z/OS
2.5

Bulk Data Transfer Diagnosis Reference

SC14-7586-50

Note

Before using this information and the product it supports, read the information in “Notices” on page 157.

This edition applies to Version 2 Release 5 of z/OS® (5650-ZOS) and to all subsequent releases and modifications until otherwise indicated in new editions.

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About This Book

This book is a reference for diagnosing problems with the Bulk Data Transfer (BDT) licensed program. It describes the dumps, trace facility, and data areas you will need to identify the part of BDT that is causing a problem, and to gather information to report a problem to IBM.

In addition, this book is a reference for writing and testing user exit routines. For this purpose, use Chapter 3, "BDT Data Areas," on page 45, along with *z/OS BDT Installation*.

Who Should Read This Book

This book is for system programmers responsible for detecting and solving BDT problems or coding and testing user exit routines.

How to Use This Book

If you are new to BDT, use the index or table of contents to help you find what you need.

This book contains three chapters and a glossary:

- Chapter 1, "The BDT Formatted Dump," on page 1 explains how to request and use the BDT formatted dump.
- Chapter 2, "The MVS SVC Dump," on page 37 explains how to request and use the MVS SVC dump, which includes the BDT trace table.
- Chapter 3, "BDT Data Areas," on page 45 contains descriptions and layouts of BDT data areas.

Related Reading

Where necessary, this book references information in other books, using shortened versions of the book title. For complete titles and order numbers of the information for all products that are part of z/OS, see *z/OS Information Roadmap*.

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Summary of changes

This information includes terminology, maintenance, and editorial changes. Technical changes or additions to the text and illustrations for the current edition are indicated by a vertical line to the left of the change.

Note: IBM z/OS policy for the integration of service information into the z/OS product documentation library is documented on the z/OS Internet Library under IBM z/OS Product Documentation Update Policy (www-01.ibm.com/servers/resourcelink/svc00100.nsf/pages/ibm-zos-doc-update-policy?OpenDocument).

Summary of changes for z/OS BDT Diagnosis Reference for Version 2 Release 5 (V2R5)

This information contains no technical changes for this release.

Summary of changes for z/OS BDT Diagnosis Reference for Version 2 Release 4 (V2R4) and its updates

This information contains no technical changes for this release.

Summary of changes for z/OS BDT Diagnosis Reference for Version 2 Release 3 (V2R3) and its updates

This information contains no technical changes for this release.

Chapter 1. The BDT Formatted Dump

This chapter discusses the BDT formatted dump. It explains:

- The purpose of the BDT formatted dump
- How to request the BDT formatted dump
- The contents of the BDT formatted dump

Purpose of the BDT Formatted Dump

The BDT formatted dump is a good place to start analyzing your BDT subsystem problems. It contains information about the failing module, resident modules in the BDT nucleus, and BDT control blocks. Use this dump together with the MVS SVC dump, which is described in Chapter 2.

How to Request the BDT Formatted Dump

The BDT initialization stream and BDT commands allow you to request that a BDT formatted dump be taken during normal processing, or when an abend occurs.

- During normal processing, you can request a BDT formatted dump with the DUMP command. When you issue the DUMP command, an MVS SNAP dump appears in the BDT formatted dump before the contents of BDTNUC. You also receive an SVC dump. The format of the DUMP command is DUMP,TITLE='*dump-title*', where *dump-title* is a title you assign to the dump. For more information, see *z/OS BDT Commands*.
- When an abend occurs, BDT can either take a formatted dump, not take a formatted dump, or ask if a formatted dump is to be taken. You specify which option you want with the WANTDUMP parameter of the OPTIONS statement in the initialization stream. For more information on coding the OPTIONS statement, see *z/OS BDT Installation*. The MODIFY,DUMP command allows you to change the option specified in the WANTDUMP parameter. MODIFY,DUMP,YES requests that when an abend occurs, BDT is to take a formatted dump. MODIFY,DUMP,ASK requests that when an abend occurs, BDT is to ask if a formatted dump is to be taken. For more information on this command, see *z/OS BDT Commands*.

Contents of the Formatted Dump

The BDT formatted dump contains:

- A title page. This gives summary information about the failing module.
- A map of BDTNUC (the BDT nucleus). This lists resident modules and data areas and their corresponding addresses.
- Fields for these BDT control blocks:

  The transfer vector table (TVT)
  The function control table (FCT) — a page for each resident function and each active job
  The job queue element (JQE)
  The resident logical units table (RLT)
  The logical unit control tables (LCTs)
  The BDT SNA line and node variable entries, including the logical unit control blocks (LCBs), ACF/VTAM's request parameter list (RPL), and LCTs for logical units (LCTLUs).
  The cell pool directory (CPD)
  The cell pool control block (CPB)
- The hexadecimal contents of BDTNUC.

The rest of this chapter describes the sections of the BDT formatted dump. The sections are described in the order in which they appear in an actual dump.

Each section begins a new page in this chapter, and each section is illustrated with an example from a dump. Parts of the examples are identified with numbers. These numbers point you to the text that follows the examples — an area marked with a 1 in the dump is described under 1 in the text.

The examples in this chapter may not, field-for-field, match the contents of your dump.

Dump Title Page

The first page of the BDT formatted dump is a title page that describes the failing module.

```
1  BDT FORMATTED DUMP:  SOC1 IN LOW-MEM      SYSID=SYSA1     DATE=85211 TIME= 7:58:30 PAGE=001

2    SOC1 ABEND AT 00000000 (LOW-MEM +00000000)

3  PSW AT TIME OF INTERRUPT: 078C0000 00000002   4  ILC-02   5  INTC=0001

6  THE INTERRUPTING INSTRUCTION IS: 0008

7  REGISTER CONTENTS AT TIME OF INTERRUPT:

 R0 =00000014  R1 =001EAC48  R2 =001EAD08  R3 =00000158  R4 =001CD038  R5 =00236554  R6 =001EACF4  R7 =0029A460
 R8 =0029C3E8  R9 =00236554  R10=0029C3E8  R11=001DE2D8  R12=00197000  R13=00201700  R14=4019D674  R15=00000000

8  THE ACTIVE FCT IS NJS     (00236554); JOB IS 0003 (JOBA )
```

Figure 1. Title Page of the Formatted Dump

- 1 This line is the dump heading. It identifies each page of the BDT formatted dump. In the heading:
- **BDT FORMATTED DUMP** is the dump name. The dump name identifies the completion, or abend, code (SOC1), and the name of the failing module (LOW-MEM). There are three possible completion code prefixes:
  - S is the MVS system completion code.
  - U is the initialization completion code.
  - BD is the BDT completion code.

  See *z/OS BDT Messages and Codes* for more information on completion codes.
- **SYSID** is the name of the BDT node.
- **DATE** is the date (yyddd) when the dump began processing.
- **TIME** is the hour, minute, and second when the dump began processing.
- **PAGE** is the dump page number.
- 2 This line contains abend information:
- **S0C1** is the completion code.
- **00000000** is the virtual address of the failing instruction. **Do not adjust this address for the length of the failing instruction.**
- **(LOW-MEM +00000000)**is the relative address of the failing instruction — module name and displacement.
- 3 **PSW AT TIME OF INTERRUPT** is the PSW for the program when the abend occurred, or when the request for a dump was made.
- 4 **ILC** is the hexadecimal instruction length code.
- 5 **INTC** is the hexadecimal interrupt code or SVC number.

- 6 **INTERRUPTING INSTRUCTION** is the object code of the failing instruction.
- 7 **REGISTER CONTENTS** is the contents of general registers 0-15.
- 8 **ACTIVE FCT** is the name of the BDT function in control when the abend occurred, and the address of the abending FCT entry.

Note: If the abending module is not a resident function, the title page will show the job number and job name in addition to the fields described.

Map of BDT Nucleus (BDTNUC)

The map of the BDT nucleus is a list of the names and virtual addresses of all modules, service routines, and data areas that reside in BDTNUC. Modules that reside in BDTNUC are called *resident functions*.

BDTNUC is located in the BDT address space at the low end of the private area. It is a non-reusable load module, loaded during BDT initialization by BDTINTK.

Map of BDTNUC in the Formatted Dump

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM            SYSID=SYSA1   DATE=85211   TIME= 7:58:30
PAGE=002


  MAP OF BDT NUCLEUS
 00197000   TVT
 001977C6   BDTGRVT   TRANSTAB
 00198668   BDTGRPT
 00198698   BDTGRPT   FCTTOP
 0019B878   BDTGRPT   BDTXEXL
 0019BC78   BDTGRCPD
 0019BCA4   BDTGRCPD  CPDTABLE
 0019BE00   BDTGRQC
 0019BE2C   BDTGRQC   BDTXBPL
 0019C590   BDTGRQC   BDTXGCL
 0019CB32   BDTGRQC   BDTXRCL
 0019D064   BDTGRQC   BDTXDPL
 0019D42C   BDTGRQC   BDTXCPD
 0019D550   BDTGRSV
 0019D57C   BDTGRSV   ASAVEYES
 0019D674   BDTGRSV   ASARETRN
 0019D810   BDTGRTX
 0019DB6C   BDTGRTX   ATRSTART
 0019DB6C   TRACEHDR
 0019E0E8   BDTIFCM
 0019F318   BDTIFCS
 0019F750   BDTLAMB   BDTLOPN
 0019F9DA   BDTLAMB   BDTLCLS
 0019FCB0   BDTLAMB   BDTLPUT
 0019FE38   BDTLAMB   BDTLGET
```

