization of the following runtime resources in the CA-IDMS/DC-UCF environment:

- Memory resources
- DC resources, by logical terminal
- DC resources, by active task
- DB resources, by active task

For example, using the Automatic Screen Refresh capability, the user can, for a given active task, see the resources the task is waiting on and the number of locks in effect while it accesses the database.

### ➤ **Memory Display**

XOMT can display the memory contents (i.e. Control Blocks) of the CA-IDMS/DC-UCF environment.

The user can:

- Request a formatted list of the CA-IDMS/DC-UCF environment
- Request a memory display associated with a given resource
- Perform advanced memory navigation with relative, direct, indirect and indexed addressing
- Scan memory for a given character string

➤ **Update**

XOMT can modify the status of resources and the memory contents of the CA-IDMS/DC-UCF environment. The following options are available:

- Vary New Copy, Enable, Disable, Protect or Unprotect programs
- Vary Online, Offline, Connect or Disconnect physical terminals
- Release, Keep, Hold or Delete reports
- Enable or Disable tasks
- Update memory or Cancel/Restore last memory update
- Cancel Tasks
- All vary Area commands

**Note: Multiple areas, programs, terminals, reports or tasks can be updated simultaneously by single-character commands on pageable screen lists.**

➤ **Discrete Security**

XOMT provides Discrete Security capabilities to maintain controlled access to system resources. "Product" as well as "read only" or "update" authority can be granted for programs, terminals, reports, tasks, memory update or Cancel Task capabilities.

➤ **Online HELP**

XOMT provides the user with full online documentation. Two methods are available to access this information:

- Global HELP
- Selective HELP within each FUNCTION

➤ **Other features**

XOMT offers Vertical and Horizontal Scrolling as required. It also has an Automatic Screen Refresh capability

## Section 1 - Introduction

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when executing in an CA-IDMS/DC environment.

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# **Section 2 - XOMT Activation**

---

XOMT is an interactive screen-driven facility that executes under CA-IDMS/DC-UCF. It is activated by simply specifying the task code assigned to XOMT at installation time on the CA-IDMS/DC-UCF initial screen. The XOMT initial screen is then displayed showing all the FUNCTIONS available. This screen is the starting point for all XOMT activity. A detailed description of the FUNCTIONS and their usage is given in **Section 3**.

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# Section 3 - Detailed Description of Functions

---

This section describes the functions available to XOMT.

**Note: The HC and MI functions are not available to XOMT. These features can be accessed thru CMMT.**

## Section 3 - Detailed Description of Functions

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION:      RESOURCE:      LINE:      1      08/22/94 19:09:51
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10

FUNCTION:

  AR. AREAS          BU. BUFFERS          DB. DBNAMES
  DC. DATE COMPILED  DE. DESTINATIONS    FI. FILES
  IN. INITIAL SCREEN LI. LINES          LT. LTERMINALS
  ME. MEMORY (MAP OF IDMS-DC REGION)  NC. NUCLEUS
  P . PROGRAMS      PC. PROGRAMS CALLED  PR. PRINTERS
  PT. PTERMINALS    RE. RESOURCES (STORAGE + ACTIVE TASKS)
  RP. REPORTS       RU. PERMANENT RUN-UNITS  SC. SUBSCHEMAS
  SP. STORAGE POOL  ST. STATISTICS + SYSTEM PARMS
  T . TASKS         TC. TASKS CALLED    U . USERS

PF1/PF13 ==> XOMT GLOBAL HELP
PF9/PF21 ==> AUTOMATIC REFRESH

ALL RIGHTS RESERVED          COPYRIGHT 1987,88,89
PF7/PF19: BACKWARD  PF8/PF20: FORWARD  PF3/PF15: RETURN  CLEAR/EX:END
```

Figure 3.0.1 XOMT initial screen (main menu)

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION:      RESOURCE:      LINE:      1      08/22/94 19:10:11
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10
Line 4: TITLE line - specific to each Function
Line 5: DETAIL LINES

Line 23:
XT018 FUNCTION CODE REQUIRED
```

Figure 3.0.2 XOMT primary screen format

## Section 3 - Detailed Description of Functions

---

This section describes in detail each of the FUNCTIONS available with XOMT. *Figure 3.0.1* shows the XOMT initial screen (main menu) that is displayed after XOMT has been invoked. For each of the FUNCTIONS shown, there are global features as well as features particular to each FUNCTION.

### Global Features:

After selecting a FUNCTION from the MAIN MENU, a Primary Screen specific to that FUNCTION is displayed. All XOMT Primary Screens follow the format illustrated in *Figure 3.0.2*.

#### Line 1

- Title line

#### Line 2

- **FUNCTION:**  
FUNCTION or Sub-FUNCTION name (e.g. **AR**, **RE**, **R3**, etc.)  
Note: If field is blank the **Global HELP** facility is invoked.
- **RESOURCE:**  
RESOURCE name, with or without **Generic Mask** characters (e.g. up to 8-character program name, up to 16-character area name, etc.)  
Note: If field is blank, **ALL** resources are displayed.
- **LINE:**  
An automatically generated unique sequential number (default: 1) assigned to the first detail line of the current display (e.g. 1,20,23).

#### Line 3

- **MEM:**  
Used for Memory Navigation/Update and also to CANCEL a task (e.g. @2C8, Ctask no, etc).
- **CMD:**  
Used for Memory Update (contains the word **VARY**).
- **TOTAL:**  
A protected field used to display the total number of detail lines available for display.
- **Vnnn**  
Central Version number of the current CV (e.g. V10, V101).

#### Line 4 - FUNCTION header

Contains column headers specific to the current FUNCTION.

#### Lines 5 to 23 - DETAIL lines

NOTE: Line 5 is also used to specify a **Selection Criteria**.

#### Line 24 - MESSAGE or TOTALS line

## Section 3 - Detailed Description of Functions

CMMT/XOMT FUNCTION MATRIX											
FUNCTION	RESOURCE	AVAILABLE FEATURES									
AR	Area name	GM	SC	ME	VS	HS	AR	GH	SH	TO	UP(7)
BU	Buffer name	GM	SC	ME	VS		AR	GH	SH	TO	
DB	Database name	GM	SC	ME	VS		AR	GH	SH		
DC*	Program name							GH	SH		
DE	Destination name	GM	SC	ME	VS		AR	GH	SH		
FI	(Not applicable)										(Refer to SUB-FUNCTION MATRIX)
FX***	PTF number	GM			VS			GH	SH		
HC**	Hard Cancel							GH	SH		UP(6)
IN	Initial Screen							GH	SH		
LI	Line name	GM	SC	ME	VS		AR	GH	SH		
LT	LTE name	GM	SC	ME	VS		AR	GH	SH		
ME	(Not applicable)			ME	VS		AR	GH			
MT**	Multi Tasking Data			ME	VS		AR	GH	SH		
NC	(Not applicable)	GM	SC	ME	VS		AR	GH	SH		
P	Program name	GM	SC	ME	VS	HS	AR	GH	SH	TO	UP(1)
PC	Program name	GM	SC	ME	VS	HS	AR	GH	SH	TO	UP(1)
PR	Printer name	GM	SC	ME	VS		AR	GH	SH		
PT	PTE name	GM	SC	ME	VS		AR	GH	SH	TO	UP(2)
RE	(Not applicable)										(Refer to SUB-FUNCTION MATRIX)
RP	Report name	GM	SC	ME	VS		AR	GH	SH		UP(3)*
RU	(Not applicable)						AR	GH	SH		
SC*	Subschema name	GM		ME	VS		AR				
SP	(Not applicable)			ME	VS		AR	GH	SH		
ST	(Not applicable)										(Refer to SUB-FUNCTION MATRIX)
T	Task name	GM	SC	ME	VS	HS	AR	GH	SH	TO	UP(4)
TC	Task name	GM	SC	ME	VS	HS	AR	GH	SH	TO	UP(4)
U	User name	GM	SC	ME	VS		AR	GH	SH		
SUB-FUNCTION MATRIX											
F1	DDNAME	GM	SC	ME	VS		AR	GH	SH		
F2	DDNAME	GM	SC	ME	VS		AR	GH	SH		
R1	(Not applicable)		SC	ME	VS		AR	GH	SH	TO	
R2	LTE name	GM	SC	ME	VS		AR	GH	SH	TO	
R3	Task name	GM		ME	VS	HS	AR	GH	SH		UP(5)
R4	(Not applicable)			ME	VS		AR	GH	SH		UP(5)
S1	(Not applicable)						AR	GH	SH		
S2	(Not applicable)						AR	GH	SH		

\* These FUNCTIONS are not available to CMMT.  
 \*\* These FUNCTIONS are not available to XOMT.  
 \*\*\* This FUNCTION does not apply to CA-IDMS R12.0 and later.

**FEATURE DESCRIPTIONS**

GM: Generic Mask	AR: Automatic Screen Refresh
SC: Selection Criteria	GH: Global Help
ME: Memory Display	SH: Selective Help
VS: Vertical Scrolling	TO: Totals
HS: Horizontal Scrolling	UP: Attribute Updates

(1) Vary New Copy (N), Enable (E), Disable (D), Protect (P), Unprotect (U)  
 (2) Vary Online (O), Offline (F), Connect (N), Disconnect (D)  
 (3) Release (R), Keep (K), Hold (H), Delete (D)  
 (4) Enable (E), Disable (D)  
 (5) Cancel Task (MEM: Cxxxxxx)  
 (6) Hard Cancel  
 (7) Vary Area Online (N), Offline (F), Retrieval (R), Quiesce (Q), Active (A), Purge (P), Open (O), Open Update (U)

**Section 3 - Detailed Description of Functions**

---

**Figure 3.0.3 XOMT FUNCTION features summary chart**

Generally, only one or two input fields need to be entered to complete the FUNCTION request.

A summary of all the features for each XOMT main menu FUNCTION is provided in *Figure 3.0.3*.

XOMT uses a standard set of PF key definitions:

- PF1/PF13: HELP tutorial
- PF2/PF14: Return to CMMT MAIN MENU
- PF3/PF15: Return (Terminate Automatic Screen Refresh<sup>\*</sup>)
- PF4/PF16: Return to prior address<sup>\*\*</sup>
- PF5/PF17: Following PF4/PF16 or PF6/PF18, next address<sup>\*\*</sup>
- PF6/PF18: Return to first address<sup>\*\*</sup>
- PF7/PF19: Page backward (Vertical Scrolling)
- PF8/PF20: Page forward (Vertical Scrolling)
- PF9/PF21: Automatic Screen Refresh<sup>\*</sup>
- PF19: Reduce Refresh interval by 1 second<sup>\*</sup>
- PF20: Increase Refresh interval by 5 seconds<sup>\*</sup>
- PF10/PF22: Page left (Horizontal Scrolling)
- PF11/PF23: Page right (Horizontal Scrolling)
- CLEAR:Exit from XOMT
- ENTER:Execute the command

<sup>\*</sup> Used in conjunction with Automatic Screen Refresh (refer to **Section 7**)

<sup>\*\*</sup> Used in conjunction with Saved Address Table (refer to **Section 6**)

### Particular Features:

The remainder of this section describes the particular features of each FUNCTION. Each sub-section deals with one FUNCTION, and each has the following common format:

- A description of the FUNCTION
- A table showing the possible selection capabilities
- A list of available features
- A sample Primary Screen display and a HELP screen display with a description of each column
- A sample Secondary Screen display and a HELP screen display with a description of each column (where applicable)

**Note: The Totals and Attribute Updates features apply only to certain FUNCTIONS.**

## Section 3 - Detailed Description of Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: AR   RESOURCE:          LINE:      1      08/22/94 19:11:29
MEM :          CMD :          TOTAL:    249      PF1/PF13 (HELP)    V10
AREA NAME -----          STA  PAGESZ  LO-PAGE  HI-PAGE  PGGRP  TYPE
CATSYS.DDL CAT          UPD    5064 16060001 16060400      0  S
CATSYS.DDL CATX          UPD    5064 16065001 16065100      0  S
CATSYS.DDL CATLOD        UPD    5064 16070001 16073000      0  S
DDDOC.DDL DML          RET   11476   35001    47000      0  S
DICTES.DDL DML          RET   10796  2040001  2085000      0  S
DICTTEST.DDL DML        UPD   11476   200001   236000      0  S
DLODTEST.DDL DCLOD      UPD    7476    9001    9900      0  S
DMLO.USD-DATA-AREA      UPD    3476   75000    76499      0  S
GEICRPT.GEII R01-REQPRO RET   15476  2401001  2401125      0  S
GEICRPT.GEII R03-PROCON RET   15476  2403001  2403125      0  S
GGGTEST.GGGI R02-DECIS  UPD    4276  1402001  1402020      0  S
GGGTEST.GGGI R03-CLEPER UPD    4276  1403001  1403060      0  S
GGGTEST.GGGI R04-DEMPER UPD   15476  1404001  1404010      0  S
GGGTEST.GGGI R05-HISADR UPD   15476  1405001  1405020      0  S
GGGTEST.GGGI R06-INDX   UPD   15476  1406001  1406002      0  S
GGGTEST.GGGI R07-CLEVEH UPD   15476  1407001  1407240      0  S
GGGTEST.GGGI R08-CLEPLA UPD    4276  1408001  1408040      0  S
GGGTEST.GGGI R09-PERATT UPD   15476  1409001  1409010      0  S
GGGTEST.GGGI R10-ANCNOM UPD   15476  1410001  1410010      0  S

```

Figure 3.1.1

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: AR   RESOURCE:          LINE:      1      08/22/94 19:13:11
MEM :          CMD :          TOTAL:    361      PF1/PF13 (HELP)    V10
AREA NAME -----          STA  PAGESZ  LO-PAGE  HI-PAGE  PGGRP  TYPE

FIELD MEANING          OTHER FUNCTIONS:
AREA NAME: AREA NAME          SEL. CRIT. = TOTALS
STA      : AREA STATUS      (UPD,RET,OFL,UPDQ,...)  PF 7/19  BACKWARD
PAGESZ   : PAGE SIZE          PF 8/20  FORWARD
LO-PAGE  : LOW PAGE,          HI-PAGE  : HIGH PAGE      PF10/22  LEFT
PGGRP    : PAGE GROUP IDENTIFIER FOR AREA      PF11/23  RIGHT
TYPE     : AREA TYPE --> S = NATIVE IDMS        PF 9/21  REFRESH ON
                                   K = NATIVE VSAM KSDS      PF 3/15  REFRESHOFF
                                   E = NATIVE VSAM ESDS        PF19 -1 SEC
                                   R = NATIVE VSAM RRDS        PF20 +5 SECS
                                   X = IDMS EXTENT

=====> TO VIEW PR60 (#DPRDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
N: VARY AREA ONLINE      Q: VARY AREA QUIESCE    O: VARY AREA FILE OPEN
F: VARY AREA OFFLINE    A: VARY AREA ACTIVE      U: VARY AREA FILE OPEN UPDATE
R: VARY AREA RETRIEVAL  P: VARY AREA PURGE

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.1.2

### 3.1 AR Function - Area List

FUNCTION **AR** displays statistics on any area defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one area	area name	ENTER
all areas	<i>blank</i>	ENTER
Generic areas	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical/Horizontal Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)
- Attribute Updates (refer to Section 7)

*Figure 3.1.1* shows the Primary Screen of FUNCTION AR. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.1.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e PR60, #DPRDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired area.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: AR  RESOURCE:      LINE:      1      08/22/94 19:12:23
MEM :      CMD :      TOTAL:      249      PF1/PF13 (HELP)      V10
AREA NAME-----      BUFFER      READ      WRIT      BUFFER      RATIO
CATSYS.DDL CAT      BUGENERAL      118      1      155      2.31
CATSYS.DDL CATX      BUGENERAL      3      1      2      1.66
CATSYS.DDL CATLOD      BUGENERAL      3      1      0      1.00
DDDOC.DDL DML      BUGENERAL-02      0      0      0      0.00
DICTES.DDL DML      BUDICTDB      0      0      0      0.00
DICTTEST.DDL DML      BUDICTDB      33561      3236      273926      9.16
DLODTEST.DDL DCLOD      BUGENERAL      2      1      1      1.50
DMLO.USD-DATA-AREA      BUGENERAL      263      130      2056      8.81
GEICRPT.GEII R01-REQPRO      BUGENERAL-02      0      0      0      0.00
GEICRPT.GEII R03-PROCON      BUGENERAL-02      0      0      0      0.00
GGGTEST.GGGIR02-DECIS      BUGENERAL      2      2      4      3.00
GGGTEST.GGGIR03-CLEPER      BUGENERAL      18      13      58      4.22
GGGTEST.GGGIR04-DEMPER      BUGENERAL-02      1      1      0      1.00
GGGTEST.GGGIR05-HISADR      BUGENERAL-02      16      3      11      1.68
GGGTEST.GGGIR06-INDX      BUGENERAL-02      1      1      0      1.00
GGGTEST.GGGIR07-CLEVEH      BUGENERAL-02      147      55      1195      9.12
GGGTEST.GGGIR08-CLEPLA      BUGENERAL      82      12      131      2.59
GGGTEST.GGGIR09-PERATT      BUGENERAL-02      117      1      217      2.85
GGGTEST.GGGIR10-ANCNOM      BUGENERAL-02      3      1      1      1.33

```

Figure 3.1.3

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: AR  RESOURCE:      LINE:      1      08/23/94 19:17:05
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)      V10
AREA NAME-----      BUFFER      READ      WRIT      BUFFER      RATIO

FIELD MEANING
AREA NAME: AREA NAME
BUFFER : AREA'S BUFFER NAME
READ : NUMBER OF PHYSICAL READS (1)
WRIT : NUMBER OF PHYSICAL WRITES (2)
BUFFER : NUMBER OF BUFFER READS (3)
RATIO : BUFFER HIT RATIO (1)+(3)/(1)

OTHER FUNCTIONS:
SEL. CRIT. = TOTALS
PF 7/19 BACKWARD
PF 8/20 FORWARD
PF10/22 LEFT
PF11/23 RIGHT
PF 9/21 REFRESH ON
PF 3/15 REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

=====> TO VIEW PR60 (#DPRDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
N: VARY AREA ONLINE Q: VARY AREA QUIESCE O: VARY AREA FILE OPEN
F: VARY AREA OFFLINE A: VARY AREA ACTIVE U: VARY AREA FILE OPEN UPDATE
R: VARY AREA RETRIEVAL P: VARY AREA PURGE

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.1.4

All DCMT VARY AREA commands are available from this screen:

<u>VARY Command</u>	<u>XOMT Line Command</u>	
DCMT VARY AREA area-name ONLINE	N	
DCMT VARY AREA area-name OFFLINE		F
DCMT VARY AREA area-name RETRIEVAL		R
DCMT VARY AREA area-name QUIESCE		Q
DCMT VARY AREA area-name ACTIVE	A	
DCMT VARY AREA area-name PURGE	P	
DCMT VARY AREA area-name OPEN		O
DCMT VARY AREA area-name OPEN UPDATE		U

**IMPORTANT NOTE:** The previous commands are available only to XOMT. Multiple areas can be updated simultaneously by using the appropriate single-character commands on pageable screen lists.

There is a Secondary Screen available for FUNCTION AR, obtained by pressing PF11/PF23. *Figure 3.1.3* shows the Secondary Screen of FUNCTION AR. A description of the fields appearing on the Secondary Screen is provided on the HELP screen shown in *Figure 3.1.4*.

Statistics will be shown for the same group of areas presented on the Primary Screen.

### Warning

The user should be careful while manipulating CA-IDMS system areas. Causing those areas to become inaccessible can provoke a stalled CV.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: AR   RESOURCE:          LINE:      1      08/22/94 19:16:48
MEM :          CMD :              TOTAL:     8      PF1/PF13 (HELP)  V10
AREA NAME-----  BUFFER          READ      WRIT  BUFFER  RATIO
C SYS
SYSLOD.DDLDCLOD   BUGENERAL          8         4     44     6.50
SYSMSG.DDLDCMSG   BUGENERAL        1023        0    8159     8.97
SYSTEM.DDLDCRUN   BUGENERAL        2576       1049  37860    15.69
SYSTEM.DDLDCLOG   BUGENERAL          0         0     0     0.00
SYSTEM.DDLDCSCR   BUGENERAL          1         1     0     1.00
SYSTEM.DDLDMML    BUDICTDB         3875        52   25319     7.53
SYSTEM.DDLOCSCR   BUGENERAL          1         1     0     1.00
SYSUSER.DDLSEC    BUGENERAL        125         0     290     3.32

TOTAL:          READ:    7609  WRIT:    1107  BUFFER:  71672  RATIO:  10.41
```

Figure 3.1.5

Totals are displayed only if a **Selection Criteria** has been specified.

The following additional statistics are displayed on the last line of the Secondary Screen:

- Total number of physical reads
- Total number of physical writes
- Total number of buffer reads
- Average buffer hit ratio (for all buffers)

A Totals display is illustrated in *Figure 3.1.5*.

### Section 3 - Detailed Description of Functions

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: BU  RESOURCE:      LINE:      1      08/22/94 19:17:22
MEM :      CMD :      TOTAL:      5      PF1/PF13 (HELP)  V10
--BUFFER NAME--      NB  CU  SIZE  TOTAL WAITS  READ  WRIT  BUF  RATIO
BUFCCDB      5  0  7548  0  0  0  0  0  0.00
BUGENERAL-02  10 10 15476 154760  0  3057 1319 12921 5.22
BUDICTDB      40 40 11476 459040  0  37436 3288 299245 8.99
BUGENERAL      40 40  9076 363040  0  35826 1606 297361 9.30
BUJOURNAL      3  0  3476  0  0
```

Figure 3.2.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: BU  RESOURCE:      LINE:      1      08/23/94 19:17:33
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)  V10
--BUFFER NAME--      NB  CU  SIZE  TOTAL WAITS  READ  WRIT  BUF  RATIO

FIELD MEANING
BUFF NAME: BUFFER POOL NAME
NB      : NUMBER OF BUFFERS IN THE POOL
CU      : NUMBER OF BUFFERS CURRENTLY IN USE
SIZE    : BUFFER SIZE
TOTAL   : TOTAL SIZE FOR THIS BUFFER POOL
WAITS   : TIMES WAITED FOR BUFFER
READ    : PHYSICAL READS (1)
WRIT    : PHYSICAL WRITES (2)
BUF     : NUMBER OF BUFFER READS (3)
RATIO   : BUFFER HIT RATIO (1)+(3)/(1)

OTHER FUNCTIONS:
SEL. CRIT. = TOTALS
PF 7/19  BACKWARD
PF 8/20  FORWARD
PF 9/21  REFRESH ON
PF 3/15  REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

=====> TO VIEW BC53 (#BCRDS) TYPE 'S' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 3.2.2

## 3.2 BU Function - Buffer List

FUNCTION BU displays statistics on any buffer defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one buffer	buffer name	ENTER
all buffers	<i>blank</i>	ENTER
Generic buffers	Generic Mask (refer to Section 4)	

### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)

*Figure 3.2.1* shows the Primary Screen of FUNCTION BU. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.2.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. BC53, #BCRDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired buffer.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: BU  RESOURCE:      LINE:      1      08/22/94 19:17:55
MEM :      CMD :      TOTAL:      5      PF1/PF13 (HELP)  V10
--BUFFER NAME--      NB      CU      SIZE      TOTAL WAITS      READ      WRIT      BUF      RATIO
C
BUFCCDB      5      0      7548      0      0      0      0      0      0.00
BUGENERAL-02      10     10     15476     154760     0      3057     1319     12921     5.22
BUDICTDB      40     40     11476     459040     0      37436     3288     299245     8.99
BUGENERAL      40     40     9076     363040     0      35826     1606     297364     9.30
BUJOURNAL      3      0     3476      0      0

```

TOTAL: NB: 98 TOT: 976840 RD: 76319 WT: 6213 BU: 609530 RAT: 8.98

Figure 3.2.3

Totals are displayed only if a **Selection Criteria** has been specified.

The following additional statistics are displayed on the last line:

- Total number of pages in buffer
- Total memory space used by all buffers (in bytes)
- Total number of physical reads
- Total number of physical writes
- Total number of buffer reads
- Average buffer hit ratio

A Totals display is illustrated in *Figure 3.2.3*.

<p><b>IMPORTANT NOTE:</b> Data on this screen is valid only if PTF 85-11-1067 (Release 10.0) has been applied.</p>
--

## Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: DB  RESOURCE:                LINE:      1      08/22/94 20:10:25
MEM :          CMD :                    TOTAL:    49      PF1/PF13 (HELP)  V10
  DBNAME  MATCH SEGMENT  SUBSCHEMA  MAPS TO  DBNAME
  *DEFAULT OPT
                                IDMSNWK?  IDMSNWK?  DICTTEST
                                IDMSCAT?  IDMSCAT?  DICTTEST
                                USDSUB00  USDSUB00  DMLO
                                GLOIV5??  GLOIV5??  GLOTEST
                                GLOIV99?  GLOIV99?  GLOTEST
                                GEIIV???  GEIIV???  GEICRPT
                                MROIIV??? MROIIV??? MROTEST
                                DDDSNWK?  IDMSNWK?  DDDOC
                                APPLNWK?  IDMSNWK?  DICTTEST
                                ???IV???  ???IV???  GGGTEST
  DDDOC    OPT  CATSYS
            DDDOC
            LOADTEST
            SYSMMSG
  DICTES   OPT  CATSYS
            DICTES
            DLODTEST
            SYSMMSG
  DICTTEST OPT  CATSYS

```

Figure 3.3.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: DB  RESOURCE:                LINE:      1      08/23/94 19:39:21
MEM :          CMD :                    TOTAL:    0      PF1/PF13 (HELP)  V10
  DBNAME  MATCH SEGMENT  SUBSCHEMA  MAPS TO  DBNAME

FIELD MEANING                                OTHER FUNCTIONS:
  DBNAME  : DBNAME                            SELECTION CRITERIA
  MATCH   : MATCH ON SUBSCHEMA ARE OPTIONAL OR REQUIRED PF 7/19  BACKWARD
  SEGMENT : SEGMENT ASSOCIATED WITH DBNAME          PF 8/20  FORWARD
  SUBSCHEMA: SUBSCHEMA NAME 1 FOR MAPPING           PF 9/21  REFRESH ON
  MAPS TO : SUBSCHEMA NAME 2 FOR MAPPING           PF 3/15  REFRESHOFF
  DBNAME  : MAPPED TO                             PF19 -1 SEC
                                                    PF20 +5 SECS

=====> TO VIEW DB38 (#DBTBDS) TYPE 'S' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.3.2

### 3.3 DB Function - DBname List

FUNCTION **DB** displays details on any DBNAME defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one dbname	DBNAME	ENTER
all dbnames	<i>blank</i>	ENTER
Generic dbnames	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.3.1* shows the Primary Screen of FUNCTION DB. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.3.2*.

