CHAPTER 4

LISTING A FILE DEFINITION

LISTING AN INTAC FILE DEFINITION

An INTAC file consists of three elements: the file definition, the indexes, and the data records. The LI command is used to obtain a listing of an INTAC file definition. This listing includes all information entered during the CREATE session (or changed subsequently in MODIFY or REBUILD), the number of current records, and information about the index structure.

LI

You may get a hardcopy of the listing by printing it at your hardcopy terminal or by directing it to a systems line printer. The listing may also be directed to a file to be used at a later time.

THE LIST DIALOGUE

Enter the LIST facility at the INTAC COMMAND? prompt:

```
COMMAND? LI
```

You will be asked the following two questions:

```
NAME OF FILE?
```

Enter the name of the INTAC file. An extension of .INT is assumed if none is given.

```
OUTPUT TO <KB:>?
```

There are three possible responses to this question.

1. Enter carriage return if you wish to see the list at your terminal.

2. Enter LP: if you wish the list to be printed on the system line printer, or LPn: to use an alternate line printer, where n is the number of the line printer. On RSTS/E systems, these device names may be followed by any of the RSTS/E system QUE specifications for number of copies, etc. See the Ross Systems **11/70 Users Guide** for details.

   On VMS systems, these device names may be followed by any of the VMS PRINT specifications. See the Ross Systems **VAX 11/780 Users Guide.**

3. When the listing is displayed either at the terminal or on a line printer, it is not saved as a file on your account. To save the listing as a file, enter the name of a file in response to this question. An extension of .LST is assumed if none is given. If the file already exists with that name, it will be written over.

LISTING FEATURES

On the next page is the definition of the ASSET file first described in Chapter 1 of this manual.

Shown first is the information about data items entered in response to the CREATE dialogue. Appearing across the page are Item number, Item name, Type, the security levels for Add, Change, and INQUIRE, the Print Format, and Edit Parameters. An asterisk beside the item number indicates that the item is part of an index. Edit Parameters include the data validation elements: External File Reference, Minimum, Maximum, Table. Also listed in this column are headings and defaults.

Note the two data items automatically added to the file by INTAC: the DATE LAST EDIT and DELETE FLAG. In the example, these are items 13 and 14. RECORD NUMBER, which is automatically added as data item 0, is not listed.

Below the list of data items is information about the number of current records, the logical record size, and the number of records per block. The number of records includes records marked for deletion. Also given for debugging purposes are the locations in the file of the first block containing data records, and the first block containing Edit Parameter information.

The indexes are described, including information about the index structure useful in relating files to each other for reporting and for debugging.

ASSET.INT

Item		Item Name	Type	Len	Add Lev	Chg Lev	Inq Lev	Print Frmat	Edit Parameters
1	*	DEPT.NO	INTG	2	0	0	0	6	HDG = DEPT/NO
2	*	ASSET.NO	ZSTR	5	0	0	0	5	HDG = ASSET/NO
									MIN = 00001
									MAX = 50000
3		DESCRIPTION	STRG	22	0	0	0	22	
4		ASSET.TYPE	STRG	1	0	0	0	1	HDG = ASSET/TYPE
									(1) = F:FURNITURE
									(2) = C:COMPUTER EQPT
									(3) = E:MISC EQPT
									(4) = O:OTHER
5		ASSET.CODE	STRG	1	0	0	0	1	HDG = ASSET/CODE
									(1) = L:LEASE
									(2) = P:PURCHASE
6		ORIG.COST	REAL	8	0	0	0	11.2	MAX = 250000.00
7		LEASE.D.PYMT	REAL	8	0	0	0	11.2	HDG = LEASE/D.PAYMENT
									DFLT= 0
									MIN = 0
									MAX = 250000.00
8		PUR.YEAR	INTG	2	0	0	0	3	HDG = PUR/YR
									MIN = 71
9		PUR.MONTH	INTG	2	0	0	0	3	HDG = PUR/MON
									MIN = 1
									MAX = 12
10		LIFE	INTG	2	0	0	0	4	HDG = LIFE
									MIN = 1
									MAX = 10
11		PURCHASE.ORD.NO	PNTR	3	0	0	0	8	HDG = PUR.ORD/NO
									FILE= ORDER.INT(1)
12		VENDOR.NO	INTG	2	0	0	0	5	HDG = VEND/NO
									FILE= VENDOR.INT(1)
13		DATE LAST EDIT	DATE	2	99	99	0	8	HDG = DT LST ED
									DFLT= TODAY
14		DELETE FLAG	BYTE	1	99	0	99	4	HDG = DEL
									DFLT= 0

```
         CURRENT RECORDS = 94            FIRST DATA BLOCK = 39
             MAX RECORDS = 600       FIRST PARAMETER BLOCK = 114
       BLOCKING FACTOR = 1                 FILE OPEN MODE = 0
     LOGICAL RECORD SIZE = 61            DATE LAST REBUILD = 03/25/1982
       RECORDS PER BLOCK = 8                 INTAC VERSION = 10/13/1981

       NUMBER OF INDEXES = 2             FIRST INDEX BLOCK = 5
FIRST UNUSED INDEX BLOCK = 9             INDEX LOADING PCT = 67
 NO. UNUSED INDEX BLOCKS = 30              INDEX FILE NAME =

  INDEX # 1:

        INDEX ENTRY SIZE = 8          DUPLICATES ALLOWED = NO
       ENTRIES PER BLOCK = 63                 ROOT BLOCK = 7
         NUMBER OF ITEMS = 1              ROOT LEVEL # = 1
                ITEM # 1 = 2  - ASSET.NO

  INDEX # 2:

       INDEX ENTRY SIZE = 5           DUPLICATES ALLOWED = YES
       ENTRIES PER BLOCK = 101                ROOT BLOCK = 8
         NUMBER OF ITEMS = 1              ROOT LEVEL # = 0
                ITEM # 1 = 1  - DEPT.NO
```