```
 001A004C   BDTLAMB   BDTLRD
 001A0094   BDTLAMB   BDTLWRT
-----------------------------------------------------
-----------------------------------------------------
 001C3360   BDTABLG
 001C49D0   BDTABMN
 001C4BF8   BDTABMN   BDTMODUP
 001C4DAE   BDTABMN   FAILDAPX
 001C5024   BDTABMN   ABSERV2
 001C572E   BDTABMN   ABSERV1
 001C6098   BDTABNO
 001C6D8C   BDTABNO   ABNCORE
 001C70C4   BDTABNO   ABNDCB
 001C72D0   BDTDJNR
 001C7A68   BDTTQDRV
 001C82C8   BDTTQINI
 001C8B08   BDTTQSUB
 001C98C0   BDTTQRCV
 001CA048   BDTTQCMD
 001CA410   BDTTQACK
 001CA860   BDTTQDAT
 001CB430   BDTGRCP   CKPTDATA
 001CB430   CKPTDATA
```

Transfer Vector Table (TVT)

The BDT transfer vector table (TVT) is the primary control block of BDT. It includes pointers to the beginnings of control block chains, addresses of general BDT routines, constants, and initialization parameters from the OPTIONS statement. It is located at CSECT BDTGRVT at the beginning of BDTNUC.

The TVT entries occupy three pages in the BDT formatted dump. The entries are described in the pages that follow. A sentence at the beginning of each page tells which portion of which TVT page in the BDT formatted dump is being described.

A layout of the TVT, with an alphabetical cross-reference of the fields in the TVT, is included in Chapter 3, “BDT Data Areas,” on page 45.

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM               SYSID=SYSA1   DATE=85211   TIME= 7:58:30  PAGE=005

                                  TRANSFER VECTOR TABLE (BDTDTVT) - VERSION 2 RELEASE 1

     OFFSET    LABEL       DATA        LABEL       DATA        LABEL       DATA        LABEL       DATA

      0000    TVTID       E3E5E340    TVTVERS     F1F0F0F0    TVTLNGTH    0538        TVTINDAT    0085211F
      0010    TVTINTIM    07491325    TVTRELNR    F2F0F0F0    TVTASAVE    0019D57C    TVTASVRT    0019D674
      0020    TVTADEQ     001BE3B0    TVTAPTMN    001BE088    TVTAGTMN    001BDDD4    TVTALLOC    001BCA38
      0030    TVTXBPL     0019BE2C    TVTXCPD     0019D42C    TVTXGCL     0019C590    TVTXRCL     0019CB32
      0040    TVTXDPL     0019D064    TVTAWAIT    80          TVTAWTA     1B          TVTAWTL     81
      0049    TVTAWTLA    1B          TVTAWTOF    50          TVTAWTOA    1B          TVTAWTOL    51
      0051    TVTWTOLA    1B          TVTAWTE     FF          TVTAWTEA    1B          TVTABMNO    001C49D0
      005C    TVTABND0    001C6098    TVTABSRV    001C5024    TVTFLDAP    001C4DAE    TVTGSDAX    001C572E
      006C    TVTCSECF    00          TVTCSRQR    001C3060    TVTCSRCP    00233EC0    TVTADFCT    001C26B2
      0078    TVTDLFCT                TVTFNFCT    001C284A    TVTGTFCT    001C257C    TVTPTFCT    001C27CE
-------------------------------------------------------------------------------------------------------------

-------------------------------------------------------------------------------------------------------------
      0698    TVTAPLNJ+4  C1F1D540    TVTASRIM    00001770    TVT                                 4040
      06B6    TVTRSJCT    0064        TVTSYSID    E2E8E2C1    TVTSYSID+4  F1404040    TVTNJEID    E2E8E2C1
      06C4    TVTNJEID+4  F1D54040    TVTTQITD    00000BB8    TVTFSFG1    01          TVTFSFG2    03
      06CE    TVTOPTNS    C8          TVTQIDFG    00          TVTSYSLG    801C9670    TVTJES      F3
      06D5    TVTSLOGC    F2          TVTJSXMX    0040        TVTSLOGL    00001770    TVTSLOGP    0000003C
      06E0    TVTSYSN     E2E8E2C1    TVTSYSN+4   F3F0F8F1    TVTRSD29    00000000    TVTRSD30    00000000
      06F0    TVTRSD31    00000000    TVTRSD32    00000000    TVTRSS30    00000000    TVTRSS31    00000000
      0700    TVTRSS32    00000000    TVTRSS33    00000000    TVTRSS34    00000000    TVTRSS35    00000000
      0710    TVTRSU01    00000000    TVTRSU02    00000000    TVTRSU03    00000000    TVTRSU04    00000000
      0720    TVTSXHDR    E7D6C9C4    TVTSXREL    F1F0F0F0    TVTSXLEN    003C        TVTSXBS1    E2E8E2C1
      072E    TVTSXBS1+4  F1404040    TVTSXBSN    E2E8E2C1    TVTSXBSN+4  F3F0F8F1    TVTSXTYP    07
      073B    TVTSXFL1    00          TVTSDDRS    00000000    TVTSDDRS+4  00000000    TVTSXRD2    00000000
      0748    TVTSXRD3    00000000    TVTSXRS1    00000000    TVTSXRS2    00000000    TVTSXRU1    00000000
```

Figure 2. BDT TVT in the Formatted Dump

This page describes the upper-left quarter of the first TVT page in the dump.

TVTID
is the control block acronym.

TVTVERS
is the TVT version ID.

TVTINTIM
is the time BDT started — hhmmssth.

TVTRELNR
is the BDT release number.

TVTADEQ
indicates resource management.

TVTAPTMN
is the FREEMAIN address.

TVTXBPL
is the quik cell SVCS-build pool.

TVTXCPD
is the quik cell SVCS-CPD access.

TVTXDPL
is the quik cell SVCS-DEL pool.

TVTAWAIT
is the await condition code.

TVTAWTLA
is MFM await processing.

TVTAWTOF
is the await-off condition code.

TVTWTOLA
is MFM await processing.

TVTAWTE
is the await exit condition code.

TVTABND0
is the formatted dump router.

TVTABSRV
is the ESTAE recovery abend SVC.

TVTCSECF
is the common subtask request ECF.

TVTCSRQR
is the common subtask request queue routine.

TVTDLFCT
is the delete FCT routine.

TVTENFCT
is the ENQ/DEQ FCT routine.

TVTIFECF
is the interfunction communication manager ECF.

TVTIFSND
is the interfunction communication send routine.

TVTJNUMR
is the return-a-job-number routine.

TVTJSSRT
is the DAP return point to BDTGRJR.

TVTGETLU
is the LU “put”.

TVTPUTLU
is the “put” LU.

TVTLPUT0
is the LU “get”.

TVTLGET0
is the LU “put”.

TVTXTRC
is the trace routine entry point.

TVTVATR
is the trace routine control area.

TVTRSD02
is reserved.

TVTRFMT0
is the RBAM format queue.

TVTOPN0
is the open RBAM file.

TVTRPRG0
indicates return blocks.

TVTSNOPN
is the SNA BDTXLOPN extension.

TVTSNCLS
is the SNA BDTXLCLS extension.

TVTSCDTA
is the BDT SNA manager data area.

TVTSNRD
is the SNA BDTXLWRD extension.

TVTRQTBA
is the RESQUEUE table address.

TVTRQTBD
is the RESQUEUE table delete character.

TVTXJQE
is the JQE access routine.

TVTXCOMP
is the SCNBLNK compression routine.

TVTCKPNT
is the checkpoint.

TVTABNGT
is the virtual address validation routine.

TVTRSD51
is reserved.

TVTMODLK
is the module name look-up routine.

TVTMFMEP
is the emulation program for the multi-function monitor.

TVTSUPC
is the superscan routine entry point.

TVTXOIDF
is the XOID formatting routine.

TVTXTIME
is the timing services routine.

This page describes the upper-right quarter of the first TVT page in the dump.

TVTLNGTH
is the TVT length.

TVTINDAT
is the date BDT started — 00yydddf.

TVTASAVE
is the ASAVE processing routine.

TVTASVRT
is the ASAVE processing return.

TVTAGTMN
is the GETMAIN address.

TVTALLOC
is the address of the dynamic allocation routine.

TVTXGCL
is the quik cell SVCS “get” cell.

TVTXRCL
is the quik cell SVCS-return cell.

TVTAWTA
indicates MFM await processing.

TVTAWTL
is the await-list condition code.

TVTAWTOA
indicates MFM await processing.

TVTAWTOL
is the awaitoff-list condition code.

TVTAWTEA
is MFM await processing.

TVTABMN0
is the BDT ESTAE routine.

TVTFLDAP
is the fail-a-DAP routine.

TVTGSDAX
is the ESTAE exit abend SVC routine.

TVTCSRCP
is the common subtask request cell pool.

TVTADFCT
is the “add” FCT routine.

TVTGTFCT
is the “get” FCT routine.

TVTPTFCT
is the “put” FCT routine.

TVTFDJNR
is the find-a-job-number routine.

TVTJOBNR
is the job number.

TVTSSNJ
is the DAP return point to BDTGRNJ.

TVTXCKPT
is the DAP checkpoint routine.

TVTLOPN0
is the LU open routine.

TVTLCLS0
is the close-RBAM-file routine.

TVTLRD0
is the LREAD routine emulation program.

TVTLWRT0
is the LWRITE routine emulation program.

TVTLGREC
is the logical record suppression routine.

TVTRSD01
is reserved.

TVTRALC0
indicates allocation blocks (RBNS).

TVTRCLS0
is the LU close routine.

TVTRRED0
is the read data routine.

TVTRWRT0
is the write data routine.

TVTSNGET
is set by the SNA BDTXLGET extension.

TVTSNPUT
is set by the SNA BDTXLPUT extension.

TVTSNWRT
is set by the BDTXLWRT extension.

TVTDQMSG
is the BDTXDQMS service routine.

TVTRQTBP
is the RESQUEUE table “put” routine.

TVTXJCT
is the JCT access routine.

TVTXDCMP
is the data compress/decompress routine.

TVTBDKEY
is the BDT storage protect key.

TVTCSF
is the call subtask function routine.

TVTDJNR
is DJC net release processing.

TVTMESAG
is the console message.

TVTNMSG
is message handler support.

TVTTUAM
is the MJD text unit access method.

TVTRSD05
is reserved.

TVTRSD06
is reserved.

TVTXACC
is the BDT accounting STIMER routine.

This page describes the lower-left quarter of the first TVT page in the dump.

TVTXLOG
is the BDT log manager.

TVTSLACB
is the access method CB pointer.

TVTRSD10
is reserved.

TVTEXL
is the user exit routine address list.

TVTRSD13
is reserved.

TVTRSD14
is reserved.

TVTRSS06
is reserved.

TVTRS07
is reserved.

TVTRSS10
is reserved.

TVTRSS11
is reserved.

TVTRSS14
is reserved.

TVTRSS15
is reserved.

TVTINITF
is the BDT initialization flag.

TVTINDTA
is the pointer to the initialization data CSECT.

TVTICMCP
is the address of the ICMB cell pool CPB.

TVTIFCCP
is the address of the IFC cell poll CPB.

TVTJMLCP
is the address of the JML cell pool CPB

TVTNUMAP
is the map of the BDTNUC CSECTs.

TVTSVCPB
is the address of the save area cell pool CPB.

TVTTQECP
is the address of the TQE cell pool CPB.

TVTLCTUN
is set by the BDTINGN logical units table.

TVTRSTPU
is the first physical entry in restabilization.

TVTSNLTP
is the BDT SNA line LCTUNITS chain.

TVTXFER
is the start of transfer LCTs.

TVTRSD18
is reserved.

TVTRSS16
is reserved.

TVTXDQUE
is the transaction driver queue.

TVTADFQE
is the address of the first queue entry.

TVTXDQLO
is the transaction driver low watermark.

TVTXMQUE
is the cross-memory queue.

TVTXMQHI
is the cross-memory high watermark.

TVTXMQLO
is the cross-memory low watermark.

TVTRSV02
is reserved.

TVTRSV03
is reserved.

TVTNRDAP
is the dynamic DAP counter.

TVTCLDAP
is the called DAP counter.

TVTRSV05
is reserved.

TVTRSV06
is reserved.

TVTRSS19
is reserved.

TVTRSS20
is reserved.

TVTMTECB
is the BDT master ECB flag.

TVTAMECB
is the address of the master ECB.

TVTNUECB
is the ECB that BDTINTK waits on.

TVTAMQUE
is the BDT action message queue.

TVTCMTCB
is the TCB for BDTCMDV.

TVTCSRQU
is the common subtask request queue.

TVTFCTTP
is the first FCT entry.

TVTMSGQU
is the OCMB queue for BDTMSDV.

TVTJQX
is the address of the JQX.

TVTJSSFC
is the BDTGRJS FCT.

This page describes the lower-right quarter of the first TVT page in the dump.

TVTSLEXL
is an access method CB pointer.

TVTSLRPL
is an access method CB pointer.

TVTRSD11
is reserved.

TVTRSD12
is reserved.

TVTRSD15
is reserved.

TVTRSS05
is reserved.

TVTRSS08
is reserved.

TVTRSS09
is reserved.

TVTRSS12
is reserved.

TVTRSS13
is reserved.

TVTEPE
is the end of entry points.

TVTABDCB
is the abend DCB.

TVTMSTCB
is the BDT master TCB.

TVTFCTCP
is the address of the FCT cell pool CPB.

TVTIFNCP
is the address of the NJE IFC cell pool CPB.

TVTJCBCP
is the address of the JCT buffer cell pool CPB.

TVTOCMCP
is the address of the OCMB cell pool CPB.

TVTSCPD
is the BDT system cell pool directory.

TVTTQICP
is the address of the TQI cell pool CPB.

TVTIFC
is the start of the IFC LCTs.

TVTRLTTB
is the resident RLT table.

TVTSNBP
is the BDT SNA buffer pool.