A screen displaying the memory contents of the CA-IDMS contrl block (i.e. DB38, #DBTBDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired dbname.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: DC    RESOURCE: IRMP0000          LINE:      1      08/22/94 19:18:31
MEM :          CMD :                       TOTAL:     1      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# LANGUAGE  DATE-COMPILED
IRMP0000 CDMSLIB   ASM      06/14/94
```

Figure 3.4.1

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: DC    RESOURCE:                   LINE:      1      09/20/94 08:08:14
MEM :          CMD :                       TOTAL:     0      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# LANGUAGE  DATE-COMPILED

FIELD MEANING
PROGRAM      : PROGRAM NAME
DDNAM/V#    : PROGRAM VERSION
LANGUAGE    : PROGRAM LANGUAGE
DATE-COMPILED : DATE COMPILED

NOTE: REQUEST ONLY ONE PROGRAM AT A TIME
```

```
XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 3.4.2

### 3.4 DC Function - Program Compile Date

FUNCTION DC displays the compilation date of an executable module when this date is part of the object code. The executable module must be defined in a PDE (Program Definition Element) and be one of the following:

- Map
- CA-ADS/ONLINE dialog
- Subschema
- COBOL application program
- CA-IDMS program
- ASSEMBLER(BAL) application program

SELECTION CAPABILITIES	RESOURCE	KEY
one module	module name	ENTER

**Please note that this FUNCTION displays information for only one module at a time. The module is automatically loaded into memory if not already present.**

**This FUNCTION is not available to CMMT.**

#### AVAILABLE FEATURES:

- Global/Selective HELP (refer to Section 7)

*Figure 3.4.1* shows the Primary Screen of FUNCTION DC. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.4.2*.

### Section 3 - Detailed Description of Functions

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: DE  RESOURCE:                LINE:      1      08/22/94 19:19:24
MEM :        CMD :                    TOTAL:    58      PF1/PF13 (HELP)  V10
  DESTINATION TYPE  STAT  #MBR  REPQUEUE
  ALLUSERS      USER  INSRV   8      NO
  TRANS620      USER  INSRV   8      NO
  SAA            USER  INSRV   2      NO
  USAGERS       USER  INSRV  410    NO
  Z03A5012      PRINT INSRV   1      NO
  XDEST001      PRINT INSRV   1      NO
  Z0300115      PRINT INSRV   1      NO
  Z03A551A      PRINT INSRV   1      NO
  Z0466221      PRINT INSRV   1      NO
  Z03A5519      PRINT INSRV   1      NO
  Z034510D      PRINT INSRV   1      NO
  Z0300170      PRINT INSRV   1      NO
  XDEST008      PRINT INSRV   1      NO
  XDEST009      PRINT INSRV   1      NO
  XDEST010      PRINT INSRV   1      NO
  XDEST011      PRINT INSRV   1      NO
  XDEST012      PRINT INSRV   1      NO
  XDEST013      PRINT INSRV   1      NO
  XDEST014      PRINT INSRV   1      NO
```

Figure 3.5.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: DE  RESOURCE:                LINE:      1      08/23/94 19:26:46
MEM :        CMD :                    TOTAL:     0      PF1/PF13 (HELP)  V10
  DESTINATION TYPE  STAT  #MBR  REPQUEUE

FIELD MEANING
  DEST      : DESTINATION IDENTIFICATION
  TYPE      : DEST TYPE      (USER,PRINTER...)
  STAT      : STATUS (IN-SERVICE OR OUT-OF-SERVICE)
  #MBR      : NUMBER OF MEMBERS IN THE DESTINATION
  REPQUEUE  : REPORT QUEUED FOR THIS DEST. (YES/NO)

OTHER FUNCTIONS:
SELECTION CRITERIA
PF 7/19  BACKWARD
PF 8/20  FORWARD
PF 9/21  REFRESH ON
PF 3/15  REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

=====> TO VIEW DDE (#DDEDS) TYPE 'S' IN FIRST COLUMN
```

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

Figure 3.5.2

### **3.5 DE Function - Destination List**

FUNCTION **DE** displays details on any destination defined in the CA-IDMS environment.

<b>SELECTION CAPABILITIES</b>	<b>RESOURCE</b>	<b>KEY</b>
<b>one destination</b>	<b>destination name</b>	<b>ENTER</b>
<b>all destinations</b>	<i>blank</i>	<b>ENTER</b>
<b>Generic destinations</b>	<b>Generic Mask (refer to Section 4)</b>	

#### **AVAILABLE FEATURES:**

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.5.1* shows the Primary Screen of FUNCTION DE. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.5.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. DDE, #DDEDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired destination.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: FI  RESOURCE:          LINE:      1      08/22/94 19:20:06
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10
  OPTION "FI" (FILES)

      FUNCTION

          F1. GENERAL  INFORMATION

          F2. DATABASE INFORMATION

*****
***  DUPLICATED EXCP ENTRIES ARE CONSOLIDATED.          ***
***  THAT IS, IF THE DDNAME, DEVICE CLASS, UNIT TYPE, ***
***  CHANNEL ADDRESS, AND UNIT ADDRESS ARE THE SAME ***
***  FOR ENTRIES, THE EXCP COUNT IS ACCUMULATED IN ***
***  ONE ENTRY.          ***
*****
```

Figure 3.6.1

### **3.6 FI Function - File List**

FUNCTION **FI** displays details on any file defined in the CA-IDMS environment.

**FI** has two sub-FUNCTIONS (**F1** and **F2**) and these are shown in *Figure 3.6.1*. To get the Secondary Screen display related to the sub-FUNCTIONS, **F1** and **F2** must be entered in the FUNCTION field.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: F1  RESOURCE:          LINE:      1      08/22/94 19:20:26
MEM :          CMD :          TOTAL:    135      PF1/PF13 (HELP)  V10
  DDNAME      DSNAME          VOLUME      I/O
  STEPLIB     IDMS.TEST.EXPLLIB  ALOG05      0
              IDMS.DEV1.EXPLLIB  ALOG08      0
              IDMS.SGBD.EXPLLIB  ALOG13      0
              IDMS.TEST.NVERPTF  ALOG05      0
              IDMS.C09312.LOADLIB SHR013      6
              IDMS.TEST.SGBDPTF  ALOG06      0
              IDMS.SGBD.LOADLIB  ALOG12      0
  CDMSLIB     IDMS.TEST.EXPLLIB  ALOG05     2770
              IDMS.DEV1.EXPLLIB  ALOG08     1748
              IDMS.SGBD.EXPLLIB  ALOG13      949
              IDMS.TEST.NVERPTF  ALOG05      0
              IDMS.C09312.LOADLIB SHR013     2062
              IDMS.TEST.SGBDPTF  ALOG06     1344
              IDMS.SGBD.LOADLIB  ALOG12      535
              IDMS.TEST.DMSCLXA  ALOG05      0
              IDMS.TEST.DMSCLIB  ALOG06      0
              IDMS.TEST.CDMSL002 ALOG05      0
              IDMS.TEST.CDMSL003 ALOG06      0
              IDMS.MADRID.PRODLOAD ALOG08      0

```

Figure 3.6.2

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: F1  RESOURCE:          LINE:      1      08/23/94 19:27:20
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10
  DDNAME      DSNAME          VOLUME      I/O

FIELD MEANING                                OTHER FUNCTIONS:
  DDNAME      : FILE'S LOGICAL NAME           SELECTION CRITERIA
  DSNAME      : FILE'S PHYSICAL NAME         PF 7/19  BACKWARD
  VOLUME      : VOLUME                       PF 8/20  FORWARD
  I/O         : NB EXCP

=====> TO VIEW DSNAME (MVS TIOT) TYPE 'S' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.6.3

---

## F1 Sub-function - Central Version files

Sub-FUNCTION **F1** displays file names for all CV (non DB) files as defined in the Startup JCL. Refer to *Figure 3.6.2* for this display and *Figure 3.6.3* for a description of the fields.

SELECTION CAPABILITIES	RESOURCE	KEY
one file	DDNAME	ENTER
all files	<i>blank</i>	ENTER
Generic files	Generic Mask (refer to Section 4)	

### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

A screen displaying the memory contents of a Central Version DSNAME (i.e corresponding to the MVS TIOT entry) can be viewed by typing an "S" in the first position of the line corresponding to the desired DSNAME.

## Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: F2  RESOURCE:      LINE:      1      08/22/94 19:21:03
MEM :      CMD :      TOTAL:      36      PF1/PF13 (HELP)  V10
  DDNAME  DSNAME      I/O AREA
  DCCAT   IDMS.TEST.CATSYS.DCCAT      119 CATSYS.DDLCCAT
  DCCATL  IDMS.TEST.CATSYS.DCCATLOD    4  CATSYS.DDLCCATLOD
  DCCATX  IDMS.TEST.CATSYS.DCCATX      4  CATSYS.DDLCCATX
  DDDD01  P0104.PDIMA.FONC.DDDD01      0  DDDOC.DDLDML
  LBDD21  P0046.DDIMA.ESYS.LBDD21      0  DICTES.DDLDML
  DICTTEST P0046.DDIMA.TEST.DICTTEST    8183 DICTTEST.DDLDML
  DICTTES1 P0046.DDIMA.TEST.DICTTES1    6556 DICTTEST.DDLDML
  DICTTES2 P0046.DDIMA.TEST.DICTTES2    8466 DICTTEST.DDLDML
  DICTTES3 P0046.DDIMA.TEST.DICTTES3    7396 DICTTEST.DDLDML
  DICTTES4 P0046.DDIMA.TEST.DICTTES4    6196 DICTTEST.DDLDML
  DLODTEST P0046.DDIMA.TEST.DLODTEST     3  DLODTEST.DDLDCLOD
  USDFIL1  DBMS.TEST.DMLOPROF          393 DMLO.USD-DATA-AREA
  GEIFB01  P0046.DDBMA.CRPT.GEIFB01     0  GEICRPT.GEIIIR01-REQPRO
          GEICRPT.GEIIIR03-PROCON
  GGGFB01  P0187.DDBMA.TEST.GGGFB01    3051 GGGTEST.GGGIR07-CLEVEH
          GGGTEST.GGGIR04-DEMPER
          GGGTEST.GGGIR05-HISADR
          GGGTEST.GGGIR06-INDX
          GGGTEST.GGGIR09-PERATT

```

Figure 3.6.4

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: F2  RESOURCE:      LINE:      1      08/23/94 19:27:41
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)  V10
  DDNAME  DSNAME      I/O AREA
  FIELD  MEANING
  DDNAME : FILE'S LOGICAL NAME      OTHER FUNCTIONS:
  DSNAME : FILE'S PHYSICAL NAME      SELECTION CRITERIA
  I/O    : NB EXCP                    PF 7/19  BACKWARD
  AREA   : AREA'S NAME                 PF 8/20  FORWARD

=====> TO VIEW DSNAME (MVS TIOT) TYPE 'S' IN FIRST COLUMN

```

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

Figure 3.6.5

## F2 Sub-function - Database Files

Sub-FUNCTION **F2** displays files names for all CV (DB) files as defined in the Startup JCL. Refer to *Figure 3.6.4* for this display and *Figure 3.6.5* for a description of the fields.

SELECTION CAPABILITIES	RESOURCE	KEY
one file	DDNAME	ENTER
all files	<i>blank</i>	ENTER
Generic files	Generic Mask (refer to Section 4)	

### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

A screen displaying the memory contents of a Database DSNAME (i.e corresponding to the MVS TIOT entry) can be viewed by typing an "S" in the first position of the line corresponding to the desired DSNAME.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: FX  RESOURCE:                LINE:    1    08/22/94 19:21:40
MEM :                CMD :                TOTAL:   0    PF1/PF13 (HELP)  V10
    APPLIED PTFS
```

FX NOT AVAILABLE FOR THIS RELEASE

Figure 3.7.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: FX  RESOURCE:                LINE:    1    08/23/94 19:28:44
MEM :                CMD :                TOTAL:   0    PF1/PF13 (HELP)  V10
    THIS FUNCTION DISPLAYS THE APPLIED PTFS FOR THIS ENVIRONMENT
```

```
OTHER FUNCTIONS:
PF 7/19  BACKWARD
PF 8/20  FORWARD
```

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

Figure 3.7.2

### 3.7 FX Function - Applied PTF List

FUNCTION FX displays program temporary fixes (PTF) applied in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one PTF	PTF number	ENTER
all PTFs	<i>blank</i>	ENTER
Generic PTFs	Generic Mask (refer to Section 4)	

**Please note that this FX FUNCTION extracts information from the IDMSPTFS module.  
This FUNCTION does not apply to IDMS R12.0 and later.**

#### AVAILABLE FEATURES:

- Vertical Scrolling (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.7.1* shows the Primary Screen of FUNCTION FX. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.7.2*.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: IN  RESOURCE:                LINE:      1      08/22/94 19:22:26
MEM :          CMD :                   TOTAL:     0      PF1/PF13 (HELP)  V10

FUNCTION:

  AR. AREAS                BU. BUFFERS                DB. DBNAMES
  DC. DATE COMPILED        DE. DESTINATIONS          FI. FILES
  IN. INITIAL SCREEN      LI. LINES                 LT. LTERMINALS
  ME. MEMORY (MAP OF IDMS-DC REGION)  NC. NUCLEUS
  P . PROGRAMS            PC. PROGRAMS CALLED      PR. PRINTERS
  PT. PTERMINALS          RE. RESOURCES (STORAGE + ACTIVE TASKS)
  RP. REPORTS             RU. PERMANENT RUN-UNITS  SC. SUBSCHEMAS
  SP. STORAGE POOL       ST. STATISTICS + SYSTEM PARMS
  T . TASKS              TC. TASKS CALLED        U . USERS

PF1/PF13 ==> XOMT GLOBAL HELP
PF9/PF21 ==> AUTOMATIC REFRESH

ALL RIGHTS RESERVED                COPYRIGHT 1987,88,89
PF7/PF19: BACKWARD  PF8/PF20: FORWARD  PF3/PF15: RETURN  CLEAR/EX:END
```

Figure 3.8.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: IN  RESOURCE:                LINE:      1      08/23/94 19:29:46
MEM :          CMD :                   TOTAL:     0      PF1/PF13 (HELP)  V10

THIS FUNCTION DISPLAYS THE INITIAL SCREEN WITH ALL POSSIBLE FUNCTIONS

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 3.8.2

### **3.8 IN Function - Initial Screen**

FUNCTION IN displays a list of all the FUNCTIONS available with XOMT.

<b>SELECTION CAPABILITIES</b>	<b>RESOURCE</b>	<b>KEY</b>
<b>all FUNCTIONS</b>	<i>blank</i>	<b>ENTER</b>

#### **AVAILABLE FEATURES:**

- Global/Selective HELP (refer to Section 7)

*Figure 3.8.1* shows the Primary Screen of FUNCTION IN. The Selective HELP screen is shown in *Figure 3.8.2*.

### Section 3 - Detailed Description of Functions

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: LI  RESOURCE:                LINE:      1      08/22/94 19:22:45
MEM :        CMD :                    TOTAL:     6      PF1/PF13 (HELP)  V10
  LINE NAME  STATUS NB-PTE LINE-TYPE  COMPACT  RPL RPL-REQ RPL-WAIT
  CONSOLE    INSRV   1   WTO           N
  UCFLINE    INSRV  14   UCF           41.89%
  S3270Q1    CLOSED   1   SIM 3270     N
  VTAM10     INSRV  103  VTAM 3270    32.64%   10   8831   0%
  SYSOUTL1   INSRV   1   SYSOUT       N
  VTAMLU     INSRV  24           N
```

Figure 3.9.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: LI  RESOURCE:                LINE:      1      08/23/94 19:30:42
MEM :        CMD :                    TOTAL:     0      PF1/PF13 (HELP)  V10
  LINE NAME  STATUS NB-PTE LINE-TYPE  COMPACT  RPL RPL-REQ RPL-WAIT

FIELD MEANING
LINE NAME   : LINE NAME
STATUS      : STATUS (IN-SERVICE OR CLOSED)
NB-PTE      : NUMBER OF PHYSICAL TERMINALS ASSOCIATED WITH THE LINE
LINE-TYPE   : LINE TYPE AND/OR ACCESS METHOD
COMPACT     : COMPACT 3270 OUTPUT DATA STREAMS (RATIO/NO)
RPL         : NUMBER OF REQUEST PARAMETER LIST
RPL-REQ     : NUMBER OF RPL REQUESTS
RPL-WAIT    : NUMBER OF WAITS FOR RPL'S

=====> TO VIEW PLE (#PLEDS) TYPE 'S' IN FIRST COLUMN

OTHER FUNCTIONS:
SELECTION CRITERIA
PF 7/19  BACKWARD
PF 8/20  FORWARD
PF 9/21  REFRESH ON
PF 3/15  REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 3.9.2

### 3.9 LI Function - Physical Line List

FUNCTION LI displays details on any physical line defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one line	line name	ENTER
all lines	<i>blank</i>	ENTER
Generic lines	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.9.1* shows the Primary Screen of FUNCTION LI. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.9.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. PLE, #PLEDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired physical line.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: LT  RESOURCE:      LINE:      1      08/22/94 19:23:16
MEM :      CMD :      TOTAL: 144      PF1/PF13 (HELP)  V10
LTERM-ID PTERM-ID PLINE-ID TYPE  STATUS RDB N-TASK  AUTOTASK
A4SVT001 A4SVT001 VTAM10  SCREE INSRV YES          SIGNON
CONSOLE  OPERATOR CONSOLE  SCREE ACTIV YES
LSYSOUT1 PSYSOUT1  SYSOUTL1 PRINT ACTIV YES
LS3270Q1 PS3270Q1  S3270Q1  SCREE INSRV YES DCMT
LTELU001 PTELU001  VTAMLU   SCREE ACTIV NO  GDITACC1
LTELU002 PTELU002  VTAMLU   SCREE ACTIV NO
LTELU003 PTELU003  VTAMLU   SCREE ACTIV NO
LTELU004 PTELU004  VTAMLU   SCREE ACTIV NO
LTELU005 PTELU005  VTAMLU   SCREE ACTIV NO
LTELU006 PTELU006  VTAMLU   SCREE ACTIV NO
LTELU007 PTELU007  VTAMLU   SCREE ACTIV NO
LTELU008 PTELU008  VTAMLU   SCREE ACTIV NO
LTELU009 PTELU009  VTAMLU   SCREE ACTIV NO
LTELU021 PTELU021  VTAMLU   SCREE INSRV NO
LTELU022 PTELU022  VTAMLU   SCREE INSRV NO
LTELU023 PTELU023  VTAMLU   SCREE INSRV NO
LTELU024 PTELU024  VTAMLU   SCREE INSRV NO
LTELU025 PTELU025  VTAMLU   SCREE INSRV NO
LTELU026 PTELU026  VTAMLU   SCREE INSRV NO

```

Figure 3.10.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: LT  RESOURCE:      LINE:      1      08/23/94 19:31:10
MEM :      CMD :      TOTAL: 0      PF1/PF13 (HELP)  V10
LTERM-ID PTERM-ID PLINE-ID TYPE  STATUS RDB N-TASK  AUTOTASK

FIELD MEANING                                OTHER FUNCTIONS:
LTERM-ID : LOGICAL TERMINAL IDENTIFICATION   SELECTION CRITERIA
PTERM-ID : PHYSICAL TERMINAL IDENTIFICATION  PF 7/19  BACKWARD
PLINE-ID : PHYSICAL LINE IDENTIFICATION     PF 8/20  FORWARD
TYPE     : LOGICAL TERMINAL TYPE            PF 9/21  REFRESH ON
STATUS   : LOGICAL TERMINAL STATUS          PF 3/15  REFRESHOFF
RDB      : READ BUFFER SUPPORTED           PF19 -1 SEC
N-TASK   : NEXT TASK CODE TO BE EXECUTED   PF20 +5 SECS
AUTOTASK : AUTO TASK TO BE EXECUTED

=====> TO VIEW LTE  (#LTEDS) TYPE 'S' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.10.2

### 3.10 LT Function - Logical Terminal List

FUNCTION **LT** displays details on any logical terminal defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one terminal	logical terminal name	ENTER
all terminals	<i>blank</i>	ENTER
Generic terminals	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.10.1* shows the Primary Screen of FUNCTION **LT**. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.10.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. LTE, #LTEDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired logical terminal.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: ME      RESOURCE:          LINE:      1      08/22/94 19:23:58
MEM :            CMD :              TOTAL:    49      PF1/PF13 (HELP)  V10
*REGION*      *ADDR*      *SIZE*
RHDCOS00      00006998      53K
IDMSDBIO      00014060      87K
IDMSDBMS      00029FE8      88K
OPT           00040370      3K
CSA           00041050      24K
CCE           000470A0      5K
SCAAREA       000486E0      3K
RUA           00049578      66K
NLT           0005A060      5K
DDT           0005B5C0      1K
LTT           0005BB40      42K
PTT           00066388      67K
TDT           00077380     156K
PDT           0009E740     1745K
TRCEBUFS      00252CC0      12K
TCA           00255EE0      48
DCEAREA       00255F10      2K
TCEAREA       00256950     238K
MPMODTBL      002923E0      1K
```

Figure 3.11.1

### **3.11 ME Function - CA-IDMS Memory Map**

FUNCTION ME provides a memory layout of the CA-IDMS/DC-UCF environment by displaying the address and size of each major component.

<b>SELECTION CAPABILITIES</b>	<b>RESOURCE</b>	<b>KEY</b>
<b>all components</b>	<i>blank</i>	<b>ENTER</b>

#### **AVAILABLE FEATURES:**

- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global HELP (refer to Section 7)

Figure 3.11.1 shows the Primary Screen of FUNCTION ME.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: ME  RESOURCE:          LINE:      1      08/22/94 19:23:58
MEM :          CMD :          TOTAL:     49      PF1/PF13 (HELP)  V10
*REGION*     *ADDR*          *SIZE*
RHDCOS00    00006998         53K
IDMSDBIO    00014060         87K
IDMSDBMS    00029FE8         88K
OPT         00040370          3K
s CSA       00041050         24K
CCE         000470A0          5K
SCAAREA    000486E0          3K
RUA         00049578         66K
NLT         0005A060          5K
DDT         0005B5C0          1K
LTT         0005BB40          42K
PTT         00066388          67K
TDT         00077380         156K
PDT         0009E740        1745K
TRCEBUFS    00252CC0         12K
TCA         00255EE0          48
DCEAREA    00255F10          2K
TCEAREA    00256950         238K
MPMODTBL    002923E0          1K

```

Figure 3.11.2

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: ME  RESOURCE:          LINE:      1      08/22/94 19:24:44
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10
<ADDR>      <OFFSET>          << HEXADECIMAL >>          << DECIMAL >>
00041050    00000000 . 47F0F9EE 00000000 00000000 00000000 * .09.....*
00041060    00000010 . 00000000 00000000 00000000 00000000 * .....*
00041070    00000020 . 00000000 00000000 0BFF2D48 0B200000 * .....*
00041080    00000030 . 00000000 000598C0 47F0A858 07FF0000 * .....0.....*
00041090    00000040 . 96401000 91401000 00000001 00040008 * .....*
000410A0    00000050 . 0B44AE58 0B476058 0B477440 0B4786D0 * .....-.....*
000410B0    00000060 . 0B47877C 0B4784A4 0B4787F4 0B47B5F8 * ...@.....4...8*
000410C0    00000070 . 0B47C650 0B48A858 0B48AA80 0B48BE58 * ..F.....*
000410D0    00000080 . 0B44D44C 00014060 00029FE8 0B44E858 * ..M... -...Y..Y.*
000410E0    00000090 . 0B442458 0B450058 0B452258 0B44C854 * .....H..*
000410F0    000000A0 . 0B4A3E58 0B44D108 0B4A2E58 0B44D850 * .....J.....Q.*
00041100    000000B0 . 0B4A4528 0B48DE58 0B48E284 0B475858 * .....S.....*
00041110    000000C0 . 0B54766C 0B46C058 0000760C 0B469258 * ...%.....*
00041120    000000D0 . 0B4692C4 0B46B058 0B478458 0B47ACE8 * ...D.....Y*
00041130    000000E0 . 0B479080 0B48D5C0 0B463E58 0B464DA4 * .....N.....(. *
00041140    000000F0 . 0B465458 0B467258 0B47FE58 0B46A264 * .....*
00041150    00000100 . 0B4A9058 00000000 0043C458 0B4AFA58 * .....D...0.*
00041160    00000110 . 0B486658 0B488458 0B4AC458 00479CD0 * .....D.....*
00041170    00000120 . 0B4A9A58 0B48E768 0043BE58 00000000 * .....X.....*

```

Figure 3.11.3

A screen displaying the memory contents of a specific CA-IDMS component can be viewed by typing an "S" in the first position of the line corresponding to the desired resource.

*Figure 3.11.2* and *Figure 3.11.3* give examples of the selection and display of the CSA memory block. It is then possible to navigate through memory by using the MEM: field or by using indexed Addressing. These techniques are discussed in detail in **Section 6**.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: NC      RESOURCE:          LINE:      1      08/22/94 20:21:01
MEM :           CMD :          TOTAL:    168      PF1/PF13 (HELP)   V10
  CSECT          COMPILE          LOADED          ENTRY          EPADDR  VECT  TYP
RHDCOS00  93/08/25 15:22  00006998  OS00EP1  0000760C + 30  CSA
IDMSDBIO  93/08/03 11:44  00014008  DBIOEP1  00014060 + 13  CSA
IDMSDBMS  93/09/03 13:58  00029F90  DBMSEP1  00029FE8 + 14  CSA
IDMSHLDB  93/07/23 10:10  0B435000  HLDSEP1  0B435058 + 91  CSA
          HLDSEP2  0B43B3E0 +110  CSA
IDMSEXP   93/06/28 16:34  0B43BA00  EXPEP1   0B43BA58 + 92  CSA
IDMSQSRT  91/10/30 21:14  0B43FC00  QSRTEP1  0B43FC58 + 99  CSA
RHDCCEVAL 91/11/12 21:04  00433000  EVALNTRY 00433058 + 67  CSA
RHDCURTN  91/10/31 15:24  00438600  URTNEP1  00438658 + 63  CSA
RHDCSCRN  93/06/10 08:00  00439200  SCRNEP1  00439258 + 57  NVT
IDMSKEEP  93/08/03 12:46  0B442400  KEEPEP1  0B442458 + 16  CSA
          KEEPEP2  0B4425FC +103  NVT
IDMSLRF   93/06/29 15:00  0B443A00  LRFEP1   0B443A80 + 66  CSA
RHDCCURS  93/08/26 12:13  0B448000  CURSEP1  0B448058 + 65  CSA
          CURSEP2  0B448158 +104  NVT
RHDCWAIT  93/08/25 15:49  0B44AE00  WAITEP1  0B44AE58 + 00  CSA
          WAITEP1R 0B44B988 + 00  NVT
          WAITEP2  0B44C854 + 19  CSA
          WAITEP2I 0B44CB58 + 01  NVT
```

Figure 3.12.1

### **3.12 NC Function - Nucleus Map Information**

FUNCTION NC displays the nucleus information on all system modules found within a specific CA-IDMS environment.

<b>SELECTION CAPABILITIES</b>	<b>RESOURCE</b>	<b>KEY</b>
<b>one system module</b>	<b>system module name</b>	<b>ENTER</b>
<b>all system modules</b>	<i>blank</i>	<b>ENTER</b>
<b>Generic system modules</b>	<b>Generic Mask (refer to Section 4)</b>	

#### **AVAILABLE FEATURES:**

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.12.1* shows the Primary Screen of FUNCTION NC.

A screen displaying the memory contents of the CA-IDMS system module can be viewed by typing an "S" in the first position of the line corresponding to the desired system module name.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: P      RESOURCE:      LINE:      1      08/22/94 19:25:33
MEM :      CMD :      TOTAL: 6352      PF1/PF13 (HELP)      V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
$ACF@GEN CDMSLIB LOADLIB TBL ASM ENA FUL NO NO N 0 0 0
$ACF@TAT CDMSLIB LOADLIB TBL ASM ENA FUL NO NO N 0 0 0
$ACF@TAT CDMSLIB PRIMARY TBL ASM ENA FUL NO YES N 2 82 892
$TOOLTCF CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 702 920
AAAA CDMSLIB LOADLIB DIA ADS ENA FUL NO YES N 0 0 0
ACFA2LON CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 0 0 0
ACFA2SON CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 0 0 0
ACFA2SO1 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 0 0 0
ACFA2SO2 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 0 0 0
ACFBLDIR CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 4 1096
ACFIV01 CDMSLIB LOADLIB SUB ASM ENA FUL NO YES N 0 0 0
ACFIV01 V0003 LOADLIB SUB ASM ENA FUL NO YES N 0 0 0
ACFIV01 V0002 LOADLIB SUB ASM ENA FUL NO YES N 0 0 0
ACFIV01 V0004 LOADLIB SUB ASM ENA FUL NO YES N 0 0 0
ACF2EX02 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 2 2 424
ADAHABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 10 32536
ADAHGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 1 6144
ADAHTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 2 17864
ADAMABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 380 5272

```

Figure 3.13.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: P      RESOURCE:      LINE:      1      08/23/94 19:31:53
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)      V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE

FIELD MEANING
PROGRAM : PROGRAM NAME
DDNAM/V# : PROGRAM VERSION
FROM : PROGRAM LOADED FROM
TYP : PROGRAM TYPE (PRO,SUB,DIA,MAP,UND,NUC,DRV)
LAN : PROGRAM LANGUAGE (COB,ADS,ASM,FOR,PL1)
STA : PROGRAM STATUS (ENA,DIS)
REE : REENTRANT PROGRAM (FUL,QUA,NON)
RES : RESIDENT (Y/N) ,PRO : PROTECT (Y/N)
DY : PROGRAM IS DYNAMICALLY DEFINED (Y/N)
LOAD : TIMES LOADED ,CALL: TIMES CALLED
SIZE : SIZE IN BYTES

OTHER FUNCTIONS:
SEL. CRIT. = TOTALS
PF 7/19 BACKWARD
PF 8/20 FORWARD
PF10/22 LEFT
PF11/23 RIGHT
PF 9/21 REFRESH ON
PF 3/15 REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

=====> TO VIEW PDE (#PDTDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
N: VARY PROGRAM NEW COPY (REFRESH)
E: VARY PROG IN SERVICE (ENABLE) D: VARY PROG OUT OF SERVICE (DISABLE)
P: STORAGE PROTECT 'YES' U: STORAGE UNPROTECT 'NO'

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.13.2

### 3.13 P Function - Program List

FUNCTION **P** displays statistics on all the programs (called or not) defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one program	program name	ENTER
all programs	<i>blank</i>	ENTER
Generic programs	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical/Horizontal Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)
- Attribute Updates (refer to Section 7)

*Figure 3.13.1* shows the Primary Screen of FUNCTION P. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.13.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e PDE, #PDTDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired program.

## Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: P      RESOURCE:      LINE:      1      08/22/94 19:25:59
MEM :      CMD :      TOTAL: 6352      PF1/PF13 (HELP)      V10
PROGRAM DDNAM/V# FROM      TYP LAN STA AB TRH SAV RM AM LXA #CP S
$ACF@GEN CDMSLIB LOADLIB TBL ASM ENA 0 5 N 24 24 NO 0 Y
$ACF@TAT CDMSLIB LOADLIB TBL ASM ENA 0 5 N 24 24 NO 0 Y
$ACF@TAT CDMSLIB PRIMARY TBL ASM ENA 0 5 N AN AN YES 2 Y
$TOOLTCF CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
AAAA CDMSLIB LOADLIB DIA ADS ENA 0 1 N 24 24 NO 0 Y
ACFA2LON CDMSLIB LOADLIB PRO ASM ENA 0 5 Y 24 24 NO 0 Y
ACFA2SON CDMSLIB LOADLIB PRO ASM ENA 0 5 Y 24 24 NO 0 Y
ACFA2SO1 CDMSLIB LOADLIB PRO ASM ENA 0 5 Y 24 24 NO 0 Y
ACFA2SO2 CDMSLIB LOADLIB PRO ASM ENA 0 5 Y 24 24 NO 0 Y
ACFBLDIR CDMSLIB LOADLIB PRO ASM ENA 0 5 Y 24 AN NO 1 Y
ACFIV01 CDMSLIB LOADLIB SUB ASM ENA 0 5 N 24 24 NO 0 Y
ACFIV01 V0003 LOADLIB SUB ASM ENA 0 5 N 24 24 NO 0 Y
ACFIV01 V0002 LOADLIB SUB ASM ENA 0 5 N 24 24 NO 0 Y
ACFIV01 V0004 LOADLIB SUB ASM ENA 0 5 N 24 24 NO 0 Y
ACF2EX02 CDMSLIB LOADLIB PRO ASM ENA 0 5 Y AN 31 YES 2 Y
ADAHABLD CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAHGOP2 CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAHTCOD CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 NO 0 Y
ADAMABLD CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y

```

Figure 3.13.3

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: P      RESOURCE:      LINE:      1      08/23/94 19:32:09
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)      V10
PROGRAM DDNAM/V# FROM      TYP LAN STA AB TRH SAV RM AM LXA #CP S

FIELD MEANING
PROGRAM : PROGRAM NAME
DDNAM/V#: PROGRAM VERSION
FROM : PROGRAM LOADED FROM
TYP : PROGRAM TYPE (PRO,SUB,DIA,MAP,UND,NUC,DRV)
LAN : PROGRAM LANGUAGE (COB,ADS,ASM,FOR,PL1)
STA : PROGRAM STATUS (ENA,DIS)
AB : PGM CHECK (ABEND)
TRH : PGM CHECK THRESHOLD
SAV : SAVEAREA (Y/N) ,RM :RES MODE(24/31/ANY)
AM : ADDR MODE (24/31/ANY)
LXA : LOADED ABOVE 16 MEG LINE (YES/NO)
#CP : # COPIES IN MEMORY
S : PROGRAM CAN BE SHARED BY ALL (Y/N) TYPE 'S' IN FIRST COLUMN
===== TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
N: VARY PROGRAM NEW COPY (REFRESH)
E: VARY PROG IN SERVICE (ENABLE) D: VARY PROG OUT OF SERVICE (DISABLE)
P: STORAGE PROTECT 'YES' U: STORAGE UNPROTECT 'NO'
XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

OTHER FUNCTIONS:
SEL. CRIT. = TOTALS
PF 7/19 BACKWARD
PF 8/20 FORWARD
PF10/22 LEFT
PF11/23 RIGHT
PF 9/21 REFRESH ON
PF 3/15 REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS
===== TO VIEW PDE (#PDTDS)

```

Figure 3.13.4

There is a Secondary Screen available for the FUNCTION **P**, obtained by pressing PF11/PF23. *Figure 3.13.3* shows the Secondary Screen of FUNCTION **P**. A description of the fields appearing on the Secondary Screen is provided on the HELP screen shown in *Figure 3.13.4*.

Some attribute updates to the programs are possible:

- vary new copy (**N**) of program
- enable (**E**) or disable (**D**) program
- turn storage protection on (**P**) or off (**U**)

The bottom of *Figure 3.13.2* and *Figure 3.13.4* displays these update codes.

To update program(s) enter the appropriate code in the first position of the line(s) associated with the program(s) in question and hit ENTER. The screen will be re-displayed to indicate the effect of the change(s).

**Please note that multiple programs can be updated simultaneously by using the appropriate single-character commands on pageable screen lists.**

### Section 3 - Detailed Description of Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: P      RESOURCE:          LINE:      1      08/22/94 19:27:37
MEM :          CMD :          TOTAL:    112      PF1/PF13 (HELP)    V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
C ADS
ADSA      CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO NO  N    1    325 26352
ADSADADD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO YES N    1    10 13936
ADSADCOM  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO YES N    1    64 14376
ADSADDIS  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO YES N    1     6 12896
ADSADMOD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO YES N    1    11 14224
ADSAHCOM  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL NO YES N    1     1 16216
ADSAMADD  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL NO YES N    1     8  2472
ADSAMCOM  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL NO YES N    1    55  2336
ADSAMDIS  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL NO YES N    1     6  2248
ADSAMMEN  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL NO YES N    1   290  2032
ADSAMMOD  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL NO YES N    1     8  2424
ADSC      CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO YES N    1    69 100040
ADSCADDD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO YES N    1    23  36344
ADSCADDM  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL NO YES N    1     6  2888
ADSCADSR  CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL NO YES N    0     0     0
ADSCCMSD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO YES N    1    12 26920
ADSCCMSG  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL NO YES N    1     8  4624
ADSCCOMD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL NO YES N    1    218 84928
TOTAL LOAD:          57 CALL:          4145 LO/C:          1.37% ABND:          0 SIZE: 1297K

```

Figure 3.13.5

Totals are displayed only if a **Selection Criteria** has been specified.

The following additional statistics are displayed on the last line of the Secondary Screen:

- Total number of loaded programs
- Total number of called programs
- Percentage of loaded programs versus called programs
- Total number of program abends
- Total space (in K bytes) occupied by called programs (assuming 1 global load)

A Totals display is illustrated in *Figure 3.13.5*.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PC  RESOURCE:      LINE:      1      08/22/94 19:28:02
MEM :      CMD :      TOTAL:      825      PF1/PF13 (HELP)      V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
$ACF@TAT CDMSLIB PRIMARY TBL ASM ENA FUL NO YES N 2 82 892
$TOOLTFCF CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 702 920
ACFBLDIR CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 4 1096
ACF2EX02 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 2 2 424
ADAHABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 10 32536
ADAHGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 1 6144
ADAHTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 2 17864
ADAMABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 380 5272
ADAMFIND CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 8 4504
ADAMGOP1 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 60 2192
ADAMGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 37 1608
ADAMGREC CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 28 3776
ADAMSUMM CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 4 2824
ADAMTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 98 3728
ADAPABLD CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 234 9560
ADAPAGNM CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 906 108152
ADAPFIND CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 6 2472
ADAPGOP1 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 50 2416
ADAPGOP2 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 26 1864

```

Figure 3.14.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PC  RESOURCE:      LINE:      1      08/23/94 19:32:36
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)      V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE

FIELD MEANING
PROGRAM : PROGRAM NAME
DDNAM/V# : PROGRAM VERSION
FROM : PROGRAM LOADED FROM
TYP : PROGRAM TYPE (PRO,SUB,DIA,MAP,UND,NUC,DRV)
LAN : PROGRAM LANGUAGE (COB,ADS,ASM,FOR,PL1)
STA : PROGRAM STATUS (ENA,DIS)
REE : REENTRANT PROGRAM (FUL,QUA,NON)
RES : RESIDENT (Y/N) ,PRO : PROTECT (Y/N)
DY : PROGRAM IS DYNAMICALLY DEFINED (Y/N)
LOAD : TIMES LOADED ,CALL: TIMES CALLED
SIZE : SIZE IN BYTES

OTHER FUNCTIONS:
SEL. CRIT. = TOTALS
PF 7/19 BACKWARD
PF 8/20 FORWARD
PF10/22 LEFT
PF11/23 RIGHT
PF 9/21 REFRESH ON
PF 3/15 REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

=====> TO VIEW PDE (#PDTDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
N: VARY PROGRAM NEW COPY (REFRESH)
E: VARY PROG IN SERVICE (ENABLE) D: VARY PROG OUT OF SERVICE (DISABLE)
P: STORAGE PROTECT 'YES' U: STORAGE UNPROTECT 'NO'

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.14.2

### 3.14 PC Function - Called Program List

FUNCTION **PC** displays statistics on all the programs that are defined in the CA-IDMS environment and have been called at least once.

SELECTION CAPABILITIES	RESOURCE	KEY
one program	program name	ENTER
all programs	<i>blank</i>	ENTER
Generic programs	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical/Horizontal Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)
- Attribute Updates (refer to Section 7)

*Figure 3.14.1* shows the Primary Screen of FUNCTION **PC**. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.14.2*.

Please note that the Primary Screen shows the source PDS or LOADAREA where each called program is loaded from.

A screen displaying the memory contents of the CA-IDMS control block (i.e PDE, #PDTDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired program.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PC  RESOURCE:      LINE:      1      08/22/94 19:28:19
MEM :      CMD :      TOTAL:      825      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM      TYP LAN STA AB TRH SAV RM AM LXA #CP S
$ACF@TAT CDMSLIB PRIMARY TBL ASM ENA 0 5 N AN AN YES 2 Y
$TOOLTFCF CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ACFBLDIR CDMSLIB LOADLIB PRO ASM ENA 0 5 Y 24 AN NO 1 Y
ACF2EX02 CDMSLIB LOADLIB PRO ASM ENA 0 5 Y AN 31 YES 2 Y
ADAHABLD CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAHGOP2 CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAHTCOD CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 NO 0 Y
ADAMABLD CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAMFIND CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAMGOP1 CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAMGOP2 CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAMGREC CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAMSUMM CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 NO 0 Y
ADAMTCOD CDMSLIB LOADLIB UND ASM ENA 0 5 N AN 31 YES 1 Y
ADAPABLD CDMSLIB LOADLIB PRO ASM ENA 0 5 N AN 31 YES 1 Y
ADAPAGNM CDMSLIB LOADLIB PRO ASM ENA 0 5 N AN 31 YES 1 Y
ADAPFIND CDMSLIB LOADLIB PRO ASM ENA 0 5 N AN 31 YES 1 Y
ADAPGOP1 CDMSLIB LOADLIB PRO ASM ENA 0 5 N AN 31 YES 1 Y
ADAPGOP2 CDMSLIB LOADLIB PRO ASM ENA 0 5 N AN 31 YES 1 Y

```

Figure 3.14.3

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PC  RESOURCE:      LINE:      1      08/23/94 19:32:51
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM      TYP LAN STA AB TRH SAV RM AM LXA #CP S

FIELD MEANING
PROGRAM : PROGRAM NAME
DDNAM/V#: PROGRAM VERSION
FROM : PROGRAM LOADED FROM
TYP : PROGRAM TYPE (PRO,SUB,DIA,MAP,UND,NUC,DRV)
LAN : PROGRAM LANGUAGE (COB,ADS,ASM,FOR,PL1)
STA : PROGRAM STATUS (ENA,DIS)
AB : PGM CHECK (ABEND)
TRH : PGM CHECK THRESHOLD
SAV : SAVEAREA (Y/N) ,RM :RES MODE(24/31/ANY)
AM : ADDR MODE (24/31/ANY)
LXA : LOADED ABOVE 16 MEG LINE (YES/NO)
#CP : # COPIES IN MEMORY
S : PROGRAM CAN BE SHARED BY ALL (Y/N) TYPE 'S' IN FIRST COLUMN

===== TO VIEW PDE (#PDTDS)
===== TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
N: VARY PROGRAM NEW COPY (REFRESH)
E: VARY PROG IN SERVICE (ENABLE) D: VARY PROG OUT OF SERVICE (DISABLE)
P: STORAGE PROTECT 'YES' U: STORAGE UNPROTECT 'NO'
XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.14.4

There is a Secondary Screen available for the FUNCTION **PC**, obtained by pressing PF11/PF23. *Figure 3.14.3* shows the Secondary Screen of FUNCTION **PC**. A description of the fields appearing on the Secondary Screen is provided on the HELP screen shown in *Figure 3.14.4*.

Some attribute updates to the programs are possible:

- vary new copy (**N**) of program
- enable (**E**) or disable (**D**) program
- turn storage protection on (**P**) or off (**U**)

The bottom of *Figure 3.14.2* and *Figure 3.14.4* displays these update codes.

To update program(s) enter the appropriate code in the first position of the line(s) associated with the program(s) in question and hit ENTER. The screen will be re-displayed to indicate the effect of the change(s).

**Please note that multiple programs can be updated simultaneously by using the appropriate single-character commands on pageable screen lists.**

### Section 3 - Detailed Description of Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC  RESOURCE:          LINE:      1      08/22/94 19:28:41
MEM :          CMD :          TOTAL:    57      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
C ADS
ADSA      CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  NO  N    1    325 26352
ADSADADD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  YES N    1    10 13936
ADSADCOM  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  YES N    1    64 14376
ADSADDIS  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  YES N    1     6 12896
ADSADMOD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  YES N    1    11 14224
ADSAHCOM  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1     1 16216
ADSAMADD  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1     8  2472
ADSAMCOM  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1    55  2336
ADSAMDIS  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1     6  2248
ADSAMMEN  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1   290  2032
ADSAMMOD  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1     8  2424
ADSC      CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  YES N    1    69 100040
ADSCADDD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  YES N    1    23  36344
ADSCADDM  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1     6  2888
ADSCCMSD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  YES N    1    12  26920
ADSCCMSG  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1     8  4624
ADSCCOMD  CDMSLIB  LOADLIB  DIA  ADS  ENA  FUL  NO  YES N    1   218  84928
ADSCCOMP  CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES N    1    14  2712
TOTAL LOAD:          57 CALL:          4145 LO/C:          1.37% ABND:          0 SIZE: 1297K

```

Figure 3.14.5

Totals are displayed only if a **Selection Criteria** has been specified.

The following additional statistics are displayed on the last line of the Secondary Screen:

- Total number of loaded programs
- Total number of called programs
- Percentage of loaded programs versus called programs
- Total number of program abends
- Total space (in K bytes) occupied by called programs (assuming 1 global load)

A Totals display is illustrated in *Figure 3.14.5*.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PR  RESOURCE:      LINE:      1      08/22/94 19:29:04
MEM :      CMD :      TOTAL:      54      PF1/PF13 (HELP)  V10
LTERM-ID CKPT PTERM-ID STATUS REPORT CLASS DESTINAT ACQ FFD RDB BAN
XLTIM050  1 XPTIM050 DISCN XDEST050 YES YES YES NO
XLTIM049  1 XPTIM049 DISCN XDEST049 YES YES YES NO
XLTIM048  1 XPTIM048 DISCN XDEST048 YES YES YES NO
XLTIM047  1 XPTIM047 DISCN XDEST047 YES YES YES NO
XLTIM046  1 XPTIM046 DISCN XDEST046 YES YES YES NO
XLTIM045  1 XPTIM045 DISCN XDEST045 YES YES YES NO
XLTIM044  1 XPTIM044 DISCN XDEST044 YES YES YES NO
XLTIM043  1 XPTIM043 DISCN XDEST043 YES YES YES NO
XLTIM042  1 XPTIM042 DISCN XDEST042 YES YES YES NO
XLTIM041  1 XPTIM041 DISCN XDEST041 YES YES YES NO
XLTIM040  1 XPTIM040 DISCN XDEST040 YES YES YES NO
XLTIM039  1 XPTIM039 DISCN XDEST039 YES YES YES NO
XLTIM038  1 XPTIM038 DISCN XDEST038 YES YES YES NO
XLTIM037  1 XPTIM037 DISCN XDEST037 YES YES YES NO
XLTIM036  1 XPTIM036 DISCN XDEST036 YES YES YES NO
XLTIM035  1 XPTIM035 DISCN XDEST035 YES YES YES NO
XLTIM034  1 XPTIM034 DISCN XDEST034 YES YES YES NO
XLTIM033  1 XPTIM033 DISCN XDEST033 YES YES YES NO
XLTIM032  1 XPTIM032 DISCN XDEST032 YES YES YES NO

```

Figure 3.15.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: PR  RESOURCE:      LINE:      1      08/23/94 19:33:04
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)  V10
LTERM-ID CKPT PTERM-ID STATUS REPORT CLASS DESTINAT ACQ FFD RDB BAN

FIELD MEANING
LTERM-ID: LOGICAL TERMINAL IDENTIFICATION
CKPT : PRINTER CHECKPOINT FREQUENCY (PAGES)
PTERM-ID: PHYSICAL TERMINAL IDENTIFICATION
STATUS : PRINTER STATUS
REPORT : REPORT NAME
CLASS : PRINTER CLASSES (MAX = 3 DISPLAYED)
DESTINAT: PRINTER DESTINATION
ACQ : VTAM PRINTER DEFINED WITH 'ACQUIRE' (YES/NO)
FFD : FORMFEED SUPPORTED (YES/NO)
RDB : READ BUFFER SUPPORTED (YES/NO)
BAN : BANNER PAGE SUPPORTED (YES/NO)

OTHER FUNCTIONS:
SELECTION CRITERIA
PF 7/19 BACKWARD
PF 8/20 FORWARD
PF 9/21 REFRESH ON
PF 3/15 REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

=====> TO VIEW LTE (#LTEDS) TYPE 'S' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.15.2

### 3.15 PR Function - Printer List

FUNCTION **PR** displays details on any printer defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one printer	printer name	ENTER
all printers	<i>blank</i>	ENTER
Generic printers	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.15.1* shows the Primary Screen of FUNCTION PR. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.15.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. LTE, #LTEDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired printer.

## Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PT  RESOURCE:      LINE:      1      08/22/94 19:29:58
MEM :      CMD :      TOTAL:      144      PF1/PF13 (HELP)      V10
 PTERM-ID LTERM-ID PLINE-ID TYP PST LST TERM-ID CLAS DESTINAT READ WRIT ER AQ
OPERATOR  CONSOLE  CONSOLE  SCR INS INS          1 *DESTINV  0  0  0
UCFPT01  UCFLT01  UCFLINE  SCR DIS INS WUGRSSTF  1 *DESTINV  9  26  0
UCFPT02  UCFLT02  UCFLINE  SCR INS INS  BEJ47    1 *DESTINV  57  57  0
UCFPT03  UCFLT03  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPT04  UCFLT04  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPT05  UCFLT05  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPT06  UCFLT06  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPT07  UCFLT07  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPT08  UCFLT08  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPT09  UCFLT09  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPT10  UCFLT10  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPRT1  LUCFPRT1  UCFLINE  PRI DIS INS  SYSUCFB  1 *DESTINV  0  0  0
UCFAULIV UCFAULIV UCFLINE  SCR DIS INS  AULIVS   1 *DESTINV  0  0  0
UCFPT11  UCFLT11  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
UCFPT12  UCFLT12  UCFLINE  SCR DIS INS          1 *DESTINV  0  0  0
PS3270Q1 LS3270Q1 S3270Q1 SCR CLO INS          1 *DESTINV  0  0  0
I03A5012 L03A5012 VTAM10  PRI DIS INS  I03A5012 1 *DESTINV  0  0  0 Y
XPTIM001 XLTIM001 VTAM10  PRI DIS INS  XPTIM001 1 *DESTINV  0  0  0 Y
I0300115 XLTIM002 VTAM10  PRI DIS INS  I0300115 1 *DESTINV  0  0  0 Y

```

Figure 3.16.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: PT  RESOURCE:      LINE:      1      08/23/94 19:33:20
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)      V10
 PTERM-ID LTERM-ID PLINE-ID TYP PST LST TERM-ID CLAS DESTINAT READ WRIT ER AQ

FIELD MEANING
 PTERM-ID: PHYSICAL TERMINAL IDENTIFICATION
 LTERM-ID: LOGICAL TERMINAL IDENTIFICATION
 PLINE-ID: PHYSICAL LINE IDENTIFICATION
 TYP      : TERMINAL TYPE      SCR:SCREEN  PRI:PRINTER
 PST      : PHYSICAL STATUS    LST: LOGICAL STATUS
 TERM-ID  : VTAM:NETNAME      UCF:FRONT-END ID
 CLAS     : DEFAULT PRINTER CLASS
 DESTINAT: DEFAULT PRINTER DESTINATION
 READ     : # OF READS ,WRIT:# OF WRITES ,ER:# READ/WRITE ERRORS
 AQ       : VTAM TERMINAL DEFINED WITH 'ACQUIRE'(Y/N) OR SPACE
=====> TO VIEW PTE (#PTEDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
O: VARY PTERM ONLINE
N: CONNECT PTERM
D: DISCONNECT PTERM
F: VARY PTERM OFFLINE

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.16.2

### 3.16 PT Function - Physical Terminal List

FUNCTION PT displays details on any physical terminal defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one terminal	physical terminal name	ENTER
all terminals	<i>blank</i>	ENTER
Generic terminals	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)
- Attribute Updates (refer to Section 7)

*Figure 3.16.1* shows the Primary Screen of FUNCTION PT. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.16.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e PTE, #PTEDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired physical terminal.

**Section 3 - Detailed Description of Functions**

---

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Some attribute updates to the terminals are possible:

- vary physical terminal online (**O**) or offline (**F**)
- connect (**N**) or disconnect (**D**) the physical terminal

The bottom of *Figure 3.16.2* displays these update codes.

To update physical terminal(s) enter the appropriate code in the first position of the line(s) associated with the physical terminal(s) in question and hit ENTER. The screen will be re-displayed to indicate the effect of the change(s).

**Please note that multiple terminals can be updated simultaneously by using the appropriate single-character commands on pageable screen lists.**

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PT  RESOURCE:      LINE:      1      08/22/94 19:31:35
MEM :      CMD :      TOTAL:      27      PF1/PF13 (HELP)      V10
PTERM-ID LTERM-ID PLINE-ID TYP PST LST TERM-ID CLAS DESTINAT READ WRIT ER AQ
C E04
E0496B32 XLTEC001 VTAM10   SCR DIS INS A3NAM012   Z0300115      1      1  0 N
E0496B43 XLTEC002 VTAM10   SCR DIS INS A4NAM010   *NODEST*      3      4  0 N
E0492F02 XLTEC003 VTAM10   SCR DIS INS A4NAM005   Z03A551A     382    384  0 N
E0496102 XLTEC004 VTAM10   SCR DIS INS A4NAM023   Z03A551A      61     66  0 N
E0496B57 XLTEC008 VTAM10   SCR DIS INS A4NAM088   *NODEST*     155    154  0 N
E0492402 XLTEC009 VTAM10   SCR DIS INS A4NAM072   Z03A551A     124    125  0 N
E0496B2F XLTEC010 VTAM10   SCR DIS INS A4NAM045   *NODEST*     382    390  0 N
E0492E02 XLTEC011 VTAM10   SCR DIS INS A4NAM026   *NODEST*      26     26  0 N
E04D2E02 XLTEC012 VTAM10   SCR DIS INS A4NAM011   *NODEST*     290    283  0 N
E0493302 XLTEC013 VTAM10   SCR DIS INS A4NAM014   Z03A551A      28     28  0 N
E04D4D02 XLTEC014 VTAM10   SCR DIS INS E04D4D02   Z0466221      15     17  0 N
E0496B2C XLTEC015 VTAM10   SCR DIS INS A4NAM092   Z0466221      36     36  0 N
E0496B17 XLTEC016 VTAM10   SCR DIS INS A4NAM082   *NODEST*      46     48  0 N
E046501D XLTEC017 VTAM10   SCR DIS INS A4NAM097   *NODEST*     340    347  0 N
E0496B7E XLTEC018 VTAM10   SCR DIS INS A4NAM034   *NODEST*     160    163  0 N
E0496B4E XLTEC019 VTAM10   SCR DIS INS A4NAM041   Z03A5519      11     12  0 N
E0492C02 XLTEC020 VTAM10   SCR DIS INS A4NAM064   Z03A551A     120    125  0 N
E0465007 XLTEC022 VTAM10   SCR DIS INS A4NAM047   Z03A551A     525    526  0 N
TOTAL :      READ:      3225      WRITE:      3266      ERR:      0

```

Figure 3.16.3

Totals are displayed only if a **Selection Criteria** has been specified.