TVTMSGDV
is the address of the first MSGD data area.

TVTRSD17
is reserved.

TVTRSS17
is reserved.

TVTRSS18
is reserved.

TVTXDQCT
is the number of elements queued.

TVTXDQHI
is the high watermark.

TVTXMQ
is the BDTCMDV cross-memory queue.

TVTXMQCT
is the number of elements on the queue.

TVTXDECF
is the transaction driver ECF.

TVTRSV01
is reserved.

TVTRSV04
is reserved.

TVTRSDAP
is the resident DAP counter.

TVTPFLG1
is the BDT termination flag 1.

TVTPFLG2
is the BDT termination flag 2.

TVTRSV07
is reserved.

TVTRSV08
is reserved.

TVTRSS21
is reserved.

TVTITECB
is the ECB for BDTINIT to wait on.

TVTMCECB
is the MCS console command ECB.

TVTMSECB
is the BDT master ECB.

TVTBTAB
is the RBAM bit table.

TVTCKPAR
is the checkpoint area.

TVTEFTOP
is the top of the RESQUEUE ending function.

TVTNETOP
is the NJE ending function queue.

TVTITKPM
is the address of the BDTINTK parameters list.

TVTJNM
is the address of the job number table.

TVTLBDCB
is the BDTLIB DCB pointer.

TVTRSD19
is reserved.

This page describes the upper-left quarter of the second TVT page in the dump.

TVTSTGLS
is the start of the nucleus.

TVTNUCND
is the end-of-nucleus flag.

TVTRSTBL
is the resource management table.

TVTTRTAB
is the system-translate table.

TVTSSCVT
is the pointer to the BDT SSCVT.

TVTWFCT
is the “wait” FCT address.

TVTRSD22
is reserved.

TVTRSD23
is reserved.

TVTRSS24
is reserved.

TVTRSS25
is reserved.

TVTRSS28
is reserved.

TVTRSS29
is reserved.

TVTDDBRQ+8
is the master DDBFX, bytes 9-12.

TVTDDBFX
is the master DDBFX.

TVTSZBUX
is the initialization flag, first halfword.

TVTBUFSZ
is the size of the buffer — halfword.

TVTIFCGM
is the current storage being used for IFC buffers obtained by GETMAIN.

TVTIFCCT
is the current count of IFC buffers obtained by GETMAIN.

TVTRSU05
is reserved.

TVTRSU06
is reserved.

TVTRSD56
is reserved.

TVTRSD57
is reserved.

TVTRSD60
is reserved.

TVTJSCMX
indicates the currently scheduled transfers.

TVTRSD36
is reserved.

TVTRSD37
is reserved.

TVTRSD40
is reserved.

TVTRSD41
is reserved.

TVTRSS42
is reserved.

TVTRSS43
is reserved.

TVTACECF
is the accounting ECF.

TVTRSD44
is reserved.

TVTRSTFL
is the BDT start flag.

TVTSTATE
is the BDT connection state machine.

TVTTQECF
is the TQI ECF.

TVTTQIOF
is the TQI-inoperative flag.

TVTCPSD2
is group 2 of the slow-down flags.

TVTCDECF
is the communications driver ECF.

TVTRSD47
is reserved.

TVTRSD53
is reserved.

TVTRSS49
is reserved.

TVTRSS50
is reserved.

TVTRSS53
is reserved.

TVTRSS54
is reserved.

TVTBDTPL
is used by BDTXGMPM for the default subpool.

TVTBLANK
indicates constant blanks.

TVTHXCHR
indicates hexadecimal characters.

TVTRSD26
is reserved.

TVTSNSET
is the total of SNA sessions for file-to-file.

TVTSNSTN
is the total of SNA sessions for NJE.

TVTRSD55
is reserved.

TVTJMLWA
is the JML work area, bytes 1-4.

TVTJMLWA+12
is the JML work area, bytes 13-16.

TVTCID
is the component ID, bytes 1-4.

This page describes the upper-right quarter of the second TVT page in the dump.

TVTNUCNA
is the end of nucleus address.

TVTOCMQU
is the output console message queue.

TVTSCAN
is the scan/validate/translate table.

TVTSPDCB
is the spool DCB.

TVTRSD20
is reserved.

TVTRSD21
is reserved.

TVTRSD24
is reserved.

TVTRSS23
is reserved.

TVTRSS26
is reserved.

TVTRSS27
is reserved.

TVTDDBRQ
is the master DDBFX, bytes 1-4.

TVTDDBRQ+4
is the master DDBFX, bytes 5-8.

TVTDDBFX+4
is the master DDBFX, bytes 1-4.

TVTRSD33
is reserved.

TVTRSD34
is reserved.

TVTCPUID
is the CPU ID.

TVTIFCGH
is the high watermark for the IFC.

TVTIFCCH
is the high watermark for the number of IFC buffers obtained by GETMAIN.

TVTRSU07
is reserved.

TVTRSU08
is reserved.

TVTRSD58
is reserved.

TVTRSD59
is reserved.

TVTLNOHI
is the TQI high watermark for the LCTOUT queue.

TVTLNOLO
is the TQI low watermark for the LCTOUT queue.

TVTRSD38
is reserved.

TVTRSD39
is reserved.

TVTRSS40
is reserved.

TVTRSS41
is reserved.

TVTRSS44
is reserved.

TVTRSS45
is reserved.

TVTJSFL1
is a JSS flag byte.

TVTJSFL2
is a JSS flag byte.

TVTSTFLG
is the BDT connect state machine flag.

TVTSNECF
is the BDT SNA manager ECF.

TVTTQIFG
is the TQI control flag.

TVTCPSD1
is group 1 of the slowdown flags.

TVTCDECX
is the communication driver ECF extension.

TVTMSGCF
is the message data set driver ECF.

TVTRSD54
is reserved.

TVTRSS48
is reserved.

TVTRSS51
is reserved.

TVTRSS52
is reserved.

TVTRSS55
is reserved.

TVTADMSK
is the constant for the address mask.

TVTCPUF
is the CPU factor.

TVTDFACT
indicates default accounting.

TVTRMFF
is the hexadecimal constant FF.

TVTRM7F
is the hexadecimal constant 7F.

TVTSNSEL
is the session limit.

TVTZERO
is the zero constant.

TVTJMLWA+4
is bytes 5-8 of the JML work area.

TVTJMLWA+8
is bytes 9-12 of the JML work area.

TVTCID+4
is bytes 5-8 of the component ID.

TVTCIDB
is the component ID base.

This page describes the lower-left quarter of the second TVT page in the dump.

TVTRSS56
is reserved.

TVTRSS57
is reserved.

TVTEBCOM
is the NJE communications VLU name (external).

TVTEBCS1
is the an NJE VLU name (external).

TVTEBCS1+9
is an NJE VLU name (external).

TVTEBCS2
is an NJE VLU name (external).

TVTEBCS2+9
is an NJE VLU name (external).

TVTEBCS3
is an NJE VLU name (external).

TVTEBCS3+9
is an NJE VLU name (external).

TVTEBCS4
is an NJE VLU name (external).

TVTEBCS4+9
is an NJE VLU name (external).

TVTEBCS5
is an NJE VLU name (external).

TVTEBCS5+9
is an NJE VLU name (external).

TVTEBCS6
is an NJE VLU name (external).

TVTEBCS6+9
is an NJE VLU name (external).

TVTEBCS7
is an NJE VLU name (external).

TVTEBCS7+9
is an NJE VLU name (external).

TVTSTCOM
is the NJE communications VLU name (internal).

TVTSTID1+2
is an NJE VLU name (internal).

TVTSTID1+3
is an NJE VLU name (internal).

TVTSTID2+2
is the an NJE VLU name (internal).

TVTSTID2+3
is the an NJE VLU name (internal).

TVTSTID3+2
is an NJE VLU name (internal).

TVTSTID3+3
is an NJE VLU name (internal).

TVTSTID4+2
is an NJE VLU name (internal).

TVTSTID4+3
is an NJE VLU name (internal).

TVTSTID5+2
is an NJE VLU name (internal).

TVTSTID5+3
is an NJE VLU name (internal).

TVTSTID6+2
is an NJE VLU name (internal).

TVTSTID6+3
is an NJE VLU name (internal).

TVTSTID7+2
is an NJE VLU name (internal).

TVTSTID7+3
is an NJE VLU name (internal).

TVTCICDYN
is the DYNALLOC card, bytes 1-4.

TVTCICDYN+4
is the DYNALLOC card, bytes 5-8.

TVTCIDYX+4
is bytes 5-8 of TVTCIDYX.

TVTCIDYX+8
is bytes 9-12 of TVTCIDYX.

TVTCIDAT
is the initialization checkpoint data, bytes 1-4.

TVTCIDAT+4
is the initialization checkpoint data, bytes 5-8.

TVTCIDAX+4
is bytes 5-8 of TVTCIDAX.

TVTCIDAX+8
is bytes 9-12 of TVTCIDAX.

TVTCIDAX+20
is bytes 21-24 of TVTCIDAX.

TVTCIDAX+24
is bytes 25-28 of TVTCIDAX.

TVTCIDAX+36
is bytes 37-40 of TVTCIDAX.

TVTCICK1
is checkpoint record 1, bytes 1-4.

TVTCICKX
is 5 extent entries, bytes 1-4.

TVTCICKX+4
is 5 extent entries, bytes 5-8.

TVTCICKX+16
is 5 extent entries, bytes 16-19.

TVTCICK2
is checkpoint record 2, bytes 1-4.

TVTCICKY
is 5 extent entries, bytes 1-4.

TVTCICKY+4
is 5 extent entries, bytes 5-8.

TVTCICKY+16
is 5 extent entries, bytes 16-19.

TVTCIJCT
is the JCT DDB fixed area.

TVTCIJCX
is 10 extent entries, bytes 1-4.

TVTCIJCX+4
is 10 extent entries, bytes 5-8.

This page describes the lower-right quarter of the second TVT page in the dump.

TVTRSS58
is reserved.

TVTRSS59
is reserved.

TVTEBCS1+3
is an NJE VLU name (external).

TVTEBCS1+6
is an NJE VLU name (external).

TVTEBCS2+3
is an NJE VLU name (external).

TVTEBCS2+6
is an NJE VLU name (external).

TVTEBCS3+3
is an NJE VLU name (external).

TVTENCS3+6
is an NJE VLU name (external).

TVTEBCS4+3
is an NJE VLU name (external).

TVTEBCS4+6
is an NJE VLU name (external).

TVTEBCS5+3
is an NJE VLU name (external).

TVTEBCS5+6
is an NJE VLU name (external).

TVTEBCS6+3
is an NJE VLU name (external).

TVTEBCS6+6
is an NJE VLU name (external).

TVTEBCS7+3
is an NJE VLU name (external).

TVTEBCS7+6
is an NJE VLU name (external).

TVTSTID1
is an NJE VLU name (internal).

TVTSTID1+1
is an NJE VLU name (internal).

TVTSTID2
is an NJE VLU name (internal).

TVTSTID2+1
is an NJE VLU name (internal).

TVTSTID3
is an NJE VLU name (internal).

TVTSTID3+1
is an NJE VLU name (internal).

TVTSTID4
is an NJE VLU name (internal).

TVTSTID4+1
is an NJE VLU name (internal).

TVTSTID5
is an NJE VLU name (internal).

TVTSTID5+1
is an NJE VLU name (internal).

TVTSTID6
is an NJE VLU name (internal).

TVTSTID6+1
is NJE VLU name (internal).

TVTSTID7
is an NJE VLU name (internal).

TVTSTID7+1
is an NJE VLU name (internal).

TVTABTIM
is the BDTINCD recursive abend time delay.