The following additional statistics are displayed on the last line:

- Total number of terminal reads
- Total number of terminal writes
- Total number of terminal read/write errors

A Totals display is illustrated in *Figure 3.16.3*.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: RE  RESOURCE:          LINE:      1      08/22/94 19:32:00
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10
  OPTION "RE" (RESOURCE)
```

FUNCTION:

- R1. STORAGE NOT ASSOCIATES WITH ANY TERMINAL ( E.G. SHARE, CSA)
- R2. RESOURCES ASSOCIATED WITH LOGICAL TERMINAL THAT HAVE NO ACTIVE TASK
- R3. ACTIVE TASKS STATISTICS (DB/DC/STORAGE)
- R4. ECB TYPES A TASK IS WAITING ON

Figure 3.17.1

### **3.17 RE Function - Runtime Resource List**

FUNCTION **RE** displays details on all the resources used at runtime by the CA-IDMS/DC-UCF environment.

RE has four sub-FUNCTION (**R1** through **R4**) and these are shown in *Figure 3.17.1*. To get the Secondary Screen display related to the sub-FUNCTIONS, **R1**, **R2**, **R3** or **R4** must be entered in the FUNCTION field.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R1  RESOURCE:      LINE:      1      08/22/94 19:32:43
MEM :      CMD :      TOTAL: 853      PF1/PF13 (HELP)  V10
  TYPE      ID  STG-TYP  STG-LOC  ATTR      STG-LG  LG-K      TASK-NO  **ADRS**
STORAGE     ....  CSA      LONG    NOKEEP     384      0      0 0C01FE88
STORAGE     ....  CSA      LONG    NOKEEP     4096     4K      0 0C01EE88
STORAGE     ....  CSA      LONG    NOKEEP     28736    28K     0 0C00CDC8
STORAGE     ....  CSA      LONG    NOKEEP     8128     7K      0 0C01CEC8
STORAGE     ....  CSA      LONG    NOKEEP      64      0      0 0C01CDC8
STORAGE     ....  CSA      LONG    NOKEEP     320      0      0 0C01CBC8
STORAGE     ....  CSA      LONG    NOKEEP     960      0      0 0C01C808
STORAGE     ....  CSA      LONG    NOKEEP     320      0      0 0C01C6C8
STORAGE     ....  CSA      LONG    NOKEEP    106624   104K    0 0BFF2D48
STORAGE     ....  CSA      LONG    NOKEEP     192      0      0 0C01CD08
STORAGE     ....  CSA      LONG    NOKEEP     128      0      0 0C01C108
STORAGE     ....  CSA      LONG    NOKEEP     128      0      0 0C01C088
STORAGE     ....  CSA      LONG    NOKEEP     128      0      0 0C01C008
STORAGE     ....  CSA      LONG    NOKEEP     4288     4K      0 00848F48
STORAGE     ....  CSA      LONG    NOKEEP     2112     2K      0 0C013E08
STORAGE     ....  CSA      LONG    NOKEEP     2112     2K      0 0C014648
STORAGE     ....  CSA      LONG    NOKEEP     448      0      0 0C01C508
STORAGE     ....  CSA      LONG    NOKEEP     2816     2K      0 0BFF2248
STORAGE     ....  CSA      LONG    NOKEEP     128      0      0 0C01C488

```

Figure 3.17.2

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: R1  RESOURCE:      LINE:      1      08/23/94 19:34:03
MEM :      CMD :      TOTAL: 0      PF1/PF13 (HELP)  V10
  TYPE      ID  STG-TYP  STG-LOC  ATTR      STG-LG  LG-K      TASK-NO  **ADRS**

FIELD MEANING
  TYPE      : RESOURCE TYPE
  ID        : STORAGE ID
  STG-TYP   : STORAGE TYPE      (CSA,DBMS....)
  STG-LOC   : STORAGE LOCATION (LONG,SHORT)
  ATTR      : STORAGE ATTRIBUTE (KEEP,NOKEEP)
  STG-LG    : STORAGE LENGTH
  LG-K      : STORAGE LENGTH IN K BYTES
  TASK-NO   : TASK NUMBER
  **ADRS**  : RESOURCE'S ADDRESS IN HEXA. FORMAT

OTHER FUNCTIONS:
SEL. CRIT. = TOTALS
PF 7/19  BACKWARD
PF 8/20  FORWARD
PF 9/21  REFRESH ON
PF 3/15  REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

=====> TO VIEW CSA (SYSTEM) OR SHARE STORAGE TYPE 'S' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.17.3

## R1 Sub-function - Storage resources

Sub-FUNCTION R1 displays the CSA (System) SHARE storage resources, as seen in *Figure 3.17.2*. Refer to *Figure 3.17.3* for a description of the fields.

### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)

A screen displaying the memory contents of the CA-IDMS control block can be viewed by typing an "S" in the first position of the line corresponding to the desired storage.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R2  RESOURCE:                LINE:      1      08/22/94 19:32:58
MEM :        CMD :                    TOTAL:     0      PF1/PF13 (HELP)  V10
  TYPE      ST/SA-ID STG-TYP  STG-LOC  STG-LG  TASK-NO  TERMINAL  **ADRS**
```

Figure 3.17.4

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R2  RESOURCE:                LINE:      1      08/23/94 19:34:34
MEM :        CMD :                    TOTAL:     0      PF1/PF13 (HELP)  V10
  TYPE      ST/SA-ID STG-TYP  STG-LOC  STG-LG  TASK-NO  TERMINAL  **ADRS**
```

```
FIELD MEANING                                OTHER FUNCTIONS:
  TYPE      : RESOURCE TYPE                   SEL. CRIT. = TOTALS
  ST/SA-ID  : STORAGE OR SCRATCH IDENTIFICATION
  STG-TYP   : STORAGE TYPE (CSA,DBMS...)      PF 7/19  BACKWARD
  STG-LOC   : STORAGE LOCATION (LONG,SHORT)   PF 8/20  FORWARD
  STG-LG    : STORAGE LENGTH                  PF 9/21  REFRESH ON
  TASK-NO   : TASK NUMBER                    PF 3/15  REFRESHOFF
  TERMINAL  : LTERMINAL NAME                 PF19 -1 SEC
  **ADRS**  : RESOURCE'S ADDRESS IN HEXA. FORMAT
                                         PF20 +5 SECS
```

NOTE: YOU CAN SPECIFY A TERMINAL NAME IN THE 'RESOURCE:' FIELD

=====> TO VIEW STORAGE CONTENTS TYPE 'S' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

Figure 3.17.5

## R2 Sub-function - Storage/Scratch resources for inactive terminals

Sub-FUNCTION **R2** displays the 'Storage' and 'Scratch' resources for each logical terminal with no active task at the time. Refer to *Figure 3.17.4* for this display and *Figure 3.17.5* for a description of the fields.

SELECTION CAPABILITIES	RESOURCE	KEY
one terminal	logical terminal name	ENTER
all terminals	<i>blank</i>	ENTER
Generic terminals	Generic Mask (refer to Section 4)	

### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)

A screen displaying the memory contents of the CA-IDMS control block can be viewed by typing an "S" in the first position of the line corresponding to the desired storage.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R1  RESOURCE:      LINE:      1      08/22/94 19:33:35
MEM :      CMD :      TOTAL: 853      PF1/PF13 (HELP)  V10
  TYPE      ID  STG-TYP  STG-LOC  ATTR      STG-LG  LG-K      TASK-NO  **ADRS**
C
STORAGE  .... CSA      LONG    NOKEEP    384
STORAGE  .... CSA      LONG    NOKEEP    4096      4K
STORAGE  .... CSA      LONG    NOKEEP    28736     28K
STORAGE  .... CSA      LONG    NOKEEP    8128      7K
STORAGE  .... CSA      LONG    NOKEEP    64
STORAGE  .... CSA      LONG    NOKEEP    320
STORAGE  .... CSA      LONG    NOKEEP    960
STORAGE  .... CSA      LONG    NOKEEP    320
STORAGE  .... CSA      LONG    NOKEEP    106624    104K
STORAGE  .... CSA      LONG    NOKEEP    192
STORAGE  .... CSA      LONG    NOKEEP    128
STORAGE  .... CSA      LONG    NOKEEP    128
STORAGE  .... CSA      LONG    NOKEEP    128
STORAGE  .... CSA      LONG    NOKEEP    4288      4K
STORAGE  .... CSA      LONG    NOKEEP    2112      2K
STORAGE  .... CSA      LONG    NOKEEP    2112      2K
STORAGE  .... CSA      LONG    NOKEEP    448
STORAGE  .... CSA      LONG    NOKEEP    2816      2K
TOTAL  LEN :      825K

```

Figure 3.17.6

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R2  RESOURCE:      LINE:      1      08/22/94 19:33:56
MEM :      CMD :      TOTAL: 0      PF1/PF13 (HELP)  V10
  TYPE      ST/SA-ID STG-TYP  STG-LOC  STG-LG  TASK-NO  TERMINAL  **ADRS**
C

TOTAL  LEN :      0K

```

Figure 3.17.7

Totals for sub-FUNCTIONS **R1** and **R2** are displayed only if a **Selection Criteria** has been specified.

The following additional statistics are displayed on the last line:

- Total memory space used by the 'storage' resource.

A Totals display is illustrated in *Figure 3.17.6* and *Figure 3.17.7*.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R3  RESOURCE:                LINE:      1      08/22/94 19:34:16
MEM :          CMD :                    TOTAL:    15      PF1/PF13 (HELP)  V10
  TA-NO TASK-ID  STORAGE PROGRAM SA QU RC P/READ P/WRIT  CALL  LOCK  TIME
B 004907 IDMSDMLX  9 20K 1 24K 0 0 12  4663   483   11958   25 0006.76
  004927 XOMT      6  8K 1  88K 0 0  7    +++++ NO RUN-UNIT +++++ 0000.01
  000013 RHDCPRNT  0  0K 0  0K 0 0  0    +++++ NO RUN-UNIT +++++ 0000.66
  000008 RHDCDEAD  0  0K 0  0K 0 0  1    +++++ NO RUN-UNIT +++++ 0017.49
  000007 RHDCLGSD  5 15K 1  0K 0 0  7     0     0     3     1 0000.05
  000006 RHDCLGSD  5 15K 1  0K 0 0  7     0     0     3     1 0000.20
  000005 RHDCLGSD  5 15K 1  0K 0 0  7     0     0     3     1 0000.23
  000004 RHDCRUSD  5 13K 6  9K 0 0 13   1010    0   13578    2 0000.00
  000003 RHDCRUSD  3  8K 1  4K 0 0  5   3810    0   65855  35648 0000.00
  000002 RHDCRUSD  3  7K 1  1K 0 0  5   2567  1038  48966  41425 0000.00
  000051 VTAMLU    0  0K 0  0K 0 0  0    +++++ NO RUN-UNIT +++++ 0000.12
  000012 SYSOUTL1  1  0K 0  0K 0 0  1    +++++ NO RUN-UNIT +++++ 0000.00
  000011 VTAM10   1  5K 0  0K 0 0  1    +++++ NO RUN-UNIT +++++ 0015.42
  000009 UCFLINE   2  0K 0  0K 0 0  2    +++++ NO RUN-UNIT +++++ 0000.31
  000001 *DBRC*    1  0K 0  0K 0 0  2    +++++ NO RUN-UNIT +++++ 0004.58
  000000 *MASTER*  1  0K 0  0K 0 0  2    +++++ NO RUN-UNIT +++++ 0016.79

```

Figure 3.17.8

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: R3  RESOURCE:                LINE:      1      08/23/94 19:34:47
MEM :          CMD :                    TOTAL:     0      PF1/PF13 (HELP)  V10
  TA-NO TASK-ID  STORAGE PROGRAM SA QU RC P/READ P/WRIT  CALL  LOCK  TIME

FIELD MEANING
  TA-NO      : TASK NUMBER
  TASK-ID    : TASK NAME      'ERUS':PROGRAM NAME
  STORAGE    : 1:NUMBER OF STORAGE RCE'S 2:TOTAL STORAGE IN K BYTES
  PROGRAM    : 1:NUMBER OF PROGRAM RCE'S 2:TOTAL PROGRAM'S STORAGE IN K BYTES
  SA         : NUMBER OF SCRATCH PAGES  QU: NUMBER OF QUEUES
  RC         : TOTAL NUMBER OF RCE'S
  P/READ     : NUMBER OF PAGES READ
  P/WRIT     : NUMBER OF PAGES WRITTEN
  CALL       : NUMBER OF 'DB CALLS'
  LOCK       : TOTAL NUMBER OF 'DB LOCKS'
  TIME       : CPU USER TIME + CPU SYSTEM TIME
  OTHER FUNCTIONS:
  P/READ     : PF 7/19 BACKWARD
  P/WRIT     : PF 8/20 FORWARD
  CALL       : PF10/22 LEFT
  LOCK       : PF11/23 RIGHT
  TIME       : PF 9/21 REFRESH ON
  NOTE: A 'B' IN FIRST COLUMN INDICATES A BATCH 'ERUS'
        A 'C' IN FIRST COLUMN INDICATES A CICS 'ERUS'
  =====> TO CANCEL A TASK TYPE 'CXXXXXX' IN 'MEM:' FIELD  PF19 -1 SEC
  =====> TO VIEW TCE (#TCEDS) TYPE 'S' IN FIRST COLUMN  PF20 +5 SECS
  =====> TO VIEW FORMATTED TST (#TSTDS) TYPE 'T' IN FIRST COLUMN
  =====> TO VIEW ALLOCATED RESOURCES TYPE 'R' IN FIRST COLUMN
  XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.17.9

## R3 Sub-function - Active Task Statistics

Sub-FUNCTION **R3** displays statistics for the active tasks (both DC and ERUS types).

SELECTION CAPABILITIES	RESOURCE	KEY
one task	task name	ENTER
all tasks	<i>blank</i>	ENTER
Generic tasks	Generic Mask (refer to Section 4)	

### AVAILABLE FEATURES:

- Memory Display (refer to Section 6)
- Vertical/Horizontal Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Cancel Task (refer to the pages immediately following **R4** description)

For ERUS, a highlighted letter appears in the first position of the line associated with the task:

- **B** - BATCH ERUS
- **C** - CICS ERUS

Refer to *Figure 3.17.8* for this display and *Figure 3.17.9* for a description of the fields.

A screen displaying the memory contents of the task (i.e. TCE, #TCEDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired task.

## Section 3 - Detailed Description of Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: R3  RESOURCE:          LINE: 1          08/22/94 19:34:43
MEM :          CMD :          TOTAL: 15          PF1/PF13 (HELP)  V10
  TA-NO  TASK-ID  SUBSCHEM SHRLOCK NSHRLCK P/READ P/WRITE  CALL  LOCK  TIME
004928  XOMT          +++++ NO RUN-UNIT +++++          0000.01
000013  RHDCPRNT          +++++ NO RUN-UNIT +++++          0000.66
000008  RHDCDEAD          +++++ NO RUN-UNIT +++++          0017.51
000007  RHDCLGSD  IDMSNWK9      1      0      0      0      3      1 0000.05
000006  RHDCLGSD  IDMSNWK9      1      0      0      0      3      1 0000.20
000005  RHDCLGSD  IDMSNWK9      1      0      0      0      3      1 0000.23
000004  RHDCRUSD  IDMSNWK6      2      0     1010     0    13578     2 0000.00
000003  RHDCRUSD  IDMSNWKL      0      1     3810     0    65867    35653 0000.00
000002  RHDCRUSD  IDMSNWK7     21    3111    2567    1038    48966    41425 0000.00
000051  VTAMLU          +++++ NO RUN-UNIT +++++          0000.12
000012  SYSOUTL1          +++++ NO RUN-UNIT +++++          0000.00
000011  VTAM10          +++++ NO RUN-UNIT +++++          0015.42
000009  UCFLINE          +++++ NO RUN-UNIT +++++          0000.32
000001  *DBRC*          +++++ NO RUN-UNIT +++++          0004.58
000000  *MASTER*          +++++ NO RUN-UNIT +++++          0016.79

```

Figure 3.17.10

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: R3  RESOURCE:          LINE: 1          08/22/94 19:35:04
MEM :          CMD :          TOTAL: 15          PF1/PF13 (HELP)  V10
  TA-NO  TASK-ID  SUBSCHEM SHRLOCK NSHRLCK P/READ P/WRITE  CALL  LOCK  TIME

FIELDS MEANING
  TA-NO      : TASK NUMBER
  TASK-ID    : TASK NAME      'ERUS':PROGRAM NAME
  SUBSCHEM  : IF ANY RUN-UNIT, SUBSCHEMA NAME
  SHRLOCK   : NUMBER OF SHARE LOCKS
  NSHRLCK   : NUMBER OF NON SHARE LOCKS
  P/READ    : NUMBER OF PAGES READ
  P/WRITE   : NUMBER OF PAGES WRITTEN
  CALL      : NUMBER OF 'DB CALLS'
  LOCK      : TOTAL NUMBER OF 'DB LOCKS'
  TIME      : CPU USER TIME  + CPU SYSTEM TIME

OTHER FUNCTIONS:
  PF 7/19   BACKWARD
  PF 8/20   FORWARD
  PF10/22   LEFT
  PF11/23   RIGHT
  PF 9/21   REFRESH ON
  PF 3/15   REFRESHOFF
  PF19 -1 SEC
  PF20 +5 SECS

=====> TO CANCEL A TASK TYPE 'CXXXXXX' IN 'MEM:' FIELD
=====> TO VIEW TCE (#TCEDS) TYPE 'S' IN FIRST COLUMN
=====> TO VIEW FORMATTED TST (#TSTDS) TYPE 'T' IN FIRST COLUMN
=====> TO VIEW ALLOCATED RESOURCES TYPE 'R' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.17.11

## Section 3 - Detailed Description of Functions

---

The PF11/PF23 keys are operational only for the sub-FUNCTION **R3** and are used to display the current number of 'Share' and 'Non-share' locks in the database. The number displayed reflects all activity since the last checkpoint. Refer to *Figure 3.17.10* for this screen display, and *Figure 3.17.11* for a description of the fields.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: R3  RESOURCE:          LINE:      1      08/22/94 19:35:10
MEM :          CMD :          TOTAL:    15      PF1/PF13 (HELP)  V10
  TA-NO TASK-ID  STORAGE PROGRAM SA QU RC P/READ P/WRIT  CALL  LOCK  TIME
t 004929 XOMT    6   8K 1  88K 0 0 7      +++++ NO RUN-UNIT +++++ 0000.01
000013 RHDCPRNT 0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.66
000008 RHDCDEAD 0   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0017.51
000007 RHDCLGSD 5  15K 1   0K 0 0 7         0       0       3       1 0000.05
000006 RHDCLGSD 5  15K 1   0K 0 0 7         0       0       3       1 0000.20
000005 RHDCLGSD 5  15K 1   0K 0 0 7         0       0       3       1 0000.23
000004 RHDCRUSD 5  13K 6   9K 0 0 13      1010      0     13578      2 0000.00
000003 RHDCRUSD 3   8K 1   4K 0 0 5      3810      0     65879     35658 0000.00
000002 RHDCRUSD 3   7K 1   1K 0 0 5      2567     1038     48966     41425 0000.00
000051 VTAMLU   0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.12
000012 SYSOUTL1 1   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0000.00
000011 VTAM10   1   5K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0015.42
000009 UCFLINE   2   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0000.32
000001 *DBRC*    1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0004.59
000000 *MASTER* 1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0016.79

```

Figure 3.17.12

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: R3  RESOURCE:          LINE:      1      08/22/94 19:35:31
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10

STATISTICS TASK-ID:  XOMT          PROG:  IRMP0000

USER TIME      :          0.0000    SYSTEM TIME    :          0.0131

      DC STATISTICS                DB STATISTICS                LAST EIGHT REQUESTS
                                V# RC
PGM CALL      :          2          PAGES READ   :3796474          00 00
PGM LOAD      :8243952          PAGES WRITE  :5050505          00 00
STORAGE       :8864864          PAGES RQST   : 388602          00 00
STORAGE HWM   :1139763K        CALC NOFLOW  :8120848          00 00
FREESTG RQST  :5003296          CALC OFLOW   :9027696          00 00
SCRATCH GET   : 117488          VIA NOFLOW   :4778080          00 00
SCRATCH PUT   :5923444          VIA OFLOW    :4198254          00 00
SCRATCH DEL   :4189462          REC RQST     :2223421          00 00
QUEUE GET     :1338197          REC CUR R-U  :5923444          LAST RECORD
QUEUE PUT     :5923444          FRAG. STORE  :1534778          ==>
QUEUE DEL     :7117868          REC. RELOC.  :1403776
SYS. SERVICE  :4838976          DBKEY:       000000-0000

```

Figure 3.17.13

A screen displaying the DB/DC task statistics for a specific task (i.e. formatted TST, #TSTDS) can be viewed by typing a "T" in the first position of the line corresponding to the desired task. *Figure 3.17.12* and *Figure 3.17.13* give examples of the selection and resulting display of a task's statistics.

The last 8 DML verbs issued by the task with their corresponding return codes, plus the last record accessed and its DBKEY are also displayed.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: R3  RESOURCE:          LINE:      1      08/22/94 19:38:10
MEM :          CMD :          TOTAL:    15      PF1/PF13 (HELP)  V10
  TA-NO TASK-ID  STORAGE PROGRAM SA QU RC P/READ P/WRT  CALL  LOCK  TIME
r 004935 XOMT    6   8K 1  88K 0 0 7      +++++ NO RUN-UNIT +++++ 0000.01
000013 RHDCPRNT 0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.66
000008 RHDCDEAD 0   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0017.59
000007 RHDCLGSD 5  15K 1   0K 0 0 7          0      0      3      1 0000.05
000006 RHDCLGSD 5  15K 1   0K 0 0 7          0      0      3      1 0000.20
000005 RHDCLGSD 5  15K 1   0K 0 0 7          0      0      3      1 0000.23
000004 RHDCRUSD 5  13K 6   9K 0 0 13     1010     0    13578     2 0000.00
000003 RHDCRUSD 3   8K 1   4K 0 0 5     3810     0    65951    35688 0000.00
000002 RHDCRUSD 3   7K 1   1K 0 0 5     2567    1038    48966    41425 0000.00
000051 VTAMLU   0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.12
000012 SYSOUTL1 1   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0000.00
000011 VTAM10   1   5K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0015.42
000009 UCFLINE   2   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0000.33
000001 *DBRC*    1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0004.61
000000 *MASTER*  1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0016.80

```

Figure 3.17.14

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: R3  RESOURCE:          LINE:      1      08/22/94 19:38:23
MEM :          CMD :          TOTAL:      7      PF1/PF13 (HELP)  V10
  TA-NO TASK-ID  TYPE          SID  *ADR*  LENGTH
004936 XOMT      STORAGE ELEMENT 0BE16E00 128
                   STORAGE ELEMENT C TL 00835F80 128
                   STORAGE ELEMENT IRST 0BE15000 4096
                   STORAGE ELEMENT 0BF7D9C0 3520
                   STORAGE ELEMENT 00832EC0 320
                   STORAGE ELEMENT 00832E40 128
                   PROGRAM ELEMENT 004DEA00 88K

```

Figure 3.17.15

### Section 3 - Detailed Description of Functions

---

A screen displaying the currently allocated resources for a specific task (i.e. RCEs, RLEs) can be viewed by typing an **"R"** in the first position of the line corresponding to the desired task. *Figure 3.17.14* and *Figure 3.17.15* give examples of the selection and resulting display of a task's currently allocated resources.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R4  RESOURCE:                LINE:      1      08/22/94 19:38:50
MEM :        CMD :                    TOTAL:    15      PF1/PF13 (HELP)  V10
  TA-NO  TASK-ID  *PROG*  *LTE-ID*  PRI STA  *ADR*      *** ECB TYPE ***
004937  XOMT     IRMP0000 UCFLT02  100 ACT
000013  *DRIVER*  RHDCPRNT  253 WAI 0BF8476C PRINTER SERVICE
000008  *DRIVER*  RHDCDEAD  253 WAI 002626CC WAIT INTERVAL
                                000772C8 ECB ==> UNKNOWN
000007  *DRIVER*  RHDCLGSD  253 WAI 000771C8 ECB ==> UNKNOWN
000006  *DRIVER*  RHDCLGSD  253 WAI 00077178 ECB ==> UNKNOWN
000005  *DRIVER*  RHDCLGSD  253 WAI 00077128 ECB ==> UNKNOWN
000004  *DRIVER*  RHDCRUSD  253 WAI 00076E08 ECB ==> UNKNOWN
                                0C01918C TIMER ECB
000003  *DRIVER*  RHDCRUSD  253 WAI 00076DB8 ECB ==> UNKNOWN
                                0C01BE4C TIMER ECB
000002  *DRIVER*  RHDCRUSD  253 WAI 00076D68 ECB ==> UNKNOWN
                                0C01C18C TIMER ECB
000051  *DRIVER*  VTAMLU    254 WAI 00071D0C INTERNAL SERV DRIVER
                                009566AC VTAM REC V-ANY RESP/D
                                009569F4 VTAM READ INIT ECB
000012  *DRIVER*  SYSOUTL1  254 WAI 00071B8C INTERNAL SERV DRIVER
000011  *DRIVER*  VTAM10    254 WAI 0006802C INTERNAL SERV DRIVER
                                00938744 VTAM READ INIT ECB

```

Figure 3.17.16

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: R4  RESOURCE:                LINE:      1      08/23/94 19:35:40
MEM :        CMD :                    TOTAL:     0      PF1/PF13 (HELP)  V10
  TA-NO  TASK-ID  *PROG*  *LTE-ID*  PRI STA  *ADR*      ** ECB TYPE **

FIELD MEANING
  TA-NO      : TASK NUMBER
  TASK-ID    : TASK IDENTIFICATION
  *PROG*     : PROGRAM NAME
  *LTE-ID*   : 'DC':LOGICAL TERMINAL NAME      'ERUS' SUBSCHEMA NAME
  PRI        : TASK PRIORITY
  STA        : TASK STATUS                      (ABN,RDY,ACT...)
  *ADR*      : ECB'S ADDRESS
** ECB TYPE **: ECB TYPE TASK IS WAITING ON      OTHER FUNCTIONS:
                                                    PF 7/19  BACKWARD
                                                    PF 8/20  FORWARD
=====> TO CANCEL A TASK TYPE 'CXXXXXX' IN 'MEM:' FIELD  PF 9/21  REFRESH ON
=====> TO VIEW ECB CONTENTS TYPE 'S' IN FIRST COLUMN    PF 3/15  REFRESHOFF
                                                    PF19 -1 SEC
                                                    PF20 +5 SECS

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.17.17

## R4 Sub-function - Resources waited on by Active Tasks

Sub-FUNCTION R4 displays all the resources that active tasks are waiting on. Each resource is identified by its corresponding event control block (ECB). Refer to *Figure 3.17.16* for this display and *Figure 3.17.17* for a description of the fields.

### AVAILABLE FEATURES:

- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Cancel Task (refer to following pages)

A screen displaying the memory contents of the ECB (Event Control Block) can be viewed by typing an "S" in the first position of the line corresponding to the desired ECB.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R3  RESOURCE:      LINE:      1      08/22/94 19:39:15
MEM : c4938      CMD :      TOTAL:      15      PF1/PF13 (HELP)  V10
  TA-NO TASK-ID  STORAGE PROGRAM SA QU RC P/READ P/WRT  CALL  LOCK  TIME
004938 XOMT      6   8K 1   88K 0 0 7      +++++ NO RUN-UNIT +++++ 0000.01
000013 RHDCPRNT 0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.66
000008 RHDCDEAD 0   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0017.61
000007 RHDCLGSD 5  15K 1   0K 0 0 7      0      0      3      1 0000.05
000006 RHDCLGSD 5  15K 1   0K 0 0 7      0      0      3      1 0000.20
000005 RHDCLGSD 5  15K 1   0K 0 0 7      0      0      3      1 0000.23
000004 RHDCRUSD 5  13K 6   9K 0 0 13     1010   0     13578  2 0000.00
000003 RHDCRUSD 3   8K 1   4K 0 0 5      3810   0     65987 35703 0000.00
000002 RHDCRUSD 3   7K 1   1K 0 0 5      2567   1038  48966 41425 0000.00
000051 VTAMLU   0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.12
000012 SYSOUTL1 1   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0000.00
000011 VTAM10   1   5K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0015.42
000009 UCFLINE  2   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0000.34
000001 *DBRC*    1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0004.62
000000 *MASTER*  1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0016.80

```

Figure 3.17.18

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: R3  RESOURCE:      LINE:      1      09/20/94 08:09:05
MEM :      CMD :      TOTAL:      15      PF1/PF13 (HELP)  V10
  TA-NO TASK-ID  STORAGE PROGRAM SA QU RC P/READ P/WRT  CALL  LOCK  TIME
000095 XOMT      7   8K 1   88K 0 0 8      +++++ NO RUN-UNIT +++++ 0000.01
000013 RHDCPRNT 0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.01
000008 RHDCDEAD 0   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0011.16
000007 RHDCLGSD 5  15K 1   0K 0 0 7      0      0      3      1 0000.00
000006 RHDCLGSD 5  15K 1   0K 0 0 7      0      0      3      1 0000.01
000005 RHDCLGSD 5  15K 1   0K 0 0 7      0      0      3      1 0000.04
000004 RHDCRUSD 5  13K 6   9K 0 0 13     99     0     5198  2 0000.00
000003 RHDCRUSD 3   8K 1   4K 0 0 5      49     0     417   137 0000.00
000002 RHDCRUSD 3   7K 1   1K 0 0 5      1862   41     8679 7989 0000.00
000051 VTAMLU   0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.11
000012 SYSOUTL1 1   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0000.00
000011 VTAM10   1   5K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0000.13
000009 UCFLINE  1   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0000.00
000001 *DBRC*    1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0003.95
000000 *MASTER*  1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0010.86

XT030  TASK CANCELLED

```

Figure 3.17.19

### Canceling a task

Sub-FUNCTIONS **R3** and **R4** are used to cancel active tasks. The required information is keyed in the MEM field using the following format:

**MEM:** Cxxxxxx

Where xxxxxx is the number of the task to be cancelled.

The ENTER key triggers the cancel operation. A confirmation message is displayed. Refer to *Figure 3.17.18* and *Figure 3.17.19* for an example.

### Section 3 - Detailed Description of Functions

---

```
PREVIOUS TASK ABENDED WITH ABEND CODE XOMT
```

Figure 3.17.20

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: R3  RESOURCE:          LINE:      1      08/22/94 19:40:43
MEM :          CMD :          TOTAL:    15      PF1/PF13 (HELP)  V10
  TA-NO TASK-ID  STORAGE PROGRAM SA QU RC P/READ P/WRITE  CALL  LOCK  TIME
004940 XOMT      6   8K 1  88K 0 0 7      +++++ NO RUN-UNIT +++++ 0000.01
000013 RHDCPRNT 0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.66
000008 RHDCDEAD 0   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0017.64
000007 RHDCLGSD 5  15K 1   0K 0 0 7         0       0       3       1 0000.05
000006 RHDCLGSD 5  15K 1   0K 0 0 7         0       0       3       1 0000.20
000005 RHDCLGSD 5  15K 1   0K 0 0 7         0       0       3       1 0000.23
000004 RHDCRUSD 5  13K 6   9K 0 0 13      1010      0     13578      2 0000.00
000003 RHDCRUSD 3   8K 1   4K 0 0 5      3810      0     66011     35713 0000.00
000002 RHDCRUSD 3   7K 1   1K 0 0 5      2567     1038     48966     41425 0000.00
000051 VTAMLU   0   0K 0   0K 0 0 0      +++++ NO RUN-UNIT +++++ 0000.12
000012 SYSOUTL1 1   0K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0000.00
000011 VTAM10   1   5K 0   0K 0 0 1      +++++ NO RUN-UNIT +++++ 0015.42
000009 UCFLINE  2   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0000.34
000001 *DBRC*   1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0004.63
000000 *MASTER* 1   0K 0   0K 0 0 2      +++++ NO RUN-UNIT +++++ 0016.81
```

Figure 3.17.21

## Section 3 - Detailed Description of Functions

---

Furthermore, the User Terminal will also receive a message. Refer to *Figure 3.17.20* for an example. The screen will be re-displayed to indicate the effect of the cancel. Refer to *Figure 3.17.21*.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: RP  RESOURCE:                LINE:    1      08/22/94 19:43:28
MEM :                CMD :                TOTAL:    0      PF1/PF13 (HELP)  V10
  ON-PRINT  DEST/CLA REP-NAME LTE-ORIG PROG      LINE CO USER      DATE    TIME
```

Figure 3.18.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: RP  RESOURCE:                LINE:    1      08/23/94 19:35:58
MEM :                CMD :                TOTAL:    0      PF1/PF13 (HELP)  V10
  ON-PRINT  DEST/CLA REP-NAME LTE-ORIG PROG      LINE CO USER      DATE    TIME

FIELD MEANING                                OTHER FUNCTIONS:
  ON-PRINT : PRINTER IDENTIFICATION           SELECTION CRITERIA
  DEST/CLA: DESTINATION IDENTIFIER OR CLASS NUMBER PF 7/19  BACKWARD
  REP-NAME: REPORT NAME                       PF 8/20  FORWARD
  LTE-ORIG: LOGICAL TERMINAL ORIGIN          PF 9/21  REFRESH ON
  PROG    : PROGRAM NAME                     PF 3/15  REFRESHOFF
  LINE    : NUMBER OF LINES IN THE REPORT    PF19 -1 SEC
  CO      : NUMBER OF COPIES                 PF20 +5 SECS
  USER   : USER-ID
  DATE    : REPORT DATE
  TIME    : REPORT TIME

=====> TO VIEW RPE (#PRTDS) TYPE 'S' IN FIRST COLUMN

=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
R: RELEASE REPORT    K: KEEP REPORT    H: HOLD REPORT    D: DELETE REPORT

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 3.18.2

### 3.18 RP Function - Printer Report List

FUNCTION **RP** displays details on any printer report that has been created by users.

SELECTION CAPABILITIES	RESOURCE	KEY
one report	report name	ENTER
all reports	<i>blank</i>	ENTER
Generic reports	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Attribute Updates (refer to Section 7)

*Figure 3.18.1* shows the Primary Screen of FUNCTION **RP**. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.18.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. RPE, #PRTDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired printer report.

**Section 3 - Detailed Description of Functions**

---

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Some attribute updates to the reports are possible:

- release (**R**), keep (**K**), hold (**H**) or delete (**D**) reports

The bottom of *Figure 3.18.2* displays these update codes.

To update report(s) enter the appropriate code in the first position of the line(s) associated with the report(s) in question and hit ENTER. The screen will be re-displayed to indicate the effect of the change(s).

**Please note that multiple reports can be updated simultaneously by using the appropriate single-character commands on pageable screen lists.**

### Section 3 - Detailed Description of Functions

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: RU  RESOURCE:      LINE:      1      08/22/94 19:43:55
MEM :      CMD :      TOTAL:      9      PF1/PF13 (HELP)  V10
SUBSCHEMA AREA-NAME      NB RU      RU-ALLOC  RU-FREE  RU-OVERF  %OVER/ALLO
IDMSNWK7  DDLDCRUN      1      959      959      36      3.75%
IDMSNWKL  DDLDCLOD      1      15633    15633    253     1.61%
IDMSNWK6  DDLDCMSG      2      2266     2266     4      0.17%
IDMSNWK8  DDLDML        0      0         0         0      0.00%
IDMSSECU  DDLSEC        0      374     374     374    100.00%
IDMSSECS  DDLDML        0      209     209     209    100.00%
IDMSCATL  DDLCATLOD      0      1         1         1    100.00%
IDMSSECQ  DDLDCRUN      0      0         0         0      0.00%
IDMSSECS  DDLDML        0      0         0         0      0.00%
```

Figure 3.19.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: RU  RESOURCE:      LINE:      1      08/23/94 19:36:23
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)  V10
SUBSCHEMA AREA-NAME      NB RU      RU-ALLOC  RU-FREE  RU-OVERF  %OVER/ALLO

FIELD MEANING
SUBSCHEMA: SUBSCHEMA NAME
AREA-NAME: AREA NAME
NB RU      : NUMBER OF RUN-UNITS
RU-ALLOC: NUMBER OF ASSIGNED RUN-UNITS
RU-FREE  : NUMBER OF FREE RUN-UNITS
RU-OVERF: RUN-UNITS OVERFLOW
%OVER/AL: % OVERFLOW / RUN-UNITS ALLOC

OTHER FUNCTIONS:
PF 9/21  REFRESH ON
PF 3/15  REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS
```

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

Figure 3.19.2

### **3.19 RU Function - Permanent Run-unit List**

FUNCTION **RU** displays details on all the permanent (i.e. RHDCRUAL) run-units generated in the CA-IDMS environment.

**NOTE:** User Run-units are displayed in sub-FUNCTIONS **R3** and **R4**.

<b>SELECTION CAPABILITIES</b>	<b>RESOURCE</b>	<b>KEY</b>
<b>all run-units</b>	<i>blank</i>	<b>ENTER</b>

**Please note that "extent" type run-units are not displayed by the RU FUNCTION.**

#### **AVAILABLE FEATURES:**

- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.19.1* shows the Primary Screen of FUNCTION **RU**. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.19.2*.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: SC    RESOURCE:                LINE:      1      08/22/94 19:44:28
MEM :          CMD :                    TOTAL:   426      PF1/PF13 (HELP)  V10
  SUBSCHEMA
  ACFIV01
  ACFIV01
  ACFIV01
  ACFIV01
  BSIMNWKA
  CAGIV02
  CAGIV02
  CAGIV02
  CAGIV02
  CHGIV00
  CHGIV00
  CHGIV00
  CHGIV00
  CPOIV01
  CPOIV01
  CPOIV01
  CPOIV01
  CPOIV02
  CPOIV02
```

Figure 3.20.1

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: SC    RESOURCE:                LINE:      1      09/20/94 08:10:03
MEM :          CMD :                    TOTAL:   426      PF1/PF13 (HELP)  V10

XT034 =>PF3/PF15 : RETURN<= DOCUMENTATION NOT AVAILABLE FOR THIS SEARCH
```

Figure 3.20.2

### 3.20 SC Function - Subschema List

FUNCTION SC displays details on any subschema defined in the CA-IDMS environment and loaded at least once.

SELECTION CAPABILITIES	RESOURCE	KEY
one subschema	subschema name	ENTER
all subschemas	<i>blank</i>	ENTER
Generic subschemas	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)

*Figure 3.20.1* shows the Primary Screen of FUNCTION SC. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.20.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. PDE, #PDTDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired subschema.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: SC    RESOURCE:                LINE:      1      09/20/94 08:10:20
MEM :          CMD :                    TOTAL:   426      PF1/PF13 (HELP)  V10
  SUBSCHEMA
x ACFIV01
  ACFIV01
  ACFIV01
  ACFIV01
  BSIMNWKA
  CAGIV02
  CAGIV02
  CAGIV02
  CAGIV02
  CHGIV00
  CHGIV00
  CHGIV00
  CHGIV00
  CPOIV01
  CPOIV01
  CPOIV01
  CPOIV01
  CPOIV02
  CPOIV02
```

Figure 3.20.3

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: SC    RESOURCE:                LINE:      1      09/20/94 08:10:36
MEM :          CMD :                    TOTAL:      1      PF1/PF13 (HELP)  V10
  SUBSCHEMA INFORMATION
  SUBSCHEMA :ACFIV01                VERSION:????
  DATE COMPIL:93-09-10    TIME :22.52.23    DMCL :?????????
```

Figure 3.20.4

A screen displaying additional information for a specific subschema can be viewed by typing an "X" in the first position of the line corresponding to the desired subschema. The information is extracted from the load module. The subschema is loaded into memory if it is not already present. *Figure 3.20.3* and *Figure 3.20.4* give examples of the selection, and resulting display, of a specific subschema.

## Section 3 - Detailed Description of Functions

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: SP  RESOURCE:      LINE:      1      08/22/94 20:30:08
MEM :      CMD :      TOTAL:      3      PF1/PF13 (HELP)  V10
  POOL      SIZE      CURRENT IN USE      H.W.M.      CUSHION  SOS WAIT  ADDR
    0      2560K      192K  7.50%      364K  14.21%      100K  0  0  005CA000
  150-XA      4000K      92K  2.30%      1092K  27.30%      300K  0  0  0BA44000
  255-XA      2000K      696K  34.80%      960K  48.00%      0K    0  0  0BE2C000
```

Figure 3.21.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: SP  RESOURCE:      LINE:      1      08/23/94 19:40:28
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)  V10
  POOL      SIZE      CURRENT IN USE      H.W.M.      CUSHION  SOS WAIT  ADDR

FIELD MEANING
  POOL      STORAGE POOL NUMBER
  SIZE      : SIZE OF STORAGE POOL, IN K BYTES
  CURRENT   : STORAGE CURRENTLY IN USE, IN K BYTES
  H.W.M.    : HIGH WATER MARK, IN K BYTES AND %
  CUSHION   : SIZE OF STORAGE CUSHION, IN K BYTES
  SOS       : NUM OF TIMES SHORT-ON-STORAGE
  WAIT      : NUM OF WAITS ON STORAGE
  ADDR      : ADDRESS OF STORAGE

OTHER FUNCTIONS:
SELECTION CRITERIA
  PF 7/19  BACKWARD
  PF 8/20  FORWARD
  PF 9/21  REFRESH ON
  PF 3/15  REFRESHOFF
  PF19 -1 SEC
  PF20 +5 SECS

=====> TO VIEW SCT (#SCTDS) TYPE 'S' IN FIRST COLUMN
```

```
XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 3.21.2

### **3.21 SP Function - Subpool List**

FUNCTION **SP** displays details on any subpool defined in the CA-IDMS environment.

#### **AVAILABLE FEATURES:**

- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.21.1* shows the Primary Screen of FUNCTION **SP**. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.21.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. SCT, #SCTDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired subpool.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: ST  RESOURCE:          LINE:      1      08/22/94 19:46:23
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10
  OPTION "ST" (STATISTICS)

TO VIEW THE INFORMATION; TYPE IN 'FUNCTION' ONE OF THE FOLLOWING

      S1: SYSTEM STATISTICS

      S2: DATABASE STATISTICS

NOTE: THE STATISTICS WITH '/SEC' INDICATE THE RATIO PER SECOND
      SINCE THE LAST 'ENTER'
```

Figure 3.22.1

## **3.22 ST Function - System Statistics**

FUNCTION **ST** displays details on global DB and DC statistics and on system parameters of the CA-IDMS environment.

**ST** has two sub-FUNCTIONS (**S1** and **S2**) and these are shown in *Figure 3.22.1*. To get the Secondary Screen display related to the sub-FUNCTIONS, **S1** or **S2** must be entered in the FUNCTION field.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: S1  RESOURCE:                LINE: 1      08/22/94 19:46:37
MEM :        CMD :                    TOTAL: 0      PF1/PF13 (HELP)  V10
START ==> TIME 6:21:48.46 DATE: 94/234  ACTUAL ==> DATE: 94/234
TASK
TOT : 4946  TOT : 240  INTERNAL RLE RCE DPE
USR : 4255  HWM : 3    HWM : 1805 1780 288
ABN : 39    MAX ERUS : 10 SYSTEM: 3000 2800 700
AT MAX : 0  MAX BATCH: 10 ALLOC : 3375 3150 787
MAX TASK : 41 ERUS/SEC : ==>STACK :1200 HWM : 760
ACT TASK : 15 STORAGE GET : 208581 FREE : 208268
TASK/SEC : /SEC : /SEC :

STORAGE ==> SIZE: 8560K CUSHION: 400K SOS: 0 WAIT 0
CURRENT IN USE: 980K 11.44% LONG : 976K 99.59% SHORT: 4K 0.40%
H.W.M: 2416K 28.22% 2352K 27.47% 528K 6.16%

==> POOL:  SIZE  LOAD  NB  LOAD  OVERLAYING  HWM  LOAD/
          NB PGM  WAIT  FREE  NO-USE  IN-USE  SEC
PROGRAM  1500K  2249  0  100  2149  0  1500K
REENT    1628K  129  0  129  0  0  1253K
XA-PROG  2000K  2  0  2  0  0  1944K
XA-REENT 6204K  452  0  415  37  0  6204K

```

Figure 3.22.2

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: S1  RESOURCE:                LINE: 1      08/23/94 19:36:49
MEM :        CMD :                    TOTAL: 0      PF1/PF13 (HELP)  V10
THIS FUNCTION DISPLAYS SYSTEM STATISTICS AND SYSTEM PARAMETERS

DISPLAY INFORMATION ABOUT:                OTHER FUNCTIONS:
TASK ACTIVITY                            PF 9/21 REFRESH ON
ERUS ACTIVITY                            PF 3/15 REFRESHOFF
INTERNAL RESOURCES                        PF19 -1 SEC
PROGRAM POOL(S) ACTIVITY                 PF20 +5 SECS
STORAGE POOL ACTIVITY

ADDITIONAL INFORMATION WITH: /SEC

THE FIELDS WITH '/SEC' INDICATE THE RATIO PER SECOND
SINCE THE LAST 'ENTER'

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.22.3

## S1 Sub-function - DC Statistics and System Parameters

Sub-FUNCTION **S1** displays **DC** statistics and System parameters. Refer to *Figure 3.22.2* for this display and *Figure 3.22.3* for a description of the fields.

### **AVAILABLE FEATURES:**

- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

Note: At the bottom of the screen (*Figure 3.22.2*), 4 lines are reserved for the various pools. The program and re-entrant program pools are always displayed. Additionally, in MVS/XA and MVS/ESA environments the CA-IDMS XA pools will be displayed. In all cases a maximum of 4 pools are displayed.

### Section 3 - Detailed Description of Functions

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: S2  RESOURCE:          LINE:      1      08/22/94 19:47:01
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10
  START ==> TIME 6:21:48.46 DATE: 94/234  ACTUAL ==> DATE: 94/234

DB CALLS   :      733539          /SEC :

CALC NOFLO:      749          /SEC :
VIA NOFLO :     5515          /SEC :
CALC OVFL0:      261          /SEC :
VIA OVFL0  :      680          /SEC :

PAGE RQST  :     685631          /SEC :
PAGE READ  :     76081          /SEC :
PAGE WRITE :     5953          /SEC :

QUEUE. GET:      4498 PUT:      856 DEL:      603 GET/SEC :
SCRAC. GET:     18342 PUT:     28189 DEL:     28158 GET/SEC :

REC RQST   :     803973          REC CUR R/U :     530273
REC RELOC  :           0          FRAG STORD  :          114
```

Figure 3.22.4

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: S2  RESOURCE:          LINE:      1      09/20/94 08:11:00
MEM :          CMD :          TOTAL:      0      PF1/PF13 (HELP)  V10
  THIS FUNCTION DISPLAYS DATABASE STATISTICS

      DISPLAY INFORMATION ABOUT:

          DB CALL ACTIVITY
          PAGE ACTIVITY
          RECORD ACTIVITY
          OVERFLOW, NO-OVERFLOW ACTIVITY
          QUEUE, SCRATCH ACTIVITY

          OTHER FUNCTIONS:
          PF 9/21 REFRESH ON
          PF 3/15 REFRESHOFF
          PF19 -1 SEC
          PF20 +5 SECS

      ADDITIONAL INFORMATION WITH:      /SEC

          THE FIELDS WITH '/SEC' INDICATE THE RATIO PER SECOND
          SINCE THE LAST 'ENTER'

      XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 3.22.5

## S2 Sub-function - DB Statistics

Sub-FUNCTION **S2** displays **DB** statistics. Refer to *Figure 3.22.4* for this display and *Figure 3.22.5* for a description of the fields.

### **AVAILABLE FEATURES:**

- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

## Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: T      RESOURCE:      LINE:      1      08/22/94 19:47:25
MEM :      CMD :      TOTAL: 1340      PF1/PF13 (HELP)      V10
TASK  PROGRAM  DDNAM/V#  INP STA  RUNAW  STALL  R.T.I  PRI  CALL  DYN LOC
ABCD   UCFCRPT  CDMSLIB  YES ENA   10   600  1800 100    0 NO  ANY
ACFBLDIR ACFBLDIR  CDMSLIB  YES ENA   10   300  1800 100    4 NO  BEL
ACFDRIV1 GGGP9000  CDMSLIB  NO  ENA   10   300  1800 100    0 NO  BEL
ACFDRIV2 GGGP900I  CDMSLIB  YES ENA   10   300  1800 100    0 NO  BEL
ACFIDMS  VALDIDMS  CDMSLIB  NO  ENA   10   300  1800 100    0 NO  BEL
ACFVALID VLDACFA2  CDMSLIB  YES ENA   10   400  1800 100    0 NO  BEL
ADAI    ADAPMAIN  CDMSLIB  YES ENA   10   300  1800 100   302 NO  ANY
ADS     ADSORUN1  CDMSLIB  YES ENA   10   300  1800 100    9 NO  ANY
ADSA    ADSORUN1  CDMSLIB  YES ENA   10   OFF  1800 100   13 NO  ANY
ADSAT   ADSORUN1  CDMSLIB  YES ENA   10   300  1800 100    1 NO  ANY
ADSC    ADSORUN1  CDMSLIB  YES ENA   10   300  1800 100    5 NO  ANY
ADSCADSR ADSCADSR  CDMSLIB  YES ENA   10   300  1800 100    0 NO  ANY
ADSCT   ADSORUN1  CDMSLIB  YES ENA   10   300  1800 100    0 NO  ANY
ADSD    ADSOODSD  CDMSLIB  YES ENA   10   300  1800 100    1 NO  ANY
ADSK    ADSPCHEK  CDMSLIB  NO  ENA   10   300  1800 100    2 NO  ANY
ADSL    ADSORUN1  CDMSLIB  YES ENA   10   300  1800 100    1 NO  ANY
ADSM    ADSORUN1  CDMSLIB  YES ENA   10   300  1800 100    1 NO  ANY
ADSODBUG ADSODBUG  CDMSLIB  YES ENA   10   300  1800 100    0 NO  ANY
ADSOTATU ADSORUN1  CDMSLIB  YES ENA   10   300  1800 100    0 NO  ANY

```

Figure 3.23.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: T      RESOURCE:      LINE:      1      08/23/94 19:37:20
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)      V10
TASK  PROGRAM  DDNAM/V#  INP STA  RUNAW  STALL  R.T.I  PRI  CALL  DYN LOC

FIELD MEANING
TASK      : TASK CODE
PROGRAM   : PROGRAM INVOKED BY THE TASK
DDNAM/V# : PROGRAM VERSION
INPUT    : TASK DEFINED WITH 'INPUT' PARAMETER (YES/NO)
STAT     : TASK STATUS (ENABLED,DISABLED)
RUNAWAY  : RUNAWAY TIME IN WALL-CLOCK SECONDS
STALL    : STALL TIME IN WALL-CLOCK SECONDS
R.T.I    : RESOURCE TIMEOUT INTERVAL IN WALL-CLOCK SECONDS
PRI      : PRIORITY          SEC      : SECURITY
CALL     : NUMBER OF TIMES TASK WAS CALLED
DYN     : TASK DYNAMICALLY DEFINED (YES/NO)
LOC     : BEL: BELOW 16 MEG  ANY: ABOVE 16 MEG

=====> TO VIEW PDE (#PDTDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
E: VARY TASK IN SERVICE (ENABLE); D: VARY TASK OUT OF SERVICE (DISABLE)

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.23.2

### 3.23 T Function - Task List

FUNCTION T displays details on any task defined in the CA-IDMS environment.

SELECTION CAPABILITIES	RESOURCE	KEY
one task	task name	ENTER
all tasks	<i>blank</i>	ENTER
Generic tasks	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical/Horizontal Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)
- Attribute Updates (refer to Section 7)

*Figure 3.23.1* shows the Primary Screen of FUNCTION T. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.23.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. TDE, #TDTDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired task.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: T      RESOURCE:      LINE:      1      08/23/94 19:37:07
MEM :      CMD :      TOTAL: 1358      PF1/PF13 (HELP)      V10
TASK      PROGRAM DDNAM/V# INV      DBIO-LIM      LOCK-LIM      CALL-LIM STG-L PKEY
ABCD      UCFCRPT CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ACFBLDIR  ACFBLDIR CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ACFDRIV1  GGGP9000 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ACFDRIV2  GGGP900I CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ACFIDMS   VALDIDMS CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ACFVALID  VLDACFA2 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADAI      ADAPMAIN CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADS       ADSORUN1 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSA      ADSORUN1 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSAT     ADSORUN1 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSC      ADSORUN1 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSCADSR  ADSCADSR CDMSLIB INT      OFF      OFF      OFF      OFF      PF24
ADSCT     ADSORUN1 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSD      ADSOODSD CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSK      ADSPCHEK CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSL      ADSORUN1 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSM      ADSORUN1 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24
ADSODBUG  ADSODBUG CDMSLIB INT      OFF      OFF      OFF      OFF      PF24
ADSOTATU  ADSORUN1 CDMSLIB EXT      OFF      OFF      OFF      OFF      PF24

```

Figure 3.23.3

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: T      RESOURCE:      LINE:      1      08/23/94 19:37:37
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)      V10
TASK      PROGRAM DDNAM/V# INV      DBIO-LIM      LOCK-LIM      CALL-LIM STG-L PKEY

FIELD MEANING
TASK      : TASK CODE
PROGRAM   : PROGRAM INVOKED BY THE TASK
DDNAM/V# : PROGRAM VERSION
INV       : TASK INVOKED INT: INTERNAL EXT: EXTERNAL
DBIO-LIM : DB I/O LIMIT
LOCK-LIM : DB LOCK LIMIT
CALL-LIM : DB/DC CALL LIMIT
STG-L    : STORAGE LIMIT
PFKEY    : AID VALUE OF 3270 PRINT KEY

OTHER FUNCTIONS:
SEL. CRIT. = TOTALS
PF 7/19   BACKWARD
PF 8/20   FORWARD
PF10/22   LEFT
PF11/23   RIGHT
PF 9/21   REFRESH ON
PF 3/15   REFRESHOFF
PF19     -1 SEC
PF20     +5 SECS

=====> TO VIEW PDE (#PDTDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
E: VARY TASK IN SERVICE (ENABLE); D: VARY TASK OUT OF SERVICE (DISABLE)

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.23.4

There is a Secondary Screen available for the FUNCTION T, obtained by pressing PF11/PF23. *Figure 3.23.3* shows the Secondary Screen of FUNCTION T. A description of the fields appearing on the Secondary Screen is provided on the HELP screen shown in *Figure 3.23.4*.

Some attribute updates to the tasks are possible:

- enable (**E**) or disable (**D**) task

The bottom of *Figure 3.23.2* and *Figure 3.23.4* displays these update codes.

To update task(s) enter the appropriate code in the first position of the line(s) associated with the task(s) in question and hit ENTER. The screen will be re-displayed to indicate the effect of the change(s).

**Please note that multiple tasks can be updated simultaneously by using the appropriate single-character commands on pageable screen lists.**

### Section 3 - Detailed Description of Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: T      RESOURCE:          LINE:      1      08/22/94 19:47:59
MEM :          CMD :          TOTAL:      16      PF1/PF13 (HELP)      V10
TASK   PROGRAM  DDNAM/V#  INP STA RUNAW STALL R.T.I PRI  CALL  DYN LOC
C ADS
ADS     ADSORUN1 CDMSLIB  YES ENA   10   300  1800 100    9 NO  ANY
ADSA    ADSORUN1 CDMSLIB  YES ENA   10   OFF  1800 100   13 NO  ANY
ADSAT   ADSORUN1 CDMSLIB  YES ENA   10   300  1800 100    1 NO  ANY
ADSC    ADSORUN1 CDMSLIB  YES ENA   10   300  1800 100    5 NO  ANY
ADSCADSR ADSORUN1 CDMSLIB  YES ENA   10   300  1800 100    0 NO  ANY
ADSCT   ADSORUN1 CDMSLIB  YES ENA   10   300  1800 100    0 NO  ANY
ADSD    ADSOODSD  CDMSLIB  YES ENA   10   300  1800 100    1 NO  ANY
ADSK    ADSPCHEK  CDMSLIB  NO  ENA   10   300  1800 100    2 NO  ANY
ADSL    ADSORUN1 CDMSLIB  YES ENA   10   300  1800 100    1 NO  ANY
ADSM    ADSORUN1 CDMSLIB  YES ENA   10   300  1800 100    1 NO  ANY
ADSODBUG ADSODBUG  CDMSLIB  YES ENA   10   300  1800 100    0 NO  ANY
ADSOTATU ADSORUN1 CDMSLIB  YES ENA   10   300  1800 100    0 NO  ANY
ADSR    ADSOMAIN  CDMSLIB  NO  ENA   10   300  1800 100   269 NO  ANY
ADSRT   ADSOMAIN  CDMSLIB  NO  ENA   10   300  1800 100    4 NO  ANY
ADS2    ADSOMAIN  CDMSLIB  YES ENA   10   300  1800 100   579 NO  ANY
ADS2T   ADSOMAIN  CDMSLIB  YES ENA   10   300  1800 100    3 NO  ANY

TOTAL  CALL:      888

```

Figure 3.23.5

Totals are displayed only if a **Selection Criteria** has been specified.