TVTABMAX
indicates the BDTINCD recursive abend, maximum abends.

TVTCIDYN+8
is bytes 9-12 of the DYNALLOC card.

TVTCIDYX
is 5 extent entries, bytes 1-4.

TVTCIDYX+12
is 5 extent entries, bytes 13-16.

TVTCIDYX+16
is 5 extent entries, bytes 17-20.

TVTCIDAT+8
is the initialization checkpoint data, bytes 9-12.

TVTCIDAX
is 10 extent entries, bytes 1-4.

TVTCIDAX+12
is 10 extent entries, bytes 13-16.

TVTCIDAX+16
is 10 extent entries, bytes 17-20.

TVTCIDAX+28
is 10 extent entries, bytes 29-32.

TVTCIDAX+32
is 10 extent entries, bytes 33-36.

TVTCICK1+4
is checkpoint record 1, bytes 5-8.

TVTCICK1+8
is checkpoint record 1, bytes 9-12.

TVTCICKX+8
is 5 extent entries, bytes 9-12.

TVTCICKX+12
is 5 extent entries, bytes 13-16.

TVTCICK2+4
is checkpoint record 2, bytes 5-8.

TVTCICK2+8
is checkpoint record 2, bytes 9-12.

TVTCICKY+8
is 5 extent records, bytes 9-12.

TVTCICKY+12
is 5 extent records, bytes 13-16.

TVTCIJCT+4
is the JCT DDB fixed area, bytes 5-8.

TVTCIJCT+8
is the JCT DDB fixed area, bytes 9-12.

TVTCIJCX+8
is 10 extent entries, bytes 9-12.

TVTCIJCX+12
is 10 extent entries, bytes 13-16.

This page describes the upper-left quarter of the third TVT page in the dump.

TVTCIJCX+16
is 10 extent entries, bytes 17-20.

TVTCIJCX+20
is 10 extent entries, bytes 21-24.

TVTCIJCX+32
is 10 extent entries, bytes 33-36.

TVTCIJCX+36
is 10 extent entries, bytes 37-40.

TVTDDBR3
is reserved.

TVTDDBR4
is reserved.

TVTJBNTL
is the default job execution time.

TVTAPLID
is the application ID for the open ACB.

TVTAPLNJ+4
is the application ID for the NJE ACB, bytes 5-8.

TVTASRTM
is the ASR time delay.

TVTRSJCT
is the resident JCT maximum count.

TVTSYSID
is the BDT system ID for file-to-file.

TVTNJEID+4
is the BDT system ID for NJE, bytes 5-8.

TVTTQITD
is the TQI time delay — 30 seconds.

TVTOPTNS
is the BDT options flag.

TVTQIDFG
is the auto disable flag for TQI.

TVTSLOGC
is the default BDT SYSLOG class.

TVTJSXMX
is the maximum number of scheduled transfers.

TVTSYSN
is the SYSNAME for the proc BDT is on, bytes 1-4.

TVTSYSN+4
is the SYSNAME for the proc BDT is on, bytes 5-8.

TVTRSD31
is reserved.

TVTRSD32
is reserved.

TVTRSS32
is reserved.

TVTRSS33
is reserved.

TVTRSU01
is reserved.

TVTRSU02
is reserved.

TVTSXHDR
is the control block acronym.

TVTSXREL
is the version ID.

TVTSXBSI+4
is the transaction origin — BDT SYSID.

TVTSXBSN
is the transaction origin — BDT SYSNAME.

TVTSXFL1
is the XOID flag 1.

TVTSDDRS
is the DDNAME.

TVTSXRD3
is reserved.

TVTSXRS1
is reserved.

TVTSXRU2
is reserved.

This page describes the upper-right quarter of the third TVT page in the dump.

TVTCIJCX+24
is 10 extent entries, bytes 25-28.

TVTCIJCX+28
is 10 extent entries, bytes 29-32.

TVTDDBR1
is reserved.

TVTDDBR2
is reserved.

TVTACNTL
is the accounting timing interval — .01 seconds.

TVTJBPTY
is the default job priority.

TVTAPLID+4
is the application ID for the open ACB, bytes 5-8.

TVTAPLNJ
is the application ID for the NJE ACB.

TVTJBRPD
is the job retention period (days).

TVTRSD25
is reserved.

TVTSYSID+4
is the BDT system ID for FTF, bytes 5-8.

TVTNJEID
is the BDT system ID for NJE.

TVTFSFG1
is the fail-soft flag 1.

TVTFSFG2
is the fail-soft flag 2.

TVTSYSLG
is the SYSLOG flag.

TVTJES
is the JES identifier.

TVTSLOGL
is the default BDT SYSLOG line limit.

TVTSLOGP
is the default BDT SYSLOG page length.

TVTRSD29
is reserved.

TVTRSD30
is reserved.

TVTRSS30
is reserved.

TVTRSS31
is reserved.

TVTRSS34
is reserved.

TVTRSS35
is reserved.

TVTRSU03
is reserved.

TVTRSU04
is reserved.

TVTSXLEN
is the XOID length.

TVTSXBSI
is the transaction origin — BDT SYSID.

TVTSXBSN+4
is the transaction origin — BDT SYSNAME.

TVTSXTYP
is the transaction origin — type.

TVTSDDRS+4
is the DDNAME, bytes 5-8.

TVTSXRD2
is reserved.

TVTSXRS2
is reserved.

TVTSXRU1
is reserved.

Function Control Table (FCT)

A function control table (FCT) contains an entry for each resident BDT function and an entry for each nonresident BDT function. The nonresident functions are the dynamic application programs (DAPs) that copy data. The formatted dump produces one page for each FCT entry. The order of the FCT entries indicates their priority at the time the dump is taken.

Figure 3 on page 26 is an example of the page for a *resident* BDT function.

See Figure 4 on page 28 for an example of the page for a nonresident BDT function.

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM                  SYSID=SYSA1   DATE=85211   TIME= 7:58:30  PAGE=008

                                                FUNCTION CONTROL TABLES

1        2                        3

00198698   TCB ADDRESS IS 0077E990   PROGRAM NAME IS TIMER

       4 ECF OF X'C0' AT 001B8FCC IS NOT POSTED      5 AWAIT RETURN IS 501B877A

           6 ID          VER         LEN
             C6C3E340    F1F0F0F0    0190

           7 REG 0- 7    800000C0    001B8FCC    001988A8    00244024    00000000    00000005    000001F4    801B89A6
             REG 8-15    001988A8    0077E990    001B86C0    00198698    00197000    00201000    501B877A    00198698

           8 SAVCH       PRTY     9 SESEQ       RSD01    10 RSD02       RQAD     11 GSD         GLIST
             00198828    FA          00          00          00          00000000    001988A8    00198A9C

             DAPDC       DATAC       DRVRC       LOGINM      LOGINA      ICMQ        IFCM        IFCA        IFCQU
             001CB948    00000000    00000000    00000000    00000000    00000000    00000000    00000000    00000000

             JSRSH       RSD04       GETSZ       RSCNT       JCTC        ABECF       ABCNT       RSD05       RSD06
             00000000    00000000    0000        0000                    FF          00          00          00

             FLAG1       FLAG2       FLAG3       FLAG4       FSFLG       CSRFG       TSFLG       ABCDE
             00          00          C0          00          00          00          D0

             RSD07       RSD08       RSD09       RSD10       RSD11       RSD12       RSD13       RSD14
             00000000    00000000    00000000    00000000    00          00          00          00

             RSS01       RSS02       RSS03       RSS04       RSS05       RSS06
             00000000    00000000    00          00          00          00

             RSU01       RSU02       RSU03       RSU04       RSU05       RSS06
             00000000    00000000    00          00          00          00

       12 GETUNIT LIST -             NUMBER      GLLUDDNM    GLADDR
                                        1        ********** ********

       13 CALLING SEQUENCE AND ACTIVE SAVE AREA CHAIN

00198828       SAVWORK-----00000000    SAVBACHN----00194ED8    SAVFOCHN----00201000    SAVRETN-----601DFC63

               REG 0- 7    00000100    00000080    001988A8    00000000    001974CC    00000005    00196B7C    001C49D0
               REG 8-15    001988A8    0077E990    001DFBA8    00198698    00197000    00198698    601DFC6E    001B86C0
               SAVFCT------00198698    SAVRSD01----00000000            D1-00000000    00000000 D2-00000000    00000000
                       D3-00000000    00000000 D4-00000000    00000000 D5-00000000    00000000 D6-00000000    00000000

          EP BDTGRTS LOCATED AT 001B86C0 (BDTGRTS +00000000) CALLED FROM 601DFC6C (BDTGSC1 +000000C4)

00201000       SAVWORK-----00000000    SAVBACHN----00198828    SAVFOCHN----00000000    SAVRETN-----13000000
               REG 0- 7    131B8E90    001B8FA4    001988A8    00244024    00000000    00000005    000001F4    801B89A6
               REG 8-15    001988A8    0077E990    001B86C0    00198698    00197000    00198698    13000000    00000000
               SAVFCT------00198698    SAVRSD01----00000000            D1-00000000    00000000 D2-00000000    00000000
                       D3-00000000    00000000 D4-00000000    00000000 D5-00000000    00000000 D6-00000000    00000000
```

Figure 3. BDT FCT in the Formatted Dump — Resident Functions

1 **00198698** is the hexadecimal address of the FCT entry.

2 **TCB ADDRESS** is the address of the task control block (TCB).

3 **PROGRAM NAME** is the name of the FCT.

4 **ECF OF X'CO'**indicates the ECF mask currently outstanding, its address, and whether the ECF is posted.

5 **AWAIT RETURN**indicates the hexadecimal address to which the AWAIT routine will return when the ECF is posted.

6 **ID** is the control block ID.

VER is the FCT version number.

LEN is the length of the FCT.

7 **REG 0-15** is the FCT register save area, used to save registers over a BDT XWAIT macro service.

8 **SAVCH** is the address of the active save area chain.

PRTY is the function priority.

DAPDC is the address of the DAP dictionary entry.

DATAC is the address of the DAP data CSECT.

JSRSH is the job scheduler requeue request.

RSDO4 is reserved.

FLAG1 is a flag. See flag byte FCTFLAG1 in a listing of the FCT.

FLAG2 is a flag. See flag byte FCTFLAG2 in a listing of the FCT.

RS fields are reserved.

9 **SESEQ** is the scheduler element (SE) sequence number of this function.

RSD01 is reserved.

DRVRC is the address of the DAP driver CSECT.

LOGINM is the LOGIN ECF mask.

GETSZ is the size of gotten storage for this entry.

RSCNT is the number of resources enqueued.

FLAG3 is a flag. See flag byte FCTFLAG3 in a listing of the FCT.

FLAG4 is a flag. See flag byte FCTFLAG4 in a listing of the FCT.

RS fields are reserved.

10 **RSD02** is reserved.

RQAD is the address of the resident job queue entry.

LOGINA is the login ECF address.

ICMQ is the input console message queue.

JCTC is the system ID of the cancel JCTC function.

ABECF is the recursive abend ECF.

FSFLG is the DAP fail-soft flag.

CSRFG is the common subtask request flag.

RS fields are reserved.

11 **GSD** is the address of the GSD.

GLIST is the address of the GETUNIT list.

IFCM is the IFC ECF mask.

IFCA is the IFC ECF address.

ABCNT is the recursive abend count.

RSD05 is reserved.

TSFLG is the timing services flag.

ABCDE is the formatted job completion code. **RS** fields are reserved.

12 **GETUNIT LIST** contains this information:

NUMBER is the number of the GETUNIT list entry for that FCT.

GLLUDDNM is the DDNAME of the GETUNIT list entry. (Asterisks indicate that this field is not applicable.)

GLADDR is the address of the LCTUNITS table. (Asterisks indicate that this field is not applicable.)

13 **CALLING SEQUENCE AND ACTIVE SAVE AREA CHAIN** is the current save area chained off the FCT entry.

Figure 4 on page 28 is an example of a page for a *nonresident* BDT function. It shows lines describing the DAP that processes the job.

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM                    SYSID=SYSA1   DATE=85211   TIME= 7:58:30  PAGE=019
 1          2                    3                          4                      5
00236000   TCB ADDRESS IS 00782D90   DAP      NAME IS SNA              JOB NUMBER IS 1        JOB PRIORITY IS 15
       6  MODULE NAME IS BDTSNA  7  MODULE BASE IS 00289DA0  8  SE   SEQUENCE IS 1

           ECF OF X'7A' AT 001973A5 IS NOT POSTED          AWAIT RETURN IS 5028CFC4

               ID          VER         LEN
               C6C3E340    F1F0F0F0    0190

               REG 0- 7    8000007A    001973A5    001CB430    00000000    001E0FAC    A028CE72    00236438    0028ADA0
               REG 8-15    0028CE0A    001C1408    0028CB70    00289DA0    00197000    00201400    5028CFC4    00236000

               SAVCH       PRTY        SESEQ       RSD01       RSD02       RQAD        GSD         GLIST
               00236384    0F          01          00          00          00236438    00236190    00236510
```

Figure 4. BDT FCT in the Formatted Dump — Nonresident Functions

1 **00236000** is the hexadecimal address of the DAP.