The following additional statistics are displayed on the last line:

- Total number of tasks called.

A Totals display is illustrated in *Figure 3.23.5*.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: TC  RESOURCE:      LINE:      1      08/22/94 19:48:28
MEM :      CMD :      TOTAL: 135      PF1/PF13 (HELP)  V10
TASK  PROGRAM  DDNAM/V#  INP STA  RUNAW  STALL  R.T.I  PRI  CALL  DYN  LOC
ACFBLDIR  ACFBLDIR  CDMSLIB  YES  ENA    10   300  1800  100    4  NO  BEL
ADAI      ADAPMAIN  CDMSLIB  YES  ENA    10   300  1800  100   302 NO  ANY
ADS       ADSORUN1  CDMSLIB  YES  ENA    10   300  1800  100    9  NO  ANY
ADSA     ADSORUN1  CDMSLIB  YES  ENA    10   OFF  1800  100   13  NO  ANY
ADSAT    ADSORUN1  CDMSLIB  YES  ENA    10   300  1800  100    1  NO  ANY
ADSC     ADSORUN1  CDMSLIB  YES  ENA    10   300  1800  100    5  NO  ANY
ADSD     ADSOODSD  CDMSLIB  YES  ENA    10   300  1800  100    1  NO  ANY
ADSK     ADSPCHEK  CDMSLIB  NO   ENA    10   300  1800  100    2  NO  ANY
ADSL     ADSORUN1  CDMSLIB  YES  ENA    10   300  1800  100    1  NO  ANY
ADSM     ADSORUN1  CDMSLIB  YES  ENA    10   300  1800  100    1  NO  ANY
ADSR     ADSOMAIN  CDMSLIB  NO   ENA    10   300  1800  100   269 NO  ANY
ADSRT    ADSOMAIN  CDMSLIB  NO   ENA    10   300  1800  100    4  NO  ANY
ADS2     ADSOMAIN  CDMSLIB  YES  ENA    10   300  1800  100   579 NO  ANY
ADS2T    ADSOMAIN  CDMSLIB  YES  ENA    10   300  1800  100    3  NO  ANY
BYE      RHDCBYE   CDMSLIB  NO   ENA    10   300  1800  240   24  NO  BEL
CLOD     RHDCCLOD  CDMSLIB  YES  ENA    10   300  1800  100    1  NO  BEL
CPOTGIA1 CPOP906A  CDMSLIB  YES  ENA    10   300  1800  100    9  NO  ANY
CPOTOUV1 CPOP463B  CDMSLIB  YES  ENA    10   300  1800  100    4  NO  ANY
CSUR     ADSORUN1  CDMSLIB  NO   ENA    10   300  1800  100    2  NO  ANY

```

Figure 3.24.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: TC  RESOURCE:      LINE:      1      08/23/94 19:38:00
MEM :      CMD :      TOTAL: 0      PF1/PF13 (HELP)  V10
TASK  PROGRAM  DDNAM/V#  INP STA  RUNAW  STALL  R.T.I  PRI  CALL  DYN  LOC

FIELD MEANING
TASK      : TASK CODE
PROGRAM   : PROGRAM INVOKED BY THE TASK
DDNAM/V# : PROGRAM VERSION
INPUT    : TASK DEFINED WITH 'INPUT' PARAMETER (YES/NO)
STAT     : TASK STATUS (ENABLED,DISABLED)
RUNAWAY  : RUNAWAY TIME IN WALL-CLOCK SECONDS
STALL    : STALL TIME IN WALL-CLOCK SECONDS
R.T.I    : RESOURCE TIMEOUT INTERVAL IN WALL-CLOCK SECONDS
PRI      : PRIORITY          SEC      : SECURITY
CALL     : NUMBER OF TIMES TASK WAS CALLED
DYN      : TASK DYNAMICALLY DEFINED (YES/NO)
LOC      : BEL: BELOW 16 MEG  ANY: ABOVE 16 MEG

=====> TO VIEW PDE (#PDTDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
E: VARY TASK IN SERVICE (ENABLE); D: VARY TASK OUT OF SERVICE (DISABLE)

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.24.2

### 3.24 TC Function - Called Task List

FUNCTION TC displays details on any task defined in the CA-IDMS environment and called at least once.

SELECTION CAPABILITIES	RESOURCE	KEY
one task	task name	ENTER
all tasks	<i>blank</i>	ENTER
Generic tasks	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical/Horizontal Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)
- Totals (refer to Section 7)
- Attribute Updates (refer to Section 7)

*Figure 3.24.1* shows the Primary Screen of FUNCTION TC. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.24.2*.

Please note that the Primary Screen shows the source PDS or LOADAREA where each **initial** program is loaded from.

A screen displaying the memory contents of the CA-IDMS control block (i.e. TDE, #TDTDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired task.

### Section 3 - Detailed Description of Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: TC  RESOURCE:                LINE:      1      08/23/94 19:37:44
MEM :        CMD :                    TOTAL:    18      PF1/PF13 (HELP)  V10
TASK  PROGRAM DDNAM/V# INV  DBIO-LIM  LOCK-LIM  CALL-LIM STG-L PKEY
ACFBLDIR ACFBLDIR CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
CLOD     RHDCLOD CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
DCMT     RHDCMT00 CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
DECINIT  DECINIT  CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
GCATCHAR GCAP403A CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
GCATINIT GCAP484A CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
GUTCV    GUT0652D CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
IDMSEXIT IDMSEXIT CDMSLIB INT  OFF      OFF      OFF      OFF PF24
MADRID   INMADRID CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
PCTIM    IDMPCTIM CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
QUED     RHDCQUED CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
RHDCNP3S RHDCNP3S CDMSLIB INT  OFF      OFF      OFF      OFF PF24
SIGNON   SAAQSNON CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
SIGNON1  SAAQSNON CDMSLIB INT  OFF      OFF      OFF      OFF PF24
SLEACCP T SLEACCP T CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
SUBMIT   IDMPJCL1 CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
XOMT     IRMP0000 CDMSLIB EXT  OFF      OFF      OFF      OFF PF24
XOMT1    IRMP0000 CDMSLIB INT  OFF      OFF      OFF      OFF PF24

```

Figure 3.24.3

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: TC  RESOURCE:                LINE:      1      08/23/94 19:38:09
MEM :        CMD :                    TOTAL:     0      PF1/PF13 (HELP)  V10
TASK  PROGRAM DDNAM/V# INV  DBIO-LIM  LOCK-LIM  CALL-LIM STG-L PKEY

FIELD MEANING
TASK      : TASK CODE
PROGRAM   : PROGRAM INVOKED BY THE TASK
DDNAM/V# : PROGRAM VERSION
INV       : TASK INVOKED INT: INTERNAL EXT: EXTERNAL
DBIO-LIM : DB I/O LIMIT
LOCK-LIM : DB LOCK LIMIT
CALL-LIM : DB/DC CALL LIMIT
STG-L    : STORAGE LIMIT
PFKEY    : AID VALUE OF 3270 PRINT KEY

OTHER FUNCTIONS:
SEL. CRIT. = TOTALS
PF 7/19  BACKWARD
PF 8/20  FORWARD
PF10/22  LEFT
PF11/23  RIGHT
PF 9/21  REFRESH ON
PF 3/15  REFRESHOFF
PF19    -1 SEC
PF20    +5 SECS

=====> TO VIEW PDE (#PDTDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
E: VARY TASK IN SERVICE (ENABLE); D: VARY TASK OUT OF SERVICE (DISABLE)

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'

```

Figure 3.24.4

There is a Secondary Screen available for the FUNCTION TC, obtained by pressing PF11/PF23. *Figure 3.24.3* shows the Secondary Screen of FUNCTION TC. A description of the fields appearing on the Secondary Screen is provided on the HELP screen shown in *Figure 3.24.4*.

Some attribute updates to the tasks are possible:

- enable (**E**) or disable (**D**) task

The bottom of *Figure 3.24.2* and *Figure 3.24.4* displays these update codes.

To update task(s) enter the appropriate code in the first position of the line(s) associated with the task(s) in question and hit ENTER. The screen will be re-displayed to indicate the effect of the change(s).

**Please note that multiple tasks can be updated simultaneously by using the appropriate single-character commands on pageable screen lists.**

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: TC  RESOURCE:      LINE:      1      08/22/94 19:48:47
MEM :      CMD :      TOTAL:      12      PF1/PF13 (HELP)  V10
C  TASK      PROGRAM  DDNAM/V#  INP STA  RUNAW  STALL  R.T.I  PRI  CALL  DYN LOC
ADS      ADSORUN1  CDMSLIB  YES  ENA   10   300   1800  100   9  NO  ANY
ADSA     ADSORUN1  CDMSLIB  YES  ENA   10   OFF   1800  100   13 NO  ANY
ADSAT    ADSORUN1  CDMSLIB  YES  ENA   10   300   1800  100   1  NO  ANY
ADSC     ADSORUN1  CDMSLIB  YES  ENA   10   300   1800  100   5  NO  ANY
ADSD     ADSOODSD  CDMSLIB  YES  ENA   10   300   1800  100   1  NO  ANY
ADSK     ADSPCHEK  CDMSLIB  NO   ENA   10   300   1800  100   2  NO  ANY
ADSL     ADSORUN1  CDMSLIB  YES  ENA   10   300   1800  100   1  NO  ANY
ADSM     ADSORUN1  CDMSLIB  YES  ENA   10   300   1800  100   1  NO  ANY
ADSR     ADSOMAIN  CDMSLIB  NO   ENA   10   300   1800  100  269 NO  ANY
ADSRT    ADSOMAIN  CDMSLIB  NO   ENA   10   300   1800  100   4  NO  ANY
ADS2     ADSOMAIN  CDMSLIB  YES  ENA   10   300   1800  100  579 NO  ANY
ADS2T    ADSOMAIN  CDMSLIB  YES  ENA   10   300   1800  100   3  NO  ANY

TOTAL  CALL:      888
```

Figure 3.24.5

Totals are displayed only if a **Selection Criteria** has been specified.

The following additional statistics are displayed on the last line:

- Total number of tasks called.

A Totals display is illustrated in *Figure 3.24.5*.

### Section 3 - Detailed Description of Functions

---

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: U      RESOURCE:      LINE:      1      08/22/94 19:49:12
MEM :      CMD :      TOTAL:      1      PF1/PF13 (HELP)  V10
  LINE      PTERM      LTERM      USER      N-TASK
  UCFLINE   UCFTP02   UCFLT02   BEJ47   XOMT
```

Figure 3.25.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 ***
FUNCTION: U      RESOURCE:      LINE:      1      08/23/94 19:38:22
MEM :      CMD :      TOTAL:      0      PF1/PF13 (HELP)  V10
  LINE      PTERM      LTERM      USER      N-TASK

FIELD MEANING
  LINE      : LINE NAME
  PTERM     : PTERMINAL IDENTIFICATION
  LTERM     : LTERMINAL IDENTIFICATION
  USER      : USER-ID
  N-TASK    : NEXT-TASK

OTHER FUNCTIONS:
SELECTION CRITERIA
PF 7/19  BACKWARD
PF 8/20  FORWARD
PF 9/21  REFRESH ON
PF 3/15  REFRESHOFF
PF19 -1 SEC
PF20 +5 SECS

=====> TO VIEW SON (#SONDS) TYPE 'S' IN FIRST COLUMN

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 3.25.2

### 3.25 U Function - Signed-on User List

FUNCTION U displays details on any user defined in the CA-IDMS environment, who is active in the system (i.e. signed-on).

SELECTION CAPABILITIES	RESOURCE	KEY
one user	user name	ENTER
all users	<i>blank</i>	ENTER
Generic users	Generic Mask (refer to Section 4)	

#### AVAILABLE FEATURES:

- Selection Criteria (refer to Section 5)
- Memory Display (refer to Section 6)
- Vertical Scrolling (refer to Section 7)
- Automatic Screen Refresh (refer to Section 7)
- Global/Selective HELP (refer to Section 7)

*Figure 3.25.1* shows the Primary Screen of FUNCTION U. A description of the fields appearing on the Primary Screen is provided on the HELP screen shown in *Figure 3.25.2*.

A screen displaying the memory contents of the CA-IDMS control block (i.e. SON, #SONDS) can be viewed by typing an "S" in the first position of the line corresponding to the desired User.

**Section 3 - Detailed Description of Functions**

---

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# **Section 4 - Generic Mask Specification**

---

## Section 4 - Generic Mask Specification

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC      RESOURCE: IRM*****          LINE:      1      08/22/94 19:49:54
MEM :            CMD :                          TOTAL:     3      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO  DY  LOAD  CALL  SIZE
IRMAP001 CDMSLIB  LOADLIB  UND  ASM ENA FUL NO YES  N   1   572  4920
IRMP0000 CDMSLIB  LOADLIB  PRO  ASM ENA FUL NO NO   N   1   340  90480
IRMP0004 CDMSLIB  LOADLIB  PRO  ASM ENA FUL NO NO   N   1     1  35744
```

Figure 4.0.1

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: LT      RESOURCE: L03A5012          LINE:      1      08/22/94 19:50:53
MEM :            CMD :                          TOTAL:     1      PF1/PF13 (HELP)  V10
LTERM-ID PTERM-ID PLINE-ID TYPE  STATUS RDB N-TASK AUTOTASK
L03A5012 I03A5012 VTAM10  PRINT INSRV YES
```

Figure 4.0.2

The **Generic Mask** feature limits and accelerates searches on predefined resources, in conjunction with a uniform naming convention, or with a resource one does not know the exact name of.

The **Generic Mask** Specification is most useful when many occurrences of a specific resource type exist (programs, tasks, terminals, etc.) The following mask characters are specified in the RESOURCE: field of the applicable FUNCTIONS' primary screen:

- Any character string (i.e. MATCHES)
- @ Alphabetic characters (i.e. MASK)
- # Numeric characters (i.e. MASK)
- \* Alphanumeric characters (i.e. MASK)

The mask specification is applied to the resource name by inserting the mask characters in the appropriate positions (**Note: All positions of this field must be filled based on the maximum length of the particular resource type**). An example of such a specification is shown in *Figure 4.0.1*.

The complete and exact specification of a resource name (i.e. without any mask characters) will result in a single output line for the FUNCTION. See *Figure 4.0.2* for an example of such a specification.

## Section 4 - Generic Mask Specification

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC    RESOURCE: %ma          LINE:      1    08/22/94 19:52:13
MEM :          CMD :          TOTAL:    826    PF1/PF13 (HELP)    V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY  LOAD  CALL  SIZE
$ACF@TAT CDMSLIB PRIMARY TBL ASM ENA FUL NO YES N   2    82    892
$TOOLTFCF CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   702    920
ACFBLDIR CDMSLIB LOADLIB PRO ASM ENA FUL NO NO  N   1    4   1096
ACF2EX02 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N   2    2    424
ADAHABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   10  32536
ADAHGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1    1   6144
ADAHTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1    2  17864
ADAMABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   380   5272
ADAMFIND CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1    8   4504
ADAMGOP1 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   60  2192
ADAMGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   37  1608
ADAMGREC CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   28  3776
ADAMSUMM CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1    4  2824
ADAMTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   98  3728
ADAPABLD CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N   1  234  9560
ADAPAGNM CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N   1  906 108152
ADAPFIND CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N   1    6  2472
ADAPGOP1 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N   1   50  2416
ADAPGOP2 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N   1   26  1864

```

Figure 4.0.3

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC    RESOURCE: %MA          LINE:      1    08/22/94 19:52:38
MEM :          CMD :          TOTAL:    52    PF1/PF13 (HELP)    V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY  LOAD  CALL  SIZE
ADAMABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   380   5272
ADAPMAIN CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N   1   466   3928
ADSAMADD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1    8   2472
ADSCMAPD CDMSLIB LOADLIB DIA ADS ENA FUL NO YES N   1   18  77832
ADSCMAPM CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   14  2552
ADSOMAIN CDMSLIB LOADLIB PRO ASM ENA FUL NO NO  N   1  926 120464
DBGMAT   CDMSLIB LOADLIB UND ASM ENA FUL NO YES N   1   20   5208
DBUGMAIN CDMSLIB LOADLIB PRO ASM ENA FUL NO NO  N   1   43  89368
EMAAGCGL CDMSLIB LOADLIB MAP ASM ENA FUL NO YES N   1    2   4600
EMAAGCGL V0011 LOADLIB UND ASM ENA FUL NO YES N   1    2   4600
EMAAGCME CDMSLIB LOADLIB MAP ASM ENA FUL NO YES N   1    4   2696
EMAAMENU CDMSLIB LOADLIB MAP ASM ENA FUL NO YES N   1    2   2760
EMADGCGL CDMSLIB LOADLIB DIA ADS ENA FUL NO YES N   1   10  66408
EMADGCGL V0011 LOADLIB DIA ADS ENA FUL NO YES N   1    8  64864
EMADGCGL V0331 PRIMARY DIA ADS ENA FUL NO YES N   1    3  66404
EMADGCGL V1011 PRIMARY DIA ADS ENA FUL NO YES N   1    1  64860
EMADGCME CDMSLIB PRIMARY DIA ADS ENA FUL NO YES N   1   15  44316
EMADMENU CDMSLIB PRIMARY DIA ADS ENA FUL NO YES N   1    5  28120
EMAPMESA CDMSLIB LOADLIB PRO COB ENA QUA NO YES N   3    4  29624

```

Figure 4.0.4

Additionally the RESOURCE: field is used for partial key retrieval.

- % followed immediately by any character string (i.e. CONTAINS)

The % must be in the first position and the character string can be of any length, up to the maximum length (minus one) of the particular resource.

Contrary to the other mask characters, the % cannot be used with any other *special* characters. An example of such a specification is shown in *Figure 4.0.3* and the results are shown in *Figure 4.0.4*.

**NOTE:** A **Generic Mask** Specification can be used simultaneously with a **Selection Criteria** specification.

**Section 4 - Generic Mask Specification**

---

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# **Section 5 - Selection Criteria Specification**

---

## Section 5 - Selection Criteria Specification

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC  RESOURCE:          LINE:      1      08/22/94 19:53:38
MEM :          CMD :          TOTAL:    826      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM      TYP  LAN  STA  REE  RES  PRO  DY  LOAD  CALL  SIZE
C
$ACF@TAT CDMSLIB  PRIMARY  TBL  ASM  ENA  FUL  NO  YES  N    2    82    892
$TOOLTCF CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1   702    920
ACFBLDIR CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  NO   N    1    4   1096
ACF2EX02 CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  YES  YES  N    2    2    424
ADAHABLD CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1   10  32536
ADAHGOP2 CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1    1   6144
ADAHTCOD CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1    2  17864
ADAMABLD CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1   380   5272
ADAMFIND CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1    8   4504
ADAMGOP1 CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1   60  2192
ADAMGOP2 CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1   37   1608
ADAMGREC CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1   28   3776
ADAMSUMM CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1    4   2824
ADAMTCOD CDMSLIB  LOADLIB  UND  ASM  ENA  FUL  NO  YES  N    1   98   3728
ADAPABLD CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1   234   9560
ADAPAGNM CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1   906 108152
ADAPFIND CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1    6   2472
ADAPGOP1 CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1   50   2416
TOTAL LOAD:    2729 CALL:    55082 LO/C:    4.95% ABND:    4 SIZE: 18986K

```

Figure 5.0.1

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC  RESOURCE:          LINE:      1      08/22/94 19:55:05
MEM :          CMD :          TOTAL:     12      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM      TYP  LAN  STA  REE  RES  PRO  DY  LOAD  CALL  SIZE
C ADS
ADSCDCOM CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1    8  16192
ADSCDSTB CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1    8   2248
ADSCCTCFP CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1    2    800
ADSCXCTL CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1    5   152
ADSOAGMS CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  NO   N    1   140   864
ADSOCDGN CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1    5 146392
ADSODBUG CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  NO   N    1    1  10936
ADSOEDIT CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1   441 13992
ADSOGEN2 CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  NO   N    1   120 182488
ADSOMAIN CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  NO   N    1   926 120464
ADSORUN1 CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  NO   N    1    80   9328
ADSPCHEK CDMSLIB  LOADLIB  PRO  ASM  ENA  FUL  NO  YES  N    1   14   5400

TOTAL LOAD:    12 CALL:    1750 LO/C:    0.68% ABND:    0 SIZE: 497K

```

Figure 5.0.2

The **Selection Criteria** feature displays information tailored to each User's needs. In effect, to filter unwanted data or focus on a particular area of interest the User selects a subset of the current screen display using Boolean algebra. Selection takes place for each column (i.e. field) and multiple columns can be selected simultaneously which results in an implicit **AND** between columns. The following rules apply.

**Numeric fields** allow:

- ">", greater than or equal
- "<", less than
- "" (blank), equal

The digits in **Numeric fields** must be right-justified over their respective column(s).

**Note: Numeric specifications are POSITIONAL and must be MANUALLY entered in such a way so that the digits align (right-justified) with the currently-displayed column(s) of digits.**

**Alphanumeric fields** require:

- Literal values that are not necessarily POSITIONAL, but must still be entered somewhere within the width of the currently-displayed column(s)

These steps must be followed to use **Selection Criteria**:

- Type the letter "C" in the leftmost position of the first display line, then erase the rest of the description (EOF) and hit ENTER. Refer to *Figure 5.0.1* for an example.
- Type the required criteria on top of the applicable column(s), on the first display line, using the arrow keys to position the cursor.
- Press the ENTER key to view the results.

## Section 5 - Selection Criteria Specification

---

An alternate method of using **Selection Criteria** would be to:

- Type the letter "C" in the leftmost position of the first display line and immediately type the required criteria on top of the applicable column(s) and then hit ENTER. **BLANKS must be inserted between intervening fields.**

Additionally, a **Selection Criteria** will produce meaningful column totals, where applicable, for the current specification(s).

*Figure 5.0.2* shows the result of a sample selection. The result is a list of all programs written in ASSEMBLER, loaded at least once and having a load module size greater than or equal to 100,000 bytes. Totals are displayed on the last line.

**NOTE:** A **Generic Mask** Specification can be used simultaneously with a **Selection Criteria** specification.

# **Section 6 - Memory Display**

## Section 6 - Memory Display

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC    RESOURCE: IRM*****          LINE:      1    08/22/94 19:55:59
MEM :          CMD :          TOTAL:      3    PF1/PF13 (HELP)    V10
PROGRAM DDNAM/V# FROM    TYP LAN STA REE RES PRO DY LOAD CALL SIZE
IRMAP001 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 600 4920
s IRMP0000 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 354 90480
IRMP0004 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 1 35744

```

Figure 6.1.1

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC    RESOURCE: IRM*****          LINE:      1    08/22/94 19:56:18
MEM :          CMD :          TOTAL:      0    PF1/PF13 (HELP)    V10
<ADDR> <OFFSET>          << HEXADECIMAL >>          << DECIMAL >>
00135AA0 00000000 . C9D9D4D7 F0F0F0F0 0009E8F0 40400002 *IRMP0000..Y0 ..*
00135AB0 00000010 . 00000000 00000000 00000000 40000000 *.....*
00135AC0 00000020 . 00000000 13000000 40000000 002B06CC *.....*
00135AD0 00000030 . 14000000 80296674 00296674 00000000 *.....*
00135AE0 00000040 . 00000000 00135B8C 0009E7A8 00000000 *.....$.X....*
00135AF0 00000050 . 00010000 00000000 01000000 04E00000 *.....\..*
00135B00 00000060 . 00050000 00000000 00016170 004DEA00 *...../..(..*
00135B10 00000070 . 03000000 00938FA0 C9D9D4D7 F0F0F0F0 *.....IRMP0000*
00135B20 00000080 . 00021701 002C0003 01000000 0000C2E2 *.....BS*
00135B30 00000090 . 01617034 78000000 88030201 00000000 */.....*
00135B40 000000A0 . 00000000 00000000 00000000 00000000 *.....*
00135B50 000000B0 . 00000000 00000000 00000000 00000000 *.....*
00135B60 000000C0 . 00000000 00000000 00000000 00000000 *.....*
00135B70 000000D0 . 00000000 00000000 00000000 00000000 *.....*
00135B80 000000E0 . 00000000 00000000 00000000 06000000 *.....*
00135B90 000000F0 . 00000000 00000163 00000001 00000000 *.....*
00135BA0 00000100 . 00000000 C9D9D4D7 F0F0F0F4 0009E8F0 *....IRMP0004..Y0*
00135BB0 00000110 . 40400002 00000000 00000000 00000000 *.....*
00135BC0 00000120 . 40000000 00000000 13000000 40000000 *.....*

```

Figure 6.1.2

## **6.1 Utilization**

In order to display a particular resource's associated control block, a Memory Display feature is available for most **FUNCTIONS** where control blocks are applicable. A list of the **FUNCTIONS** having the Memory Display capability is given in *Figure 3.0.3* of **Section 3**.

To use Memory Display:

- Produce a **FUNCTION**'s output display
- Type an "S" in the first position of the line corresponding to the resource to be displayed
- Hit ENTER

*Figure 6.1.1* shows an example of a memory display being selected for a resource. The result of this operation is shown in *Figure 6.1.2*. The corresponding memory contents are displayed on the screen in both hexadecimal and decimal format. At the left of the screen the memory address and displacement of each line of memory is displayed.

**A full page displays 304 bytes of memory (19 lines, 16 bytes per line).**

## Section 6 - Memory Display

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC      RESOURCE: IRM*****          LINE:      1      08/22/94 19:56:18
MEM : @6c        CMD :                          TOTAL:     0      PF1/PF13 (HELP)  V10
<ADDR> <OFFSET>          << HEXADECIMAL >>          << DECIMAL >>
00135AA0 00000000 . C9D9D4D7 F0F0F0F0 0009E8F0 40400002 *IRMP0000..Y0 ..*
00135AB0 00000010 . 00000000 00000000 00000000 40000000 *.....*
00135AC0 00000020 . 00000000 13000000 40000000 002B06CC *.....*
00135AD0 00000030 . 14000000 80296674 00296674 00000000 *.....*
00135AE0 00000040 . 00000000 00135B8C 0009E7A8 00000000 *.....$.X.....*
00135AF0 00000050 . 00010000 00000000 01000000 04E00000 *.....\.....*
00135B00 00000060 . 00050000 00000000 00016170 004DEA00 *...../..(..*
00135B10 00000070 . 03000000 00938FA0 C9D9D4D7 F0F0F0F0 *.....IRMP0000*
00135B20 00000080 . 00021701 002C0003 01000000 0000C2E2 *.....BS*
00135B30 00000090 . 01617034 78000000 88030201 00000000 *./.....*
00135B40 000000A0 . 00000000 00000000 00000000 00000000 *.....*
00135B50 000000B0 . 00000000 00000000 00000000 00000000 *.....*
00135B60 000000C0 . 00000000 00000000 00000000 00000000 *.....*
00135B70 000000D0 . 00000000 00000000 00000000 00000000 *.....*
00135B80 000000E0 . 00000000 00000000 00000000 06000000 *.....*
00135B90 000000F0 . 00000000 00000163 00000001 00000000 *.....*
00135BA0 00000100 . 00000000 C9D9D4D7 F0F0F0F4 0009E8F0 *....IRMP0004..Y0*
00135BB0 00000110 . 40400002 00000000 00000000 00000000 *.....*
00135BC0 00000120 . 40000000 00000000 13000000 40000000 *.....*

```

Figure 6.2.1

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC      RESOURCE: IRM*****          LINE:      1      08/22/94 19:56:18
MEM :             CMD :                          TOTAL:     0      PF1/PF13 (HELP)  V10
<ADDR> <OFFSET>          << HEXADECIMAL >>          << DECIMAL >>
00135AA0 00000000 . C9D9D4D7 F0F0F0F0 0009E8F0 40400002 *IRMP0000..Y0 ..*
00135AB0 00000010 . 00000000 00000000 00000000 40000000 *.....*
00135AC0 00000020 . 00000000 13000000 40000000 002B06CC *.....*
00135AD0 00000030 . 14000000 80296674 00296674 00000000 *.....*
00135AE0 00000040 . 00000000 00135B8C 0009E7A8 00000000 *.....$.X.....*
00135AF0 00000050 . 00010000 00000000 01000000 04E00000 *.....\.....*
4 00135B00 00000060 . 00050000 00000000 00016170 004DEA00 *...../..(..*
00135B10 00000070 . 03000000 00938FA0 C9D9D4D7 F0F0F0F0 *.....IRMP0000*
00135B20 00000080 . 00021701 002C0003 01000000 0000C2E2 *.....BS*
00135B30 00000090 . 01617034 78000000 88030201 00000000 *./.....*
00135B40 000000A0 . 00000000 00000000 00000000 00000000 *.....*
00135B50 000000B0 . 00000000 00000000 00000000 00000000 *.....*
00135B60 000000C0 . 00000000 00000000 00000000 00000000 *.....*
00135B70 000000D0 . 00000000 00000000 00000000 00000000 *.....*
00135B80 000000E0 . 00000000 00000000 00000000 06000000 *.....*
00135B90 000000F0 . 00000000 00000163 00000001 00000000 *.....*
00135BA0 00000100 . 00000000 C9D9D4D7 F0F0F0F4 0009E8F0 *....IRMP0004..Y0*
00135BB0 00000110 . 40400002 00000000 00000000 00000000 *.....*
00135BC0 00000120 . 40000000 00000000 13000000 40000000 *.....*

```

Figure 6.2.2

---

## 6.2 Memory Navigation

It is possible to search for specific data after a Memory Display has been produced and displayed on the screen. This is done either through the use of the "MEM": field which appears near the top left corner of the screen, or by using the first position of each display line. Both methods are described below.

This is followed by discussions of the Saved Address Table and extended PF key assignments.

### MEM: field

- **Character String**

To locate a specific string of characters, the string (must be 8 characters long) is typed in the MEM: field. For shorter strings, a mask must be used to fill the remaining positions. (See Section 4 for description of the masks.)

Examples:

```
MEM: IDMSNWKA
MEM: IDMS****
MEM: IDMS##**
```

- **Displacements**

If known, the address of the data or its displacement within the resource can be used to locate the desired data. The following three addressing modes are available to facilitate memory navigation:

- **Specific address**

```
MEM: 34C8F0
```

- **Positive/negative displacement**

```
MEM: +1C4, or -98
```

- **Indirect address**

```
MEM: @6C
```

(*Figure 6.2.1* illustrates how to access a program's load module which is at displacement X'6C' within the PDE).

- **Indexed Addressing**

Since the hexadecimal display is made up of four fullwords per line, the number (1 to 4) corresponding to

## Section 6 - Memory Display

---

the word to be used as an address is typed in the first position of the corresponding line. The resulting display is the contents of the address specified by the first, second, third or fourth word. *Figure 6.2.2* illustrates the use of this feature.

### Saved Address Table

An internal table of up to 40 entries is built and maintained while using the Memory Display features. These entries contain the first 40 addresses to be accessed by the User.

### Extended PF key assignments

The following PF keys are used specifically with the Saved Address Table:

- PF4/PF16: Prior address
- PF5/PF17: Next address (Following PF4/PF16 or PF6/PF18)
- PF6/PF18: First address

#### Memory Navigation examples:

- 1) An active task is in a WAIT state and the DBA wishes to view the storage allocations for it. The following actions could be taken:

Select the task from the **R3** function by typing an "S" in the first position of the task in question.

Since this is the TCE, the first RLE can be accessed either by typing **MEM: @08** or typing a **3** in the first position of the first line in the displayed memory.

From the RLE, the associated RCE can be accessed either by typing **MEM: @08** or typing a **3** in the first position of the first line in the displayed memory. If this RCE is of the type STORAGE, the memory contents are verified.

Otherwise, PF4/PF16 is used to return to the first RLE.

From the first RLE, the next RLE can be accessed either by typing **MEM: @04** or typing a **2** in the first position of the first line in the displayed memory.

From this RLE, its associated RCE can be accessed either by typing **MEM: @08** or typing a **3** in the first position of the first line in the displayed memory. If This RCE is of the type STORAGE, the memory contents are verified. Otherwise the process is continued.

To review (i.e., re-play) the previous sequence of events, PF6/PF18 would re-display the TCE. From there PF5/PF17 and PF4/PF16 can be used.

- 2) To navigate the subschema table structures (IB51, SR51, or OR52, etc.) the Memory Display feature is used to build the Saved Address Table.

# **Section 7 - Other Functions**

---

This chapter describes additional functions provided by XOMT to supplement the major functions. A list of the functions is given in *Figure 3.0.3* of **Section 3**.

## Section 7 - Other Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC    RESOURCE:          LINE:      1    08/22/94 19:57:50
MEM :          CMD :          TOTAL:    826    PF1/PF13 (HELP)    V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
$ACF@TAT CDMSLIB PRIMARY TBL ASM ENA FUL NO YES N 2 82 892
$TOOLTFCF CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 702 920
ACFBLDIR CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 4 1096
ACF2EX02 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 2 2 424
ADAHABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 10 32536
ADAHGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 1 6144
ADAHTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 2 17864
ADAMABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 380 5272
ADAMFIND CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 8 4504
ADAMGOP1 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 60 2192
ADAMGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 37 1608
ADAMGREC CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 28 3776
ADAMSUMM CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 4 2824
ADAMTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 98 3728
ADAPABLD CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 234 9560
ADAPAGNM CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 906 108152
ADAPFIND CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 6 2472
ADAPGOP1 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 50 2416
ADAPGOP2 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 26 1864

```

Figure 7.1.1

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC    RESOURCE:          LINE:     20    09/20/94 08:11:43
MEM :          CMD :          TOTAL:     75    PF1/PF13 (HELP)    V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
GUT0122X CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 1 2 5256
GUT0651D CDMSLIB LOADLIB PRO ASM ENA NO NO NO N 1 1 14112
GUT0652D CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 1 1056
GUT0655D CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 1 6904
GUT0658D CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 1 264
IDMACFNA CDMSLIB LOADLIB MAP ASM ENA FUL NO NO N 1 10 1992
IDMCVPAR CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 1 2216
IDMPCTIM CDMSLIB LOADLIB PRO ASM ENA FUL YES NO N 1 2 456
IDMPJCL1 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 1 1400
IDMSCATL CDMSLIB LOADLIB SUB ASM ENA FUL NO NO N 1 1 4112
IDMSCOMP CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 2 17 1552
IDMSDCOM CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 2 18 976
IDMSDMCL CDMSLIB LOADLIB PRO ASM ENA NO NO NO N 1 1 121152
IDMSEXIT CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 1 2720
IDMSEX04 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 1 2 7368
IDMSEX05 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 2 2 7992
IDMSEX14 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 1 2 632
IDMSEX16 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 2 2 552
IDMSEX17 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 2 2 200

```

Figure 7.1.2

## 7.1 Vertical Scrolling

The Vertical Scrolling function allows the user to view more information (going forward one page), or to review information (going backward one page).

A complete page consists of 19 lines of information.

### Function keys

- PF7/PF19: Scroll backward 1 complete page
- PF8/PF20: Scroll forward 1 complete page

When Vertical Scrolling is activated, the **LINE** field contains the occurrence number of the resource appearing on the first line of the current display. The total number of occurrences is given in the **TOTAL** field. *Figure 7.1.1* gives an example of the values appearing in these two fields.

The user has the option of typing directly into the **LINE** field the occurrence number at which the display should start. This effectively allows the user to scroll through the list of resources at the user's own pace. Care must be taken to use the EOF key to erase the previous value from the field, after one has keyed in the new value. The default value for **LINE** is 1. *Figure 7.1.2* illustrates this facility.

**IMPORTANT!**

When the Selection Criteria is used, care must be taken to insure that the **LINE** value is less than or equal to the **TOTAL** value corresponding to the user's Selection Criteria, otherwise, a blank display will appear. To obtain a complete display, the user must type the value 1 in the **LINE** field, or use the PF7/PF19 key to scroll backward.

## Section 7 - Other Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: AR   RESOURCE:          LINE:      1      08/22/94 19:58:25
MEM :          CMD :              TOTAL:    249      PF1/PF13 (HELP)    V10
AREA NAME -----          STA  PAGESZ  LO-PAGE  HI-PAGE  PGGRP  TYPE
CATSYS.DDL CAT          UPD    5064  16060001 16060400      0  S
CATSYS.DDL CATX          UPD    5064  16065001 16065100      0  S
CATSYS.DDL CATLOD        UPD    5064  16070001 16073000      0  S
DDDOC.DDL DML           RET   11476   35001    47000      0  S
DICTES.DDL DML           RET   10796   2040001 2085000      0  S
DICTTEST.DDL DML         UPD   11476   200001   236000      0  S
DLODTEST.DDL DCLOD       UPD    7476    9001     9900      0  S
DMLO.USD-DATA-AREA       UPD    3476   75000    76499      0  S
GEICRPT.GEII R01-REQPRO  RET   15476   2401001 2401125      0  S
GEICRPT.GEII R03-PROCON  RET   15476   2403001 2403125      0  S
GGGTEST.GGGI R02-DECIS   UPD    4276   1402001 1402020      0  S
GGGTEST.GGGI R03-CLEPER  UPD    4276   1403001 1403060      0  S
GGGTEST.GGGI R04-DEMPER  UPD   15476   1404001 1404010      0  S
GGGTEST.GGGI R05-HISADR  UPD   15476   1405001 1405020      0  S
GGGTEST.GGGI R06-INDX    UPD   15476   1406001 1406002      0  S
GGGTEST.GGGI R07-CLEVEH  UPD   15476   1407001 1407240      0  S
GGGTEST.GGGI R08-CLEPLA  UPD    4276   1408001 1408040      0  S
GGGTEST.GGGI R09-PERATT  UPD   15476   1409001 1409010      0  S
GGGTEST.GGGI R10-ANCNOM  UPD   15476   1410001 1410010      0  S

```

Figure 7.2.1

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: AR   RESOURCE:          LINE:      1      08/22/94 19:58:37
MEM :          CMD :              TOTAL:    249      PF1/PF13 (HELP)    V10
AREA NAME-----          BUFFER          READ  WRIT  BUFFER  RATIO
CATSYS.DDL CAT          BUGENERAL          118    1    155    2.31
CATSYS.DDL CATX          BUGENERAL           3    1     2    1.66
CATSYS.DDL CATLOD        BUGENERAL           3    1     0    1.00
DDDOC.DDL DML           BUGENERAL-02        0    0     0    0.00
DICTES.DDL DML           BUDICTDB            0    0     0    0.00
DICTTEST.DDL DML         BUDICTDB          33561 3236 273926 9.16
DLODTEST.DDL DCLOD       BUGENERAL           2    1     1    1.50
DMLO.USD-DATA-AREA       BUGENERAL          263   130  2056   8.81
GEICRPT.GEII R01-REQPRO  BUGENERAL-02        0    0     0    0.00
GEICRPT.GEII R03-PROCON  BUGENERAL-02        0    0     0    0.00
GGGTEST.GGGI R02-DECIS   BUGENERAL           2    2     4    3.00
GGGTEST.GGGI R03-CLEPER  BUGENERAL          18   13    58   4.22
GGGTEST.GGGI R04-DEMPER  BUGENERAL-02        1    1     0    1.00
GGGTEST.GGGI R05-HISADR  BUGENERAL-02       16    3    11   1.68
GGGTEST.GGGI R06-INDX    BUGENERAL-02        1    1     0    1.00
GGGTEST.GGGI R07-CLEVEH  BUGENERAL-02       147   55  1195   9.12
GGGTEST.GGGI R08-CLEPLA  BUGENERAL           82   12   131   2.59
GGGTEST.GGGI R09-PERATT  BUGENERAL-02       117    1   217   2.85
GGGTEST.GGGI R10-ANCNOM  BUGENERAL-02        3    1     1   1.33

```

Figure 7.2.2

## **7.2 Horizontal Scrolling**

The Horizontal Scrolling function allows the user to view information to the right or to the left of the current display, like a window moving over the data.

### **Function keys**

PF10/PF22: Left scrolling

PF11/PF23: Right scrolling

This function is available with selected major functions (see *Figure 3.0.3* for details).

To demonstrate the use of Horizontal Scrolling, *Figure 7.2.1* shows the first screen for the **AR** FUNCTION and *Figure 7.2.2* is the Secondary Display obtained after the user has pressed the PF11/PF23 key.

<p><b>NOTE:</b>      <b>Horizontal Scrolling can be used even after <u>Generic Mask</u> and/or <u>Selection Criteria</u> have been specified.</b></p>
---

## Section 7 - Other Functions

---

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: S2  RESOURCE:                LINE:    1      08/22/94 19:59:31
MEM :                CMD :                TOTAL:    0      PF1/PF13 (HELP)  V10
  START ==> TIME  6:21:48.46 DATE: 94/234  ACTUAL ==> DATE: 94/234

DB CALLS   :      733907                /SEC :      0.70

CALC NOFLO:      749                    /SEC :      0.00
VIA NOFLO :     5515                    /SEC :      0.00
CALC OVFLO:      261                    /SEC :      0.00
VIA OVFLO :      680                    /SEC :      0.00

PAGE RQST  :     685723                /SEC :      0.17
PAGE READ  :     76081                /SEC :      0.00
PAGE WRITE :     5953                 /SEC :      0.00

QUEUE. GET:      4498 PUT:      856 DEL:      603 GET/SEC :      0.00
SCRAC. GET:     18342 PUT:     28189 DEL:     28158 GET/SEC :      0.00

REC RQST   :     804121      REC CUR R/U :     530273
REC RELOC  :           0      FRAG STORD  :          114

XT037 AUTO REFRESH  STOP: PF3/PF15 INTER.:5 SEC PF20:+5 SEC, PF19:-1 SEC
```

Figure 7.3.1

## **7.3 Automatic/Manual Screen Refresh**

This function allows the data displayed on the screen to be refreshed to reflect the current status of the displayed resources, as obtained from the CA-IDMS control blocks in core.

### **Manual Mode**

This manual mode is activated by pressing the ENTER key. It is available with all major FUNCTIONS.

### **Automatic Mode**

This automatic mode is activated by pressing the PF9/PF21 key. From then on, the display is refreshed every 5 seconds, which is the default interval. The user can alter this interval dynamically by using the following keys:

- PF19: The interval is reduced by 1 second (minimum interval is 2 seconds).
- PF20: The interval is increased by 5 seconds (no maximum interval).

The interval is expressed in wall-clock seconds.

The automatic mode is deactivated by pressing the PF3/PF15 key.

*Figure 3.0.3* gives a list of every FUNCTION where the automatic mode is used. When this mode is activated, an information message is displayed at the bottom of the screen (see *Figure 7.3.1*).

**Automatic mode is available to CA-IDMS/DC Users only.**

## Section 7 - Other Functions

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION:      RESOURCE:      LINE:      39      09/20/94 08:12:41
MEM :          CMD :          TOTAL:      75      PF1/PF13 (HELP)  V10

SEARCH BY 'MASK':YOU CAN SPECIFY A MASK IN THE
                'RESOURCE' FIELD

POSSIBLE VALUES : @ . ALPHABETIC CHARACTER
FOR MASK          # . NUMERIC CHARACTER
                  * . ALPHANUMERIC CHARACTER

EX:  FUNCTION   : P
     RESOURCE   : IRM#####

DISPLAY ALL PROGRAMS STARTING WITH
'IRM' FOLLOWED BY 5 NUMERIC CHARACTERS

NEXT PAGE      : SEARCH BY SELECTION CRITERIA
PF7/PF19: BACKWARD  PF8/PF20: FORWARD  PF3/PF15: RETURN EX/CLEAR: END
```

Figure 7.4.1

```
*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: TC  RESOURCE:      LINE:      1      09/20/94 08:12:58
MEM :          CMD :          TOTAL:      75      PF1/PF13 (HELP)  V10
TASK      PROGRAM  DDNAM/V#  INP STA RUNAW STALL R.T.I PRI  CALL  DYN LOC

FIELD MEANING                                OTHER FUNCTIONS:
TASK      : TASK CODE                          SEL. CRIT. = TOTALS
PROGRAM  : PROGRAM INVOKED BY THE TASK          PF 7/19  BACKWARD
DDNAM/V# : PROGRAM VERSION                      PF 8/20  FORWARD
INPUT    : TASK DEFINED WITH 'INPUT' PARAMETER PF10/22 LEFT
STAT     : TASK STATUS (ENABLED,DISABLED)      (YES/NO) PF11/23 RIGHT
RUNAWAY  : RUNAWAY TIME IN WALL-CLOCK SECONDS  PF 9/21  REFRESH ON
STALL    : STALL TIME IN WALL-CLOCK SECONDS    PF 3/15  REFRESHOFF
R.T.I    : RESOURCE TIMEOUT INTERVAL IN WALL-CLOCK SECONDS PF19 -1 SEC
PRI      : PRIORITY                            PF20 +5 SECS
CALL     : NUMBER OF TIMES TASK WAS CALLED
DYN      : TASK DYNAMICALLY DEFINED (YES/NO)
LOC      : BEL: BELOW 16 MEG ANY: ABOVE 16 MEG
=====> TO VIEW PDE (#PDTDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
E: VARY TASK IN SERVICE (ENABLE); D: VARY TASK OUT OF SERVICE (DISABLE)

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 7.4.2

## 7.4 Global/Selective HELP

The Online HELP feature provides information on the use of XOMT. Both Global and Selective HELP modes are available.

### **Global HELP**

**Global HELP** is activated by typing blank characters in the **FUNCTION** field and pressing the PF1/PF13 keys. XOMT then displays online documentation on the major **FUNCTIONS**. The user can scroll up and down through the text, as explained in **Section 7.1**. It is possible, at all times, to move from **Global HELP** to **Selective HELP**, as explained below:

### **Selective HELP**

To activate the **Selective HELP**, the user types the required **FUNCTION** code in the **FUNCTION:** field and presses the PF1/PF13 key. If the **FUNCTION** field is already initialized with a **FUNCTION** code, pressing the PF1/PF13 key will invoke **Selective HELP**.

<b>NOTE:</b> In both modes, once the <b>HELP</b> function is in use, the <b>ENTER</b> key is equivalent to the PF1/PF13 keys.
---

*Figure 3.0.3* gives details about the availability of the **HELP** function.

An information message is displayed at the bottom of the screen in both modes.

Examples of a **Global HELP** screen and a **Selective HELP** screen are given in *Figure 7.4.1* and *Figure 7.4.2*, respectively.

## Section 7 - Other Functions

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC  RESOURCE:          LINE:      1      08/22/94 20:03:00
MEM :          CMD :          TOTAL:    826      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
C
$ACF@TAT CDMSLIB PRIMARY TBL ASM ENA FUL NO YES N 2 82 892
$TOOLTCF CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 702 920
ACFBLDIR CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 4 1096
ACF2EX02 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 2 2 424
ADAHABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 10 32536
ADAHGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 1 6144
ADAHTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 2 17864
ADAMABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 380 5272
ADAMFIND CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 8 4504
ADAMGOP1 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 60 2192
ADAMGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 37 1608
ADAMGREC CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 28 3776
ADAMSUMM CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 4 2824
ADAMTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 98 3728
ADAPABLD CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 234 9560
ADAPAGNM CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 906 108152
ADAPFIND CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 6 2472
ADAPGOP1 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 50 2416
TOTAL LOAD: 2729 CALL: 55193 LO/C: 4.94% ABND: 5 SIZE: 18986K

```

Figure 7.5.1

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC  RESOURCE:          LINE:      1      08/22/94 20:04:50
MEM :          CMD :          TOTAL:    89      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
C
$TOOLTCF CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 702 920
ADAMABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 380 5272
ADAPABLD CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 234 9560
ADAPAGNM CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 906 108152
ADAPGPRT CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 481 6904
ADAPMAIN CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 466 3928
ADSA      CDMSLIB LOADLIB DIA ADS ENA FUL NO NO N 1 325 26352
ADSAMMEN CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 290 2032
ADSCCOMD CDMSLIB LOADLIB DIA ADS ENA FUL NO YES N 1 218 84928
ADSCPROD CDMSLIB LOADLIB DIA ADS ENA FUL NO YES N 1 321 59304
ADSCSELB CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 430 64
ADSCT234 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 174 56
ADSOAGMS CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 140 864
ADSOEDIT CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 441 13992
ADSOGEN2 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 120 182488
ADSOMAIN CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 926 120464
GCAIV01  CDMSLIB LOADLIB SUB ASM ENA FUL NO YES N 1 1984 17536
GCAIV012 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 132 15008
TOTAL LOAD: 256 CALL: 44639 LO/C: 0.57% ABND: 0 SIZE: 1765K

```

Figure 7.5.2

## **7.5 Totals**

The XOMT **totals** feature produces computed results for some components of the CA-IDMS environment. *Figure 3.0.3* describes where this feature is available.

The **Totals** feature is functional only after a **Selection Criteria** has been issued. Refer to *Figure 7.5.1* for an example.

When a secondary display is presented after Horizontal Scrolling, or after specifying a **Selection Criteria**, totals are still calculated (see *Figure 7.5.2*).

## Section 7 - Other Functions

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PC  RESOURCE:      LINE:      1      08/22/94 20:05:53
MEM :      CMD :      TOTAL:      826      PF1/PF13 (HELP)      V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
$ACF@TAT CDMSLIB PRIMARY TBL ASM ENA FUL NO YES N 2 82 892
$TOOLTFCF CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 702 920
ACFBLDIR CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 4 1096
ACF2EX02 CDMSLIB LOADLIB PRO ASM ENA FUL YES YES N 2 2 424
ADAHABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 10 32536
ADAHGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 1 6144
ADAHTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 2 17864
ADAMABLD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 380 5272
ADAMFIND CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 8 4504
ADAMGOP1 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 60 2192
ADAMGOP2 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 37 1608
ADAMGREC CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 28 3776
ADAMSUMM CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 4 2824
ADAMTCOD CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 98 3728
ADAPABLD CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 234 9560
ADAPAGNM CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 906 108152
ADAPFIND CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 6 2472
ADAPGOP1 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 50 2416
ADAPGOP2 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 26 1864

```

Figure 7.6.1

```

*** X O M T ***      EXTENDED OPERATIONS MASTER TERMINAL      ** REL 3.1 **
FUNCTION: PC  RESOURCE:      LINE:      1      08/22/94 20:06:19
MEM :      CMD :      TOTAL:      3      PF1/PF13 (HELP)      V10
PROGRAM DDNAM/V# FROM      TYP LAN STA REE RES PRO DY LOAD CALL SIZE
C IRM
IRMAP001 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 666 4920
IRMP0000 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 382 90480
IRMP0004 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 2 35744

TOTAL LOAD:      3 CALL:      1050 LO/C:      0.28% ABND:      2 SIZE:      128K

```

Figure 7.6.2

## 7.6 Attribute Updates

After the user has made a selection request, some attributes of the CA-IDMS environment can be updated. Not all major functions support this update feature. *Figure 3.0.3* describes which ones do. One or more components can be updated simultaneously independent of the **Selection Criteria** and/or the **Generic mask**.

The steps required to perform an Attribute Update are:

- Specify the required function (*Figure 7.6.1*)
- Select the criteria (*Figure 7.6.2*), if applicable
- On the resulting display, type the update code in the first position for the resource(s) to be modified (*Figure 7.6.3*)

These examples illustrate how to turn Storage Protect ON for *all* programs whose name begins with the letters "IRM".

## Section 7 - Other Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC  RESOURCE:          LINE:      1      08/22/94 20:06:19
MEM :          CMD :          TOTAL:      3      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM          TYP LAN STA REE RES PRO DY LOAD CALL SIZE
C IRM
IRMAP001 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 666 4920
p IRMP0000 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 382 90480
p IRMP0004 CDMSLIB LOADLIB PRO ASM ENA FUL NO NO N 1 2 35744

TOTAL LOAD:          3 CALL:          1050 LO/C:          0.28% ABND:          2 SIZE:          128K
```

Figure 7.6.3

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC  RESOURCE:          LINE:      1      08/22/94 20:07:07
MEM :          CMD :          TOTAL:      3      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM          TYP LAN STA REE RES PRO DY LOAD CALL SIZE
C IRM
IRMAP001 CDMSLIB LOADLIB UND ASM ENA FUL NO YES N 1 668 4920
IRMP0000 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 383 90480
IRMP0004 CDMSLIB LOADLIB PRO ASM ENA FUL NO YES N 1 2 35744

XT007 REQUEST ACCEPTED
```

Figure 7.6.4

A message will be displayed to confirm the update (*Figure 7.6.4*).

## Section 7 - Other Functions

---

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PC  RESOURCE:          LINE:      1      09/20/94 08:13:26
MEM :          CMD :          TOTAL:    75      PF1/PF13 (HELP)  V10
PROGRAM DDNAM/V# FROM          TYP LAN STA REE RES PRO DY LOAD CALL SIZE

FIELD MEANING                                OTHER FUNCTIONS:
PROGRAM : PROGRAM NAME                      SEL. CRIT. = TOTALS
DDNAM/V#: PROGRAM VERSION                   PF 7/19  BACKWARD
FROM : PROGRAM LOADED FROM                  PF 8/20  FORWARD
TYP : PROGRAM TYPE (PRO,SUB,DIA,MAP,UND,NUC,DRV) PF10/22  LEFT
LAN : PROGRAM LANGUAGE (COB,ADS,ASM,FOR,PL1) PF11/23  RIGHT
STA : PROGRAM STATUS (ENA,DIS)              PF 9/21  REFRESH ON
REE : REENTRANT PROGRAM (FUL,QUA,NON)       PF 3/15  REFRESHOFF
RES : RESIDENT (Y/N) ,PRO : PROTECT (Y/N)   PF19 -1 SEC
DY : PROGRAM IS DYNAMICALLY DEFINED (Y/N)   PF20 +5 SECS
LOAD : TIMES LOADED ,CALL: TIMES CALLED
SIZE : SIZE IN BYTES

=====> TO VIEW PDE (#PDTDS) TYPE 'S' IN FIRST COLUMN
=====> TO UPDATE ATTRIBUTES TYPE APPROPRIATE CODE IN FIRST COLUMN
N: VARY PROGRAM NEW COPY (REFRESH)
E: VARY PROG IN SERVICE (ENABLE) D: VARY PROG OUT OF SERVICE (DISABLE)
P: STORAGE PROTECT 'YES' U: STORAGE UNPROTECT 'NO'

XT033 =>PF3/PF15 : RETURN<= FOR GLOBAL HELP INSERT BLANKS IN 'FUNCTION'
```

Figure 7.6.5

The valid update codes are given on the Selective HELP screen for the FUNCTION (obtained by hitting PF1/PF13, as seen in Section 7.4). Refer to *Figure 7.6.5* for an example of such a Selective HELP screen with the valid codes at the bottom of the page.