2 **TCB ADDRESS** is the address of the task control block (TCB).

3 **DAP NAME** is the name of the DAP.

4 **JOB NUMBER** is the number of the job that the DAP represents.

5 **JOB PRIORITY** is the priority of the job.

6 **MODULE NAME** is the name of the module that represents the DAP (may not be retrievable).

7 **MODULE BASE** is the base address of the module that represents the DAP (may not be retrievable).

8 **SE** is the sequence number of the DAP being executed (always 1).

Job Queue Element (JQE)

A job queue element (JQE) contains basic information about an active job.

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM                    SYSID=SYSA1   DATE=85211   TIME= 7:58:30  PAGE=024
                                                      BDT JOB QUEUE ELEMENTS
 1          2          3          4                                  5        6        7     8        9      10
00257460   JOBNAME    ID         JCTDDB1   JCTDDB2   JCTDDB3        NETID    JBNO     PREV  NEXT     PRTY   UCNT
            -         JQE        00000000  00000000  00000100                  1        0     0         15      0

    11         12         13         14         15         16         17         18         19         20         21
   JQERW      FCT ADDR   JML LOCK   FCT ADDR   JML        JQEDATE    JQELOC     JQEJGID    JQEJOBN    JQEJJNO    J1 J2 J3 S2 F1 F5
   00000000   0019B028   00000000   00000000   00000000   00000000   SYSA1                 SNSNA                 40 00 00 70 80
```

Figure 5. BDT JQE in the Formatted Dump

1 **00257460** is the address of the JQE entry.
2 **JOBNAME** is the job name.
3 **ID** is the control block acronym.
4 **JCTDDB1-3** indicates the data definition block (DDB) for JCT entries.
5 **NETID** is the network ID.
6 **JBNO** is the job number.
7 **PREV** is the job number of the previous job of this priority.
8 **NEXT** is the job number of the next job of this priority.
9 **PRTY** is the job priority.
10 **UCNT** is the number of read-only users for this JCT entry.
11 **JQERW** is the read/write enqueue byte or read/write FCT address.
12 **FCT ADDRESS** is the FCT address.
13 **JML LOCK** is the job message log (JML) lock.
14 **FCT ADDRESS** is the FCT address.
15 **JML** is the job message log control block.
16 **JQEDATE** is the date that the job entered the system.

17 **JQELOC** is the CPU ID.
18 **JQEJGID** is the JES3 group ID.
19 **JQEJOBN** is the job name.
20 **JQEJJNO** is the JES3 job ID.
21 Flags:
J1 is a flag. See either flag byte JCTFL1 in a listing of the JCT, or flag byte JQEFL1 in a listing of the JQE.
J2 is a flag. See either flag byte JCTFL2 in a listing of the JCT, or flag byte JQEFL2 in a listing of the JQE.
J3 is a flag. See flag byte JQEFL3 in a listing of the JQE.
S2 is a flag. See flag byte JQESTAT2 in a listing of the JQE.
F1 is a flag. See flag byte JQEFLG1 in a listing of the JQE.

Layouts for both the JCT and the JQE, which include the flag bytes previously listed, appear in Chapter 3, "BDT Data Areas," on page 45.

Resident Logical Units Table (RLT)

A resident logical units table (RLT) contains information about a BDT node or about a SNA session, or *line*, that you coded in the BDTNODE statements. There is a *node* RLT for each BDT node, and a *line* RLT for each SNA session. Because you do not establish a session with your own node, you have a node RLT for your node but no corresponding line RLT. The following is an example of a line RLT.

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM                  SYSID=SYSA1   DATE=85211   TIME= 7:58:30  PAGE=025
                                                  RESIDENT LOGICAL UNITS TABLE
1           2          3                  4                  5                  6
 001E0C10    TYPE       ID        VER      LEN       RSVD4       NAME     NODE      LMODE    LCTAD
             LINE       RLT       2000     0054      0000        APPLA2   SYSA2               001EC950

                        NLU       COMLU    ACTLU     SF          BLK      FLAG1     FLAG2    CKPT
                        000       000        0     00000000    01024    10        00       00000K

                        CSOPT     ASRFG    LIMIT     LUTO        LUFR     TOCNT     FRCNT    RSVD5
                        00        80       00000     000         000      000       000      00000000
```

Figure 6. BDT RLT in the Formatted Dump

1 **001E0C10** is the address of the RLT.

2 **TYPE** is the type of logical unit (LU), either LINE or NODE.

3 **ID** is the control block acronym.

VER is the version release ID.

NLU is the total number of LUs (from LU on the BDTNODE statement).

COMLU is the number of communication LUs.

CSOPT is the compression option flag.

ASRFG is the ASR flag byte. See RLTASRFG in a listing of the RLT.

4 **LEN** is the length of the RLT section.

RSVD4 is reserved.

ACTLU is the active VLU count.

SF indicates BDT selectable features.

LIMIT is the restart limit.

LUTO is the number of LUs fenced "to".

5 **NAME** is the node name in a node RLT entry, and the LU name in a line RLT entry.

NODE is the corresponding node name for line entries; it is empty for node entries.

BLK is the buffer size (from BUFSZ on the BDTNODE statement).

FLAG1 is an entry flag byte. See RLTFLAG1 in a listing of the RLT.

LUFR is the number of LUs fenced "from".

TOCNT is the "to" LU count.

6 **LMODE** is the log mode entry name.

LCTAD is the address of the LCT.

FLAG2 is an entry flag byte. See RLTFLAG2 in a listing of the RLT.

CKPT is the checkpoint interval (from CKPT on the BDTNODE statement).

FRCNT is the "from" LU count.

RSVD5 is reserved.

A layout of the RLT, which shows the flag bytes previously listed, is included in Chapter 3, "BDT Data Areas," on page 45.

Logical Unit Control Table (LCT)

A logical unit control table (LCT) describes a SNA session or a virtual logical unit (VLU) associated with a BDT node. Some fields in an LCT have one meaning for a session and a different meaning for a node. Many fields are unused because an LCT for a session does not contain node information, and an LCT for a node does not contain session information.

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM                          SYSID=SYSA1   DATE=85211   TIME= 7:58:30   PAGE=027
                                                     LOGICAL UNITS CONTROL TABLE - VERSION 2 RELEASE 1
    1        2       3            4                             5              6             7           8            9           10
   LOC      TYPE    LUNAME       FX     F1     F2     F3     F4     STREAM ID     FCT          VLUNO      OUTQU        LGETA       LPUTA

001EC950    VTAM    APPLA2       00     80     80     00     00     00            00000000     000        000000       00000000    00000000

001EC9D4    VTAM    APPLA3       00     80     88     00     00     00            00000000     000        000000       00000000    00000000

001ECA58    VTAM    APPLA2N      00     80     90     00     00     00            00000000     000        000000       00000000    00000000

001ECADC    VTAM    APPLA5N      00     80     90     00     00     00            00000000     000        000000       00000000    00000000

001ECB60    VTAM    APPLA3N      00     80     90     00     00     00            00000000     000        000000       00000000    00000000

001ECBE4    COMM    SYSA1  001   00     20     20     00     00     00            00000000     F0F        000000       00000000    00000000
001ECC68    XFER    SYSA1  002   00     00     40     00     00     00            00000000     F0F        000000       00000000    00000000
001ECCEC    XFER    SYSA1  003   00     00     40     00     00     00            00000000     F0F        000000       00000000    00000000
001ECD70    XFER    SYSA1  004   00     00     40     00     00     00            00000000     F0F        000000       00000000    00000000

001ECDF4    COMM    SYSA2  001   00     80     20     00     00     00            00000000     F0F        000000       00000000    00000000
001ECE78    XFER    SYSA2  002   00     80     40     00     00     00            00000000     F0F        000000       00000000    00000000
001ECEFC    XFER    SYSA2  003   00     80     40     00     00     00            00000000     F0F        000000       00000000    00000000
001ECF80    XFER    SYSA2  004   00     80     40     00     00     00            00000000     F0F        000000       00000000    00000000
001ED004    XFER    SYSA2  005   00     80     40     00     00     00            00000000     F0F        000000       00000000    00000000
001ED088    XFER    SYSA2  006   00     80     40     00     00     00            00000000     F0F        000000       00000000    00000000
001ED10C    XFER    SYSA2  007   00     80     40     00     00     00            00000000     F0F        000000       00000000    00000000
```

Figure 7. BDT LCT in the Formatted Dump

- 1 **LOC**is the address of the LCT.
- 2 **TYPE**indicates the type of LCT:
  - **VTAM** indicates an LCT for a session. There is one for each SNA session.
  - **COMM** indicates an LCT for the communication VLU associated with a node. The communication VLU carries commands, messages, status, and control information for other VLUs.
  - **XFER** indicates an LCT for a transfer VLU associated with a node. There is one transfer VLU for each data transfer at each node.
- 3 **LUNAME** is the node name and VLU number in a node LCT, or the LU name in a session LCT.
- 4 Flags:
  - **FX** is the buffer status flag. See LCTFLAGX in a listing of the LCT.
  - **F1** is the VLU status flag. See LCTFLAG1 in a listing of the LCT.
  - **F2** is the VLU type flag. See LCTFLAG2 in a listing of the LCT.

  - **F3** is the VLU control flag. See LCTFLAG3 in a listing of the LCT.
  - **F4** is a flag. See LCTFLAG4 in a listing of the LCT.

  A layout of the LCT, which shows the LCT flag fields previously listed, appears in Chapter 3, “BDT Data Areas,” on page 45.
- 5 **STREAM ID** indicates the stream ID. The left column is for file-to-file and the right column is for NJE.
- 6 **FCT** is the address of the FCT that is using the VLU.
- 7 **VLUNO** is the VLU number.
- 8 **OUTQU**is the interfunction communication output queue.
- 9 **LGETA** is the address of the LGET area on the communication VLU.
- 10 **LPUTA** is the address of the LPUT area on the communication VLU.

BDT SNA Line and Node Variable Entries

The SNA line and node variable entries in the BDT formatted dump contain fields from three control blocks: the logical unit control block (LCB), ACF/VTAM’s request parameter list (RPL), and the LCT for logical units (LCTLU).

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM                    SYSID=SYSA1   DATE=85211   TIME= 7:58:30  PAGE=029
                                          BDT SNA LINE AND NODE VARIABLE ENTRIES VERSION 2 RELEASE 1
                APPLID      LCBLCT   LCTLU    INPUT    NXLUO    LCBSEB   LCBACB    SNDCT    RCVCT     CID     VLUS   OX   OY  WR F
1   00298100  APPLA2     001EC950 00298DE0 00000000 00298DE0 00000000 00298000  00000000 00000000  00000000   000  000  000  00 0
2   002981D4  SEND       REQ-00   ACTIV-00 RTNCD-00 FDB2-00  FDB3-00  FDBK2---  00000000 OSENS--   00000000

    0029824C  RECV       REQ-00   ACTIV-00 RTNCD-00 FDB2-00  FDB3-00  FDBK2---  00000000 OSENS--   00000000

    002982C4  SESS       REQ-00   ACTIV-00 RTNCD-00 FDB2-00  FDB3-00  FDBK2---  00000000 OSENS--   00000000

                VLU       LULIN    LUIBE    LUIBQ    LUIBF    LUOBQ    LUOBS   LUREC  LUMAX  LUSIZ  ACK  SNT  BFN  ISQ  OSQ F2 F3
3   00298DE0  SYSA2  001 00298100 00000000 00000000 00000000 00000000 00000000  00000  01024  01024  000  000  010  000  000 00 00
    00298E70  SYSA2  002 00298100 00000000 00000000 00000000 00000000 00000000  00000  01024  01024  000  000  010  000  000 00 00
    00298F00  SYSA2  003 00298100 00000000 00000000 00000000 00000000 00000000  00000  01024  01024  000  000  010  000  000 00 00
    00298T90  SYSA2  004 00298100 00000000 00000000 00000000 00000000 00000000  00000  01024  01024  000  000  010  000  000 00 00
    00299020  SYSA2  005 00298100 00000000 00000000 00000000 00000000 00000000  00000  01024  01024  000  000  010  000  000 00 00
    002990B0  SYSA2  006 00298100 00000000 00000000 00000000 00000000 00000000  00000  01024  01024  000  000  010  000  000 00 00
    00299140  SYSA2  007 00298100 00000000 00000000 00000000 00000000 00000000  00000  01024  01024  000  000  010  000  000 00 00
```