**Section 7 - Other Functions**

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# **Section 8 - Installation**

---

This section describes the procedures for installing and operating XOMT. The operating system memory and disk space requirements are also discussed.

## **8.1 Environment**

XOMT is designed to operate in any MVS, MVS/XA or MVS/ESA environment.

Release 10.0 and later of CA-IDMS/DC-UCF are supported.

**IMPORTANT NOTE: Data on XOMT AR and BU screens is valid only if PTF 85-11-1067 (Release 10.0) has been applied to the CA-IDMS/DC-UCF environment.**

## 8.2 Component Generation

The generation of the XOMT components is a two-step process:

- Load the executable modules found on the installation tape into the load library.
- Run the CA-IDMS/DC-UCF System Generation Compiler to define the new components to the environment.

The steps are described in detail below.

### Library Load

To load the library, use the IEBCOPY utility. The installation tape has standard labels and a 6250 BPI density. Sample JCL follows:

```
//JOB CARD
// *
//STEP1 EXEC PGM=IEBCOPY
//OUTCMMT1 DD DSN=your.cmnt.loadlib,DISP=SHR
//OUTCMMT2 DD DSN=your.xomt.loadlib,DISP=SHR
//OUTCMMT3 DD DSN=your.Aquisoft.srclib,DISP=SHR
//INCMMT1 DD DSN=CMMT.PRODLIB,VOL=SER=CT9501,
//          DISP=OLD,
//          UNIT=3480,LABEL=(1,SL),DCB=TRTCH=NOCOMP
//INCMMT2 DD DSN=XOMT.PRODLIB,
//          DISP=OLD,DCB=TRTCH=NOCOMP,
//          UNIT=3480,VOL=(REF=* . INCMMT1),LABEL=(2,SL)
//INCMMT3 DD DSN=AQUI.SRCLIB,
//          DISP=OLD,DCB=TRTCH=NOCOMP,
//          UNIT=3480,VOL=(REF=* . INCMMT1),LABEL=(3,SL)
//SYSUT3 DD UNIT=PUBLIC,SPACE=(TRK,(1,1))
//SYSPRINT DD SYSOUT=*
//SYSIN DD *
          COPY OUTDD=OUTCMMT1,INDD=(( INCMMT1,R))
          COPY OUTDD=OUTCMMT2,INDD=(( INCMMT2,R))
          COPY OUTDD=OUTCMMT3,INDD=(( INCMMT3,R))
// *
//
```

## Section 8 - Installation

---

### Component definitions

Run the SYSGEN compiler to define the components in the CA-IDMS/DC-UCF environment. The SYSGEN for this new release MUST be updated from the previous releases.

#### For new installations:

```
ADD PROGRAM IRMPSTUB LANGUAGE ASSEMBLER NOPROTECT REENTRANT.
ADD PROGRAM IRMP0000 LANGUAGE ASSEMBLER NOPROTECT REENTRANT.
ADD PROGRAM JRMP0000 LANGUAGE ASSEMBLER NOPROTECT REENTRANT.
ADD PROGRAM KRMP0000 LANGUAGE ASSEMBLER NOPROTECT REENTRANT.
ADD PROGRAM IRMP0004 LANGUAGE ASSEMBLER NOPROTECT REENTRANT.
ADD PROGRAM IRMAP001 LANGUAGE ASSEMBLER MAP NOPROTECT REENTRANT.
ADD TASK XOMT INV IRMPSTUB SAVE RES INT OFF STO LIM OFF CALL LIM OFF
CPU LIM OFF.
ADD TASK XOMT1 INV IRMPSTUB SAVE RES INT OFF STO LIM OFF CALL LIM OFF
CPU LIM OFF.
```

#### For version upgrades:

```
ADD PROGRAM IRMPSTUB LANGUAGE ASSEMBLER NOPROTECT REENTRANT.
ADD PROGRAM JRMP0000 LANGUAGE ASSEMBLER NOPROTECT REENTRANT.
ADD PROGRAM KRMP0000 LANGUAGE ASSEMBLER NOPROTECT REENTRANT.
MOD TASK XOMT INV IRMPSTUB.
MOD TASK XOMT1 INV IRMPSTUB.
```

<b>IMPORTANT:</b>	<b>Do not forget to include the library name containing the XOMT modules under the CDMSLIB DDNAME of the CV startup JCL.</b>
-------------------	--

### **8.3 Operation Mode**

XOMT runs as a "standard" application within the CA-IDMS/DC-UCF environment.

XOMT is activated by typing the **XOMT** task code on the "ENTER NEXT TASK CODE" screen, as defined in **Section 8.2**.

## 8.4 Memory Requirements

To execute XOMT in the CA-IDMS/DC-UCF environment, there must be sufficient memory space for the XOMT modules and work areas.

**The XOMT modules have the following memory requirements:**

IRMP0000 (control program)	88K
IRMP0004 (Documentation)	35K
IRMAP001 (MAP)	5K

In addition, a work area is acquired at runtime for each active user. The characteristics of each work area are:

Identification	IRST
Size	4K
Attributes	USER, SHORT, KEEP

## **8.5 Disk Space Requirements**

XOMT requires that the modules be placed in a load library to allow execution at runtime. The disk space required is:

Record Format	U
Blocksize	19069
Data Blocks	10
Directory Blocks	2

The number of required tracks is device-dependent and varies for each installation.

# **Section 9 - Error Messages**

- CT001 - \*\*\*\*\* CSA address cannot be found\*\*\*\*\***
- In CMMT, the requested CA-IDMS Central Version is not available; it is either warmstarting or crashing.
- CT002 - \*\*\*\*\*TCB IDMS currently ABENDING\*\*\*\*\***
- The selected CA-IDMS Central Version is currently ABENDING. This is detected in the TCB's TCBCMP field.
- CT003 - \*\*\*\*\*Cannot access: SWAPPABLE\*\*\*\*\***
- CA-IDMS region has been defined as SWAPPABLE to the MVS operating system.
- CT004 - \*\*\*\*\*Cannot access: ASID invalid\*\*\*\*\***
- The selected CA-IDMS Central Version's ASID is invalid.
- CT005 - \*\*\*\*\*CV not active\*\*\*\*\***
- The selected Central Version is inactive. This could happen in the time span between CMMT's Main Menu display and actual CV selection. It could also happen within a CMMT session whenever a CV terminates normally or abnormally.
- CT006 - \*\*\*\*\*Technical problem with POST\*\*\*\*\***
- When cancelling a task from CMMT, there is no activity in the Central Version, posting cannot take place.
- CT007 - \*\*\*\*\*This CV is not a IDMS-CV Release 10.2\*\*\*\*\***
- When running CMMT for Release 10.2, the selected CA-IDMS Central Version is not a Release 10.2 CV.

\*\*\*\*\*  
\*

- XT001 - Contents to be restored do not match the original one.**
- In memory navigation, if an update is made, the restore operation is not possible since the current data does not match the initial value.
- XT002 - Field not found in the partition, you are at the CA-IDMS highest address.**
- In memory navigation, data value is not found.

## Section 9 - Error Messages

---

**XT003 - Invalid addressing mode, valid values are 1,2,3,4.**

In memory navigation, using indexed addressing, a character other than 1,2,3 or 4 has been typed in the first column.

**XT004 - Invalid hexadecimal characters.**

In memory navigation, the hexadecimal characters appearing in the MEM field are unrecognizable.

**XT005 - Memory contents restored.**

In memory navigation, a memory update RESTORE command has been successfully executed.

**XT006 - New copy not allowed.**

The program cannot be marked as new copy, check its definition.

**XT007 - Request accepted.**

Request has been successfully executed.

**XT008 - Requested address is zero; press ENTER.**

In memory navigation, the address typed is zero, press the ENTER key to resume execution.

**XT009 - Requested address is negative; press ENTER.**

In memory navigation, the address typed is negative, press the ENTER key to resume execution.

**XT010 - Requested string not found (1 Meg. 1024000 bytes) searched.**

In memory navigation, the value specified in the MEM; field has not been found after searching one megabyte of memory; press ENTER to resume search.

**XT011 - Subschema not found in the load area(s)/loadlib(s).**

Even if a program definition element (PDE) exists for the subschema, its load module is not found.

**XT012 - This is the first displayed address.**

In memory navigation, the first address' contents are displayed; all the addresses are kept in a saved address table.

**XT013 - This is the last displayed address.**

In memory navigation, the current address' contents are displayed for the last address kept in the saved address table.

**XT014 - Unable to display memory at this address (OUT/PROTECT).**

In memory navigation, the required address cannot be reached since it resides outside the CA-IDMS region.

**XT015 - Unable to save the address last referenced; table full.**

In memory navigation, the last accessed address cannot be saved since there is no more room in the saved address table (maximum 40 entries kept).

**XT016 - Request not authorized.**

Under discrete security control, the command vary program new copy is not executed; the user must be defined in the user-id security table (PRMPSECU).

**XT017 - Report not found.**

Trying to delete a report and it is not found (either deleted or printed).

**XT018 - Function code required.**

The function code must be typed in the **FUNCTION** field.

**XT019 - Load module not found.**

At install time and also using Selective HELP, only the Global HELP feature is available if the HELP module is disabled.

**XT020 - Autorefresh => STOP PA1/ALT-SYSRQ.**

Using CMMT, the above command interrupts the automatic screen refresh feature.

**XT021 - Invalid function.**

The function code does not exist. Type **IN** (initial display) in the **FUNCTION:** field for a list of valid function codes.

**XT022 - Vary program New Copy first, then Enable.**

The command **Vary program New Copy** is not executed; the program must be Enabled before Varying it to New Copy.

**XT023 - Program unknown to CV.**

In function **DC**, the requested program is not found; no program definition element (PDE) exists for the program.

## Section 9 - Error Messages

---

**XT024 - Enter program name**

In function **DC**, the program name must be typed in the **RESOURCE** field.

**XT025 - Date compiled not available for the requested load module.**

In an **ASSEMBLER** program, the variable **&SYSDATE** has not been specified.

**XT026 - Program not found in the load area(s)/loadlib(s).**

Even if a program definition element (**PDE**) exists for the program, its load module is not found.

**XT027 - Highlighted field => line problem.**

In function **LI** and **PT**, an external physical line problem is detected.

**XT028 - No printers defined to system.**

No printer definitions have been specified in the **SYSGEN**.

**XT029 - No destination defined to system.**

No destinations have been defined in the **SYSGEN**.

**XT030 - Task cancelled.**

In sub-functions **R3** and **R4**, confirmation message for cancellation of task.

**XT031 - To CANCEL a Task; use FUNCTION R3.**

**XT032 - Function not available to CMMT.**

The **#LOAD** macro command is not available through cross memory services, making function **DC** and function **SC** unavailable in **CMMT**.

**XT033 - => PF3/PF15: RETURN < = for Global HELP insert blanks in 'FUNCTION:'.**

Press **PF3/PF15** key to exit from the Selective **HELP** feature; move blanks in the **FUNCTION:** field to access the Global **HELP** feature.

**XT034 - => PF3/PF15: RETURN < = Documentation not available for this search.**

Only the Global **HELP** feature is available for this function.

**XT035 - Signon required.**

Under the discrete security control, the user must first signon on the **CA-IDMS/DC** prompt screen in order to get access to the update command required.

**XT036 - Unable to modify the memory contents for this address (OUT/PROTECT).**

Using the command **Vary Memory**, the update request is rejected, display only is allowed.

**XT037 - Autorefresh STOP: PF3/PF15 INTER.: 5 SEC PF20: + 5 SEC PF19: -1 SEC.**

Valid function keys to update the automatic screen refresh feature.

# Appendix A - Memory Update Facility

---

**WARNING!** This section contains restricted information. Improper use of the memory update feature, voluntarily or by accident, can have disastrous consequences on the availability/integrity of the CA-IDMS/DC-UCF environment. Extreme caution must be exercised in its use.

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### A.1 Overview

XOMT has a special feature allowing the user to update the memory contents of the CA-IDMS/DC-UCF environment. There is no need to shutdown the Central Version, nor vary it offline/online, to use this feature.

This appendix describes the facilities available to modify dynamically the address space contents of CA-IDMS/DC-UCF.

**Following are but a few practical examples of the use of this powerful facility:**

- Change the date/time stamp in a module

- Apply a PTF in memory (on-the-fly)

- Assign/modify Security classes

- Change task attributes (e.g. INPUT/NOINPUT, INTERNAL/EXTERNAL)

- Change program definition (e.g. from COBOL to ASSEMBLER)

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PT    RESOURCE: I03*****          LINE:      1      09/20/94 08:14:20
MEM :          CMD :          TOTAL:      3      PF1/PF13 (HELP)    V10
  PTERM-ID LTERM-ID PLINE-ID TYP PST LST TERM-ID CLAS DESTINAT READ WRIT ER AQ
I03A5012 L03A5012 VTAM10  PRI DIS INS I03A5012 1 *DESTINV  0  0 0 Y
I03A551A XLTIM002 VTAM10  PRI DIS INS I03A551A 1 *DESTINV  0  0 0 Y
I03A5519 XLTIM003 VTAM10  PRI DIS INS I03A5519 1 *DESTINV  0  0 0 Y

```

Figure A.2.1

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PT    RESOURCE: I03*****          LINE:      1      09/20/94 08:14:20
MEM :          CMD :          TOTAL:      3      PF1/PF13 (HELP)    V10
  PTERM-ID LTERM-ID PLINE-ID TYP PST LST TERM-ID CLAS DESTINAT READ WRIT ER AQ
s I03A5012 L03A5012 VTAM10  PRI DIS INS I03A5012 1 *DESTINV  0  0 0 Y
I03A551A XLTIM002 VTAM10  PRI DIS INS I03A551A 1 *DESTINV  0  0 0 Y
I03A5519 XLTIM003 VTAM10  PRI DIS INS I03A5519 1 *DESTINV  0  0 0 Y

```

Figure A.2.2

### A.2 Methodology

In order to update the memory contents, it is first necessary to display the internal structure of the selected resource.

The **ME** function, explained in **Section 3**, is used to display the memory contents associated with resources. In addition, many other **FUNCTIONS** display memory contents and also allow memory updates (refer to *Figure 3.0.3*). The reader should be familiar with **Section 6**, where a description of the memory display feature is given.

The following steps are required to update a memory address:

- Select any **FUNCTION** that supports the Memory Display feature, optionally supplying a **Generic Mask** and/or **Selection Criteria** (*Figure A.2.1*).
- Display memory for the required resource by typing an 'S' in the first position of the line (*Figure A.2.2*).
- The **MEM** field is updated to contain the hexadecimal value of the word to replace the old data; and the **CMD** field is updated to contain the "VARY" command. Note that the **CMD** field is darkened.

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PT    RESOURCE: I03*****          LINE:      1    09/20/94 08:14:58
MEM : 00000000    CMD :                      TOTAL:     0    PF1/PF13 (HELP)    V10
  <ADDR>    <OFFSET>          << HEXADECIMAL >>          << DECIMAL >>
00068A48    00000000 . C9F0F3C1 F5F0F1F2 00068968 00068BC8 *I03A5012.....H*
00068A58    00000010 . 0005D5E8 00000000 00000000 002B5ACC *..NY.....*
00068A68    00000020 . 17000000 0EF20400 00068BA0 00000000 *.....2.....*
00068A78    00000030 . 00000000 00000000 00000000 00000000 *.....*
00068A88    00000040 . 00000000 00000000 00000000 03000000 *.....*
00068A98    00000050 . 00500018 00000010 00010000 00000000 *.....*
00068AA8    00000060 . 00000000 00000000 00000000 00000000 *.....*
00068AB8    00000070 . 00000000 00000000 00000000 00000000 *.....*
00068AC8    00000080 . 00000000 00000000 00000000 00000000 *.....*
00068AD8    00000090 . 00000000 01000000 00980000 00000000 *.....*
00068AE8    000000A0 . 00000000 40404000 00000000 00000000 *.....*
00068AF8    000000B0 . 00000000 00000000 00000000 00000000 *.....*
00068B08    000000C0 . C9F0F3C1 F5F0F1F2 C0000000 00000000 *I03A5012.....*
00068B18    000000D0 . 00000000 00000000 00000000 00000000 *.....*
00068B28    000000E0 . 00000000 00000000 00000000 00000000 *.....*
00068B38    000000F0 . 00000000 00000000 00000000 00000000 *.....*
00068B48    00000100 . 00000000 00000000 00000000 00000000 *.....*
00068B58    00000110 . 00000000 00000000 00000000 00000000 *.....*
00068B68    00000120 . 00000000 00000000 00000000 00000000 *.....*

```

Figure A.2.3

**NOTE:**      **Memory update works with a full word: 8 characters  
must always be typed in the MEM field.**

Refer to *Figure A.2.3* for an example of how to modify a physical terminal's PTE contents.

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PT  RESOURCE: I03*****          LINE:      1      09/20/94 08:14:58
MEM : 00000000  CMD :                      TOTAL:      0      PF1/PF13 (HELP)  V10
  <ADDR>  <OFFSET>          << HEXADECIMAL >>          << DECIMAL >>
00068A48 00000000 . C9F0F3C1 F5F0F1F2 00068968 00068BC8 *I03A5012.....H*
00068A58 00000010 . 0005D5E8 00000000 00000000 002B5ACC *..NY.....*
00068A68 00000020 . 17000000 0EF20400 00068BA0 00000000 *.....2.....*
00068A78 00000030 . 00000000 00000000 00000000 00000000 *.....*
00068A88 00000040 . 00000000 00000000 00000000 03000000 *.....*
00068A98 00000050 . 00500018 00000010 00010000 00000000 *.....*
2 00068AA8 00000060 . 00000000 00000000 00000000 00000000 *.....*
00068AB8 00000070 . 00000000 00000000 00000000 00000000 *.....*
00068AC8 00000080 . 00000000 00000000 00000000 00000000 *.....*
00068AD8 00000090 . 00000000 01000000 00980000 00000000 *.....*
00068AE8 000000A0 . 00000000 40404000 00000000 00000000 *.....*
00068AF8 000000B0 . 00000000 00000000 00000000 00000000 *.....*
00068B08 000000C0 . C9F0F3C1 F5F0F1F2 C0000000 00000000 *I03A5012.....*
00068B18 000000D0 . 00000000 00000000 00000000 00000000 *.....*
00068B28 000000E0 . 00000000 00000000 00000000 00000000 *.....*
00068B38 000000F0 . 00000000 00000000 00000000 00000000 *.....*
00068B48 00000100 . 00000000 00000000 00000000 00000000 *.....*
00068B58 00000110 . 00000000 00000000 00000000 00000000 *.....*
00068B68 00000120 . 00000000 00000000 00000000 00000000 *.....*

```

Figure A.2.4

```

*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.0 **
FUNCTION: PT  RESOURCE: I03*****          LINE:      1      09/20/94 08:19:16
MEM :                      CMD :                      TOTAL:      0      PF1/PF13 (HELP)  V10
  <ADDR>  <OFFSET>          << HEXADECIMAL >>          << DECIMAL >>
00068A48 00000000 . C9F0F3C1 F5F0F1F2 00068968 00068BC8 *I03A5012.....H*
00068A58 00000010 . 0005D5E8 00000000 00000000 002B5ACC *..NY.....*
00068A68 00000020 . 17000000 0EF20400 00068BA0 00000000 *.....2.....*
00068A78 00000030 . 00000000 00000000 00000000 00000000 *.....*
00068A88 00000040 . 00000000 00000000 00000000 03000000 *.....*
00068A98 00000050 . 00500018 00000010 00010000 00000000 *.....*
00068AA8 00000060 . 00000000 00000000 00000000 00000000 *.....*
00068AB8 00000070 . 00000000 00000000 00000000 00000000 *.....*
00068AC8 00000080 . 00000000 00000000 00000000 00000000 *.....*
00068AD8 00000090 . 00000000 01000000 00980000 00000000 *.....*
00068AE8 000000A0 . 00000000 40404000 00000000 00000000 *.....*
00068AF8 000000B0 . 00000000 00000000 00000000 00000000 *.....*
00068B08 000000C0 . C9F0F3C1 F5F0F1F2 C0000000 00000000 *I03A5012.....*
00068B18 000000D0 . 00000000 00000000 00000000 00000000 *.....*
00068B28 000000E0 . 00000000 00000000 00000000 00000000 *.....*
00068B38 000000F0 . 00000000 00000000 00000000 00000000 *.....*
00068B48 00000100 . 00000000 00000000 00000000 00000000 *.....*
00068B58 00000110 . 00000000 00000000 00000000 00000000 *.....*
00068B68 00000120 . 00000000 00000000 00000000 00000000 *.....*
XT007 REQUEST ACCEPTED

```

Figure A.2.5

## Appendix A - Memory Update Facility

---

The word to be updated is indicated to XOMT by moving the cursor to the first position of the line containing this word, then typing its relative position on the line (either 1,2, 3 or 4). Refer to *Figure A.2.4* for an example.

After hitting ENTER a confirmation message will appear to acknowledge the memory update. The display now contains the new value (*Figure A.2.5*).

**If the memory update was incorrectly specified by the user, it is possible to restore the memory contents to its initial value!**

**RESTORE** must be typed in the **MEM** field immediately following the erroneous update in order to retrieve the original memory contents (*Figure A.2.6*).

```
*** X O M T ***          EXTENDED OPERATIONS MASTER TERMINAL          ** REL 3.1 **
FUNCTION: PT    RESOURCE: I03*****          LINE:      1    09/20/94 08:19:41
MEM :          CMD :          TOTAL:      0    PF1/PF13 (HELP)    V10
<ADDR> <OFFSET>          << HEXADECIMAL >>          << DECIMAL >>
00068A48 00000000 . C9F0F3C1 F5F0F1F2 00068968 00068BC8 *I03A5012.....H*
00068A58 00000010 . 0005D5E8 00000000 00000000 002B5ACC *..NY.....*
00068A68 00000020 . 17000000 0EF20400 00068BA0 00000000 *.....2.....*
00068A78 00000030 . 00000000 00000000 00000000 00000000 *.....*
00068A88 00000040 . 00000000 00000000 00000000 03000000 *.....*
00068A98 00000050 . 00500018 00000010 00010000 00000000 *.....*
00068AA8 00000060 . 00000000 00000000 00000000 00000000 *.....*
00068AB8 00000070 . 00000000 00000000 00000000 00000000 *.....*
00068AC8 00000080 . 00000000 00000000 00000000 00000000 *.....*
00068AD8 00000090 . 00000000 01000000 00980000 00000000 *.....*
00068AE8 000000A0 . 00000000 40404000 00000000 00000000 *.....*
00068AF8 000000B0 . 00000000 00000000 00000000 00000000 *.....*
00068B08 000000C0 . C9F0F3C1 F5F0F1F2 C0000000 00000000 *I03A5012.....*
00068B18 000000D0 . 00000000 00000000 00000000 00000000 *.....*
00068B28 000000E0 . 00000000 00000000 00000000 00000000 *.....*
00068B38 000000F0 . 00000000 00000000 00000000 00000000 *.....*
00068B48 00000100 . 00000000 00000000 00000000 00000000 *.....*
00068B58 00000110 . 00000000 00000000 00000000 00000000 *.....*
00068B68 00000120 . 00000000 00000000 00000000 00000000 *.....*
XT005 MEMORY CONTENTS RESTORED
```

Figure A.2.6

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# **Appendix B - Discrete Security**

In a given Central Version environment users are defined with different levels of authority. XOMT provides discrete security capabilities to maintain controlled access to system resources. The following operations can be restricted to authorized users:

- Attribute updates for Programs (New Copy, Protect/Unprotect, Enable/Disable).
- Attribute updates for Tasks (Enable/Disable)
- Attribute updates for Physical Terminals (Connect/Disconnect, Online/Offline)
- Attribute updates for Areas (Online/Offline, Retrieval, Quiesce, Active, Purge, Open/Open Update)
- Task cancellations using sub-FUNCTIONS **R3** and **R4**
- Memory Updates
- Hard Cancel (CMMT use only)

The security mechanisms is implemented thru a table loaded in memory at execution time. This table contains a list of authorized users and their respective security profile. The **\$SECUR** macro instruction, an example of which is supplied in member **PRMPSECU**, is specified as follows:

```
$SECUR USER=UUUUUUUU,  
          PG=YES/NO,TK=YES/NO,  
          PT=YES/NO,CAN=YES/NO,  
          AR=YES/NO,HC=YES/NO,  
          VARY=YES/NO
```

(or)

```
$SECUR USER=UUUUUUUU,  
          OP=ALL
```

Where:

- UUUUUUUU is the User Identifier
- PG is the set of attributes modification commands for Programs
- TK is the set of attributes modification commands for Tasks
- PT is the set of attributes modification commands for PTERMs
- AR is the set of attributes modification commands for Areas
- CAN is the task cancellation function
- VARY is the memory update function
- HC is the hard cancel function
- YES/NO grants or denies privilege (default:NO)
- OP grants all of the above privileges

**Note: All user-defined entries must precede, and not replace, the last entry (i.e. X'FFFF') in the PRMPSECU source member.**

The macro is ASSEMBLED and link-edited into the XOMT installation load library under the name PRMPSECU.

**All users must be predefined in the **\$SECUR** macro in order to perform update operations. If this macro is not ASSEMBLED, security is not enforced, granting every user all privileges!**