Figure 8. BDT SNA Line and Node Variable Entries in the Formatted Dump

1 The LCB contains information about a SNA session. The LCB fields are as follows:
00298100 is the hexadecimal address of the LCB.
APPLID is the logical unit (LU) name. It is the same as LUNAME in the session RLT and LUNAME in the LCT.
LCBLCT is the address of the related LCT.
LCTLU is the address of the first LCTLU for the node.
INPUT is the address of the input buffer for the receive area.
NXLUO is the address of the next output LCTLU.
LCBSEB is the LCB session-establishment block.
LCBACB is the pointer to the access control block (ACB) for this node.
SNDCT is the send record unit (RU) count.
RCVCT is the receive RU count.
CID is the network address.
VLUS is the number of VLUs per session.
OX is the output VLU identification.
OY is the output VLU sequence number.
WR is the BDT SNA manager work queue request flag.
F is a flag.
2 The RPL is a communication area for ACF/VTAM and its applications. It describes the macro BDT is requesting of ACF/VTAM. The RPL fields are as follows:
002981D4 is the hexadecimal address of the RPL entry.
SEND indicates the type of RPL (send, receive, or session-related).
REQ indicates the RPL request type (ACF/VTAM macro), as described in Table 1 on page 32.

Table 1. RPL Request Types

Code	Request Type	Function
00	GET	
15	SETLOGON	Modifies an application program's capability to establish sessions.
16	SIMLOGON	Initiates a session in which the application program will act as the primary LU.
17	OPNDST	Establishes sessions in which the application program will act as the primary LU.
1A	INQUIRE	Obtains LU information or application program status.
1F	CLSDST	Terminates sessions in which the application program is acting as the primary LU.
21	CLOSE	Closes one or more ACBs.
23	RECEIVE	Receives input on a session.
25	SESSIONC	Sends a session-control request or response.
27	SEND	Sends output on a session.
29	REQSESS	Initiates a session in which the application program will act as the secondary LU.
2A	OPNSEC	Establishes a session in which the application program will act as the secondary LU.
2C	TERMSESS	Requests termination of a session in which the application program acts as the secondary LU.

- **ACTIV** is the activity code:
  - Hex FF — ACF/VTAM was processing this request at the time of the dump.
  - Hex 00 — ACF/VTAM completed processing of this request before the dump was taken.

- **RTNCD** is the RPL return code. This field is dumped from RPLRTNCD, which is at offset hex D in the RPL.
- **FDB2** is the ACF/VTAM reason code. This field is dumped from RPLFDB2, which is at offset hex E in the RPL.
- **FDB3** indicates the ACF/VTAM data flags. This field is dumped from RPLFDB3, which is at offset hex F in the RPL.

  Note: For information on the RTNCD, FDB2, and FDB3 fields, see the ACF/VTAM programming manual.
- **FDBK2** indicates SNA sense received by BDT. This field is dumped from two RPL fields: RPLSSEI at offset hex 58, and RPLSSMI at offset hex 59.
- **OSENS** indicates SNA sense sent by BDT. This field is dumped from two RPL fields: RPLSSEO at offset hex 64, and RPLSSMO at offset hex 65.

  Note: For information on the FDBK2 and OSENS fields, see the SNA format and protocol manual.
- 3 The LCTLU fields are as follows:
- **00298DE0** is the hexadecimal address of the LCTLU.
- **VLU** is the name of the node and the VLU number.
- **LULIN** is the address of the line LCTLN segment.
- **LUIBE**, is the address of the input buffer being emptied.
- **LUIBQ** is the address of the input buffer queue.

- **LUOBF** is the address of the output buffer being filled.
- **LUOBQ** is the address of the output buffer queue.
- **LUOBS** is the address of the output buffer sent.
- **LUREC** is the size of the given record.
- **LUMAX** is the maximum record size.
- **LUSIZ** is the node buffer size.
- **ACK** is the number of pending acknowledgements for input buffers.
- **SNT** is the number of pending acknowledgements for output buffers.
- **BFN** is the number of buffers.
- **ISQ** is the input buffer sequence counter.
- **OSQ** is the output buffer sequence counter.
- **F2** is the sequence number updated (01 = yes, 00 = no).
- **F3** is not presently supported.

Structure of the BDT SNA control blocks

The RLT, LCT, LCB, RPL, and LCTLU control blocks, described in the preceding sections, all contain information about SNA sessions and BDT nodes. Figure 9 on page 33 shows the relationships among the SNA-related control blocks and identifies the figure in this chapter that contains the corresponding example from the dump.

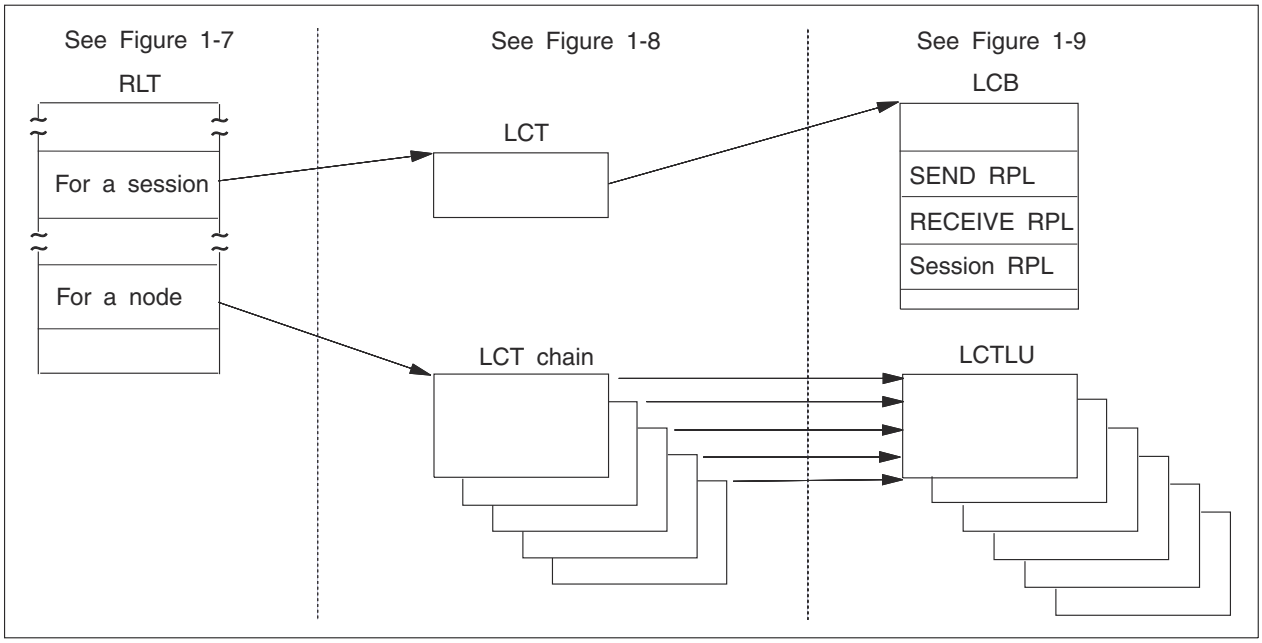

Figure 9. Structure of the BDT SNA control blocks

Cell Pool Directory (CPD) and Cell Pool Control Block (CPB)

The cell pool directory (CPD) in BDTNUC contains information you need to locate cell pools in the BDT address space. There is one CPD and one cell pool control block (CPB) entry for every cell pool defined with a CELLPOOL statement in the BDT initialization stream. (See Figure 19 on page 52 for an illustration of the relationships among CPD, CPB, and TVT entries.)

Figure 10 on page 34 shows the BDT formatted dump for one cell pool.

```
BDT FORMATTED DUMP:   SOC1 IN LOW-MEM                    SYSID=SYSA1   DATE=85211   TIME= 7:58:30
PAGE=035

                                                    *** CELL POOL CONTROL BLOCKS ***
 1  0019BCA4     CPD ----  SAVE
                 CPID      E2C1E5C5    CSIZE     00000080    CPB       00200EC0
                 SUBID     010         RSVD1     00          RSVD2     00          RSVD3     00
                 RSVD4     00000000    RSVS1     00000000    RSVS2     00000000

 2  00200EC0  3  CPB                                          4
                                                5
                 ID        C3D7C240    REL       F1F0F0F0    LEN       013C        RSD01     0000

                 NXCPB     00000000    CPRT      00200EA8    CPAT      00200EB0    LOWAD     00201000
HIADD    00205000

                 RSD02     00          SUBID     010         CELSZ     0128        CELPG     0032

                 TOTEX     0000        MAXEX     0015        HWMEX     0000        WASTE     0000
DPLTD    00000

                 SDCNT     00000       RSD03     0000        CTR       00000001    EXSIZ     00016384
SEXSZ    00004096

                 AVLCL     00000111    TOTAV     00000111    TOTCE     00000128    HWMCE     00000128
LWMAV    00000106

                 HWMUS     00000022    CELNM     00000128    SELCX     00000032

                 SELPG     00000000    SPATZ     00000004    SPRTZ     00000002    CPATZ     00000016
CPRTZ    00000008

                 LOCKB     00          LOCKBRSV    000000    LOCKF     00198EE8

                 RSD04     00000000    RSD05     00000000    RSD06     00000000    RSD07     00000000

                 RSVS1     00000000    RSVS2     00000000    RSVS3     00000000    USER      00000000

                 FLAG1     E0          FLAG2     00          KEY       80          RSD08     00

                 PARM      001E0B20    PARMD     00000000    PARMD+4   00000000    PARMD+8   00000000

             6   SAVEAR00  00201800    SAVEAR01  00200EC0    SAVEAR02  00000004    SAVEAR03  00201800
                 SAVEAR04  00244000    SAVEAR05  00000033    SAVEAR06  00284140    SAVEAR07  001B89E2
                 SAVEAR08  00227100    SAVEAR09  001A6778    SAVEAR10  0019D57C    SAVEAR11  00198EE8
                 SAVEAR12  00197000    SAVEAR13  00201100    SAVEAR14  4019D6B8    SAVEAR15  0019CB32

                 SAVEWORK  00000000    SAVEBCHN  00000000    SAVEFCHN  00000000
                 SAVER14   00000000    SAVER15   00000000    SAVER00   00000000    SAVER01   00000000
                 SAVER02   00000000    SAVER03   00000000    SAVER04   00000000    SAVER05   00000000
                 SAVER06   00000000    SAVER07   00000000    SAVER08   00000000    SAVER09   00000000
                 SAVER10   00000000    SAVER11   00000000    SAVER12   00000000
```

Figure 10. BDT CPD and CPB in the Formatted Dump

1 The CPD fields are as follows:

0019BCA4 is the address of the cell pool.

CPD ------ indicates the name (SAVE) of the cell pool.

CPID is the hexadecimal name of the cell pool (ID on the CELLPOOL statement).

CSIZE is the size, in bytes, of one cell in this cell pool.

CPB is the address of the corresponding CPB primary extent.

SUBID is the subsystem ID.

RS fields are reserved fields.

2 **00200EC0** is the address of the corresponding CPB primary extent.

3 **ID** is the control block identification.

REL is the release number.

NXCPB is the address of the next CPB, if one exists.

CPRT is the address of the cell pool page release table.

RSD02 is reserved.

SUBID is the subsystem ID.

TOTEX is the current number of extents.

MAXEX is the maximum number of extents allowed.

SDCNT is the number of times the cell pool has entered slowdown.

RSD03 is reserved.

AVLCL is the number of unused cells in the extent.

TOTAV is the total number of cells available in the pool.

HWMUS is the high watermark — the number of cells in use.

CELNM is the number of cells in the primary extent.

SELPG is the number of pages in the secondary extent.

SPATZ is the size of the secondary allocation table.

LOCKB is the cell pool lock byte.

LOCKBRSV is reserved.

RSD fields are reserved.

RSVS fields are reserved.

FLAG1 is a flag. See CPBFLAG1 in a listing of the CPB.

FLAG2 is a flag. See CPBFLAG2 in a listing of the CPB.

PARM is the address of the XBPL/XDPL PARM list.

PARMD is the first 4 bytes of the address of the XBPL/XDPL PARM list for BDTGRCP internal calls.

4 **LEN** is the length of the control block.

RSD01 is reserved.

CPAT is the address of the cell pool allocation table.

LOWAD is the address of the beginning of the cell pool for this extent.

CELSZ is the size of the cell.

CELPG is the number of cells per page.

HWMEX is the maximum number of extents of this cell pool since last initialization.

WASTE is the wasted space due to records that were not spanned.

CTR is the total number of extents created.

EXSIZ is the size, in bytes, of the primary extent.

TOTCE is the total number of cells in the pool.

HWMCE is the high watermark — the number of cells in the pool.

SECLX is the number of cells in the secondary extent.

SPRTZ is the size of the secondary page release table.

CPATZ is the size of the page release table for this extent.

LOCKF is the cell pool lock FCT address.

RS fields are reserved.

USER is reserved.

KEY is the storage key for GETMAINS.

RSD08 is reserved.

PARMD+4 is bytes 5-8 of the PARMD address.

PARMD+8 is bytes 9-12 of the PARMD address.

5 **HIADD** is the address of the end of the cell pool for this extent.

DPLTD is the number of times the cell pool was depleted.

SEXSZ is the size, in bytes, of the secondary event.

LWMAV is the low watermark — the number of cells available.

CPRTZ is the size of the allocation table for this extent.

6 Save areas:

SAVEAR00-15 is the save area for the GET and RETURN cell.

SAVER00-14 is the save area for BPL and DLP requests.

Contents of BDT Nucleus (BDTNUC)

This section of the BDT formatted dump displays the contents of the BDT nucleus (BDTNUC) in hexadecimal form.

```
JOB BDTA1          STEP A1            TIME 080035      DATE=85211          CPUID = FF0232523081  PAGE 0001
                                                  *** BDT NUCLEUS ***
197000   E3E5E340 F1F0F0F0 05380000 0085211F    07491325 F2F0F0F0 0019D57C 0019D674   *TVT 1000............2000..N...0.*
197020   001BE3B0 001BE088 001BDDD4 001BCA38    0019BE2C 0019D42C 0019C590 0019CB32   *..T........M..........M...E.....*
197040   0019D064 801B83CC 811B83CC 501B83CC    511B83CC FF1B83CC 001C49D0 001C6098   *..............................*
197060   001C5024 001C4DAE 001C572E 001C3060    00233EC0 001C26B2 001C274C 001C284A   *..............................*
197080   001C257C 001C27CE 0019F318 001BC7CC    001BC694 001BC80C 001C1024 001B5870   *..........3...G...F...H........*
1970A0   001C1F80 001C22A0 0019F750 0019F9DA    0019FCB0 0019FE38 001A004C 001A0094   *..........7...9................*
1970C0   0019D810 0019DB6C 00000000 00000000    00000000 001B46E4 001B4BE4 001B4AAE   *..Q...................U...U....*
1970E0   001B492E 001B4BAC 001B4B3C 001B4B74    002933C0 0028D738 00292AB8 00293530   *......................P.........*
197100   00289DA0 0028D548 00297D30 001BA77E    00000000 00000000 00000000 001AE134   *......N.......................*
197120   001ADDF0 001BA910 001A904C 801B557C    001C6D8C 001C0168 001C72D0 00000000   *...0..........................*
197140   001C4BF8 001BA4B4 001A7810 001B84CE    001B9010 001BD720 00000000 001AB718   *...8..................P.........*
197160   001B89E2 00000000 001C2D40 001BAA60    0000004C 00000028 0000004C 00000000   *...S..........................*
197180   0019B878 00000000 00000000 00000000    00000000 00000000 00000000 00000000   *..............................*
1971A0   00000000 00000000 00000000 00000000    00000000 00000000 00000000 00000000   *..............................*
1971C0   00000000 001C70C4 80000000 00000000    0077F0E0 00235EC0 0022EEC0 001F3EC0   *.......D..........0............*
1971E0   001FEEC0 00205EC0 00245EC0 001978C8    00226EC0 0019BCA4 00200EC0 00243EC0   *................H..............*
197200   001F1EC0 001ECBE4 001EC950 001E0D84    001E0C10 0027D310 001EC950 001ECC68   *.......U..I..........L...I.....*
197220   00284000 00000000 00000000 00000000    00000000 00000000 00000000 00000000   *..............................*
197240   0014000A 00000000 00000000 00000000    0014000A 00000000 00000000 00000000   *..............................*
197260   00000000 00000000 00000000 00000000    00000000 00000000 00000000 00000000   *..............................*
197280   00000000 40000000 00197290 80FDD1A0    8077F030 807831F1 00000000 001EA350   *.............J...0....1........*
1972A0   001CB430 0077E260 00000000 00000000    00000000 00198698 00000000 00196B7C   *......S.......................*
1972C0   00194B60 001AEC70 0019B028 00000000    00000000 00197000 881CBBB8 00000000   *..............................*
1972E0   001BE580 001977C6 001BFB60 001B528C    00A16800 0019B450 00000000 00000000   *..V....F......................*
197300   00000000 00000000 00000000 00000000    00000000 00000000 00000000 00000000   *..............................*
197320   00000000 00000000 00197538 00000000    00000130 01000130 01000052 00000000   *..............................*
197340   00000800 00000000 FF023252 00000000    00000000 00000000 00000000 00000000   *..............................*
197360   00000000 00000000 00000000 00000000    00000000 00000000 00000000 00000000   *..............................*
197380   00010028 00140000 00000000 00000000    00000000 00000000 00000000 00000000   *..............................*
1973A0   00008020 00840000 00000000 00000000    00000000 00000000 00000000 00FFFFFF   *..............................*
```

Figure 11. Contents of BDTNUC in the Formatted Dump

Chapter 2. The MVS SVC Dump

This chapter is a brief introduction to the MVS supervisor call (SVC) dump. It discusses aspects of the SVC dump that are of particular importance to diagnosing problems in BDT. For a detailed explanation of how to use the SVC dump, see the MVS system programming library service aids manual that is appropriate for your installation.

This chapter explains:

- The purpose of the SVC dump in diagnosing problems in BDT
- How to request the SVC dump
- How to access the SVC dump
- The contents of the SVC dump
- The title page of the SVC dump
- The BDT trace table in the SVC dump.

Purpose of the SVC Dump

Use the SVC dump to get a detailed picture of the system, including, in the BDT trace table, a record of the internal program flow within the BDT address space prior to a failure.

How to Request the SVC Dump

The SVC dump is invoked automatically when an abend occurs in the BDT or TQI address space.

The SVC dump can be requested during normal processing with the DUMP command. The DUMP command will give you an SVC dump along with a BDT formatted dump. The format of the DUMP command is DUMP,TITLE='*dump-title*', where *dump-title* is a title you assign to the dump. See *z/OS BDT Commands* for more information.

Often a message or reason code explains the cause of an abend and substitutes for the SVC dump.

How to Access the SVC Dump

If BDT takes an SVC dump, it issues the dump to the SYS1.DUMP data set. You can then access the data set directly, format and print the data set, or send the data set to another node for analysis.

If BDT is unable to take an SVC dump, it issues a dump to the SYSABEND, SYSUDUMP, or SYSMDUMP data set, depending on which is specified in the BDT start procedure. You can then access that data set.

Formatting and Printing the SVC Dump

For complete information on formatting and printing the dump, see the service aids manual that is appropriate for your installation. The following is only an introduction.

To format and print an SVC dump you must first create an entry in the exit control table (ECT). This entry defines a BDT exit module to the print dump service aid, AMDPRDMP. To create the entry, use the SPZAP service aid. You must provide three control statements for the SPZAP service aid. Code the statements as shown:

```
NAME AMDPRECT
VER offset 40404040,40404040,40404040,40404040,40404040
REP offset C2C4E3C1,C2D7D940,80000000,C2C4E340,40404040
```

The variable *offset* refers to the offset in the ECT table where you added your entry.

Transmitting the SVC Dump to Another Node

The SVC dump is most useful in a network where problem analysis is done at only one node. If your node is part of such a network you may want to transmit your dumps to another node. To do this you can submit a BDT transaction.

The following is an example of a transaction submitted at a TSO terminal to transmit a dump data set from node SYSA1 to node SYSA2.

```
BDT Q JOB(DUMPSEND) FROM LOC(SYSA1)
DAP(SEQ) DSN(SYS1.DUMP00) VOL(BDTRES)
DSORG(PS) RECFM(F) LRECL(4104) BLKSIZE(4104)
UNIT(3330-1) SHR
TO LOC(SYSA2) DSN(SYS1.DUMP01) VOL(BDTRES)
DSORG(PS) RECFM(F) LRECL(4104) BLKSIZE(4104)
UNIT(3330-1) OLD
```

For an explanation of how to write a BDT transaction, see *z/OS BDT File-to-File Transaction Guide*.

After you have transmitted the dump you should clear the SYS1.DUMP data set so that it can be reused.

Contents of the SVC Dump

The SVC dump includes a title page, a summary dump, the BDT trace table, and the following areas from the BDT address space:

- The system queue area (SQA)
- All prefixed storage areas (PSAs) in the system
- The generalized trace facility (GTF) trace buffers and system trace table
- The local system queue area (LSQA)
- The private user area
- The common service area (CSA), which includes:

  The subsystem vector table (SSVT) for BDT
  The SSVT extension (USVT) for BDT
  The configuration control block for TQI
  The program call table for the BDT address space
  The program call table for the MVS/TQI address space

A table of contents appears on the last page of the SVC dump.

Title Page of the SVC Dump

The following is a portion of an SVC dump title page.

```
 1
TITLE FROM DUMP:  ABEND=BD008,REASON=     ,ISSUER=BDTCMDV -ESTAEXIT,
      COMPON=BDT - COMMUNICATIONS  ,COMPID=30201

 .
 .
 .

 2

SYMPTOMS FOR THIS DUMP                            APAR DATA BASE FORMAT

  ABEND COMPLETION CODE       USER 0008                AB/U0008
  ABEND REASON CODE           **NOT SUPPLIED**         PRCS/
  COMPONENT ID INVOLVED       5665-30201               PIDS/566530201
  LOAD MODULE                 BDTNUC                   RIDS/BDTNUC #L
  ASSEMBLY MOD (CSECT)        BDTCMDV                  RIDS/BDTCMDV
  RECOVERY ROUTINE            BDTCMDV                  RIDS/BDTCMDV #R
  REG/PSW DIFFERENCES         E-040                    REGS/0E040
    (REG-OFFSET)              A-372                    REGS/0A372

 3

CLUES FOR THIS DUMP

  ABENDING PROGRAM            BDTGSC1
  ASSEMBLY MOD LEVEL          06/18/86  HBD1202
  COMPONENT/SUBCOMPON/        BDT - GENERAL ROUTINES
      SUBFUNCTION
  RECOVERY RTN LABEL           ESTAEXIT
```

- 1 **TITLE FROM DUMP** describes the failing module:
- **ABEND** indicates the completion (or abend) code. There are three possible completion codes:
  - **S** is the MVS system completion code
  - **U** is the initialization completion code. This code is issued during BDT initialization. See *z/OS BDT Messages and Codes*
  - **BD** is the BDT completion code. See *z/OS BDT Messages and Codes*
- **REASON** is the reason code. See *z/OS BDT Messages and Codes* If the failing module is in the TQI address space, this field will not appear in the dump title.
- **ISSUER** is the name of the module containing the recovery routine, and the label of that routine.
- **COMPON** is the component name (BDT) and the subcomponent name, if any.
- **COMPID** is the BDT identification number.
- 2 **SYMPTOMS FOR THIS DUMP** include information from the fields in the system-defined work area (SDWA):
- **ABEND COMPLETION CODE**is the completion code. See **ABEND** under 1.
- **ABEND REASON CODE** is the abend reason code. See **REASON** under 1. This comes from the SDWA field SDWAHRC.
- **COMPONENT ID INVOLVED** is the component ID. This comes from the SDWA field SDWACID/ SDWACIDB.
- **LOAD MODULE** is the load module name at the time of the error. This comes from the SDWA field SDWAMODN.
- **ASSEMBLY MOD (CSECT)** is the assembly module name at the time of the error. This comes from the SDWA field SDWACSCT.
- **RECOVERY ROUTINE** is the recovery routine module name. This comes from the SDWA field SDWAREXN.
- **REG/PSW DIFFERENCES** is the difference between the address of the base register and the PSW.
- **(REG-OFFSET)** is the register offset.
- 3 **CLUES FOR THIS DUMP** includes information from the fields in the SDWA:
- **ABENDING PROGRAM** is the name of the abending program.

- **ASSEMBLY MOD LEVEL** is the level of the failing module: assembly date and release/PTF level. This comes from the SDWA field SDWAMLVL.
- **COMPONENT/SUBCOMPON/SUBFUNCTION** is the component/subcomponent/subfunction. This comes from the SDWA field SDWASC.
- **RECOVERY RTN LABEL** is the recovery routine label, if it is not equal to SDWAREXN. This comes from the SDWA field SDWAARRL.

BDT Trace Table

The BDT trace table displays a record of the internal program flow within the BDT address space prior to the failure. The trace table is a wraparound table that is printed unformatted in the SVC dump.

You can control the contents of the trace table. You do this by including the BDT trace macro, BDTXTRC, in user exit routines. For information on the BDTXTRC macro, see *BDT Installation*

You can also control the size of the trace table. You do this by coding the TRACE parameter in the BDT start procedure. For information on coding the TRACE parameter, see *BDT Installation*

The following pages describe the contents and location of the trace table.

Contents of the Trace Table

The trace table is a series of “snapshots” of the BDT address space. BDT takes a snapshot, or makes an entry in the trace table, each time the BDTXTRC macro is invoked. The BDTXTRC macro is invoked by:

- Entering or exiting the ASAVE/ARETURN linkage module, BDTGRSV. (Note, however, that not all ASAVE and ARETURN calls are included in the trace table.)
- Branching to a user exit routine that contains the BDTXTRC macro.

The entries BDT makes in the trace table do not include all activity in the BDT address space. However, they always include:

- The name of the module that caused the trace entry
- An identifier for the entry
- Information about the calling module
- Information about the called module
- The contents of registers 0, 1, 10, 11, 14, and 15 at the time the trace entry was made
- The address of the task control block (TCB) under which the trace entry was created
- The time of day when the trace entry was made.

Each entry in the trace table consists of 64 decimal (hex 40) bytes of data that reflect the parameters coded on the BDTXTRC macro.

Figure 12 on page 41 is a sample of part of a BDT trace table. In the sample, each trace table entry occupies two printed lines, beginning in the third column.

An entry for an ASAVE call has been marked in the sample with numbers 1 through 11. Numbers 1 through 8 mark the fields under them; numbers 9 through 11 mark the fields over them.

An entry for an ARETURN call has been marked in the sample with numbers 12 through 22. Numbers 12 through 19 mark the fields under them; numbers 20 through 22 mark the fields over them.

```
00193820 88 00000000 00000000 0016A92C 00191140  4016AADE 00166EB8 007A2810 3E3BA7F8  *...............  ..............8*
00193840 88 C7D9E2E5 00E2003C C9D5C7D3 701A5B82  C7D9D8C3 0017B924 C2C4E3E7 C2D7C440  *GRSV.S..INGL....GRQC....BDTXCPD *
00193860 88 001A5CD8 001A6E27 0016A92C 00191140  701A5B82 00166EB8 007A2810 3E471DDC  *...Q..........  ................*
00193880 88 C7D9E2E5 00D901E6 C9D5C7D3 701A5B82  C7D9D8C3 00000000 C2C4E3E7 C3D7C440  *GRSV.R.WINGL....GRQC....BDTXCPD *
001938A0 88 00000000 00000000 0016A92C 00191140  4016AADE 00166EB8 007A2810 3E4721DA  *...............  ...............*
001938C0 88 C7D9E2E5 00E2003C C9D5C7D3 701A5B82  C7D9DBC3 0017B924 C2C4E3E7 C3D7C440  *GRSV.S..INGL....GRQC....BDTXCPD *
001938E0 88 001A5CD8 001A6E29 0016A92C 00191140  701A5B82 00166EB8 007A2810 3E6A53E0  *...Q..........  ................*
00193900 88 C7D9E2E5 00D901E6 C9D5C7D3 701A5B82  C7D9D8C3 00000000 C2C4E3E7 C3D7C440  *GRSV.R.WINGL....GRQC....BDTXCPD *
00193920 88 00000000 00000000 0016A92C 00191140  4016AADE 00166EB8 007A2810 3E6A5808  *...............  ...............*
00193940 88 C7D9E2E5 00E2003C C9D5C7D3 501A5ECE  D9C2C1D4 801775BC D9C1D3D3 D6C34040  *GRSV.S..INGL....RBAM....RALLOC  *
00193960 88 00167320 00167314 0016A92C 00191140  501A5ECE 00166EB8 007A2810 40FE93BE  *............... ............ ...*
             1          2   3   4       5
     6          7           8
001939C0 88 C7D9E2E5 00E2003C D9C2C1D4 50177712  D9C2C1D4 801775BC D9C1D3D3 D6C34040  *GRSV.S..RBAM....RBAM....RALLOC  *
001939E0 88 00164264 00164258 0016A92C FFFFFDC0  50177712 00166EB8 007A2810 40FE9C18  *..... ...................... ...*
             9                                                     10       11
00193A40 88 C7D9E2E5 00D901E6 D9C2C1D4 501778BA  D9C2C1D4 00000000 D9E6D9C9 E3C54040  *GRSV.R.WRBAM....RBAM....RWRITE  *
00193A60 88 00000000 00000000 0016A92C 001648BC  4016AADE 001648BC 007A2810 4132EA88  *............... ...............*
00193A80 88 C7D9E2E5 00D901E6 C9D5C7D3 501A5ECE  D9C2C1D4 00000000 D9C1D3D3 D6C34040  *GRSV.R.WINGL....RBAM....RALLOC  *
00193AA0 88 00000000 00000000 0016A92C FFFFFDC0  4016AADE 00166EB8 007A2810 4132EC40  *............... ...............*
00193AC0 88 C7D9E2E5 00E2003C C9D5C7D3 501A5EF2  D9C2C1D4 80177554 D9E6D9C9 E3C54040  *GRSV.S..INGL...2RBAM....RWRITE .*
00193AE0 88 00167320 00156314 0016A92C 00191140  501A5EF2 00166EB8 007A2810 4232ED4A  *............... ...2............*
00193B00 88 C7D9E2E5 00E2003C D9C2C1D4 50177712  D9C2C1D4 801775BC D9C1D3D3 D6C34040  *GRSV.S..RBAM....RBAM....RALLOC  *
00193B20 88 00167320 00167314 0016A92C 00191140  50177712 00166EB8 007A2810 4132EF4C  *............... ...............*
00193B40 88 C7D9E2E5 00D901E6 D9C2C1D4 50177712  D9C2C1D4 00000000 D9C1D3D3 D6C34040  *GRSV.R.WRBAM....RBAM....RALLOC  *
00193B60 88 00000000 00000000 0016A92C 000003C0  4016AADE 00166EB8 007A2810 4132F19E  *............... .............1.*
00193B80 88 C7D9E2E5 00D901E6 C9D5C7D3 501A5EF2  D9C2C1D4 00000000 D9E6D9C9 E3C54040  *GRSV.R.WINGL...2RBAM....RWRITE  *
00193BA0 88 00000000 00000000 0016A92C 001648BC  4016AADE 00166EB8 007A2810 418CD1EE  *............... .............J.*
00193BC0 88 C7D9E2E5 00D901E6 C9D5E3D2 4016612C  C9D5C7D3 00000000 40404040 40404040  *GRSV.R.WINTK ...INGL....        *
00193BE0 88 00000000 00000000 0016A92C 00191140  4016AADE 00166EB8 007A2810 419043DA  *...............  ...............*
00193C00 88 C7D9E2E5 00E2003C C9D5E3D2 40166166  C7D9D8C3 0017B924 C2C4E3E7 C3D7C440  *GRSV.S..INTK ...GRQC....BDTXCPD *
00193C20 88 00166AB0 00000000 0016A92C 00191140  40166166 00166EB8 007A2810 4191D34E  *...............  .............L.*
00193C40 88 C7D9E2E5 00D901E6 C9D5E3D2 40166166  C7D9D8C3 00000000 C2C4E3E7 C3D7C440  *GRSV.R.WINTK ...GRQC....BDTXCPD *
           12          13   14   15       16
        17       18        19
00193CC0 88 C7D9E2E5 00D901E6 C9D5C9E8 401909F4  C9D5C9E7 00000000 40404040 40404040  *GRSV.R.WINIT ..4INIX....        *
00193CE0 88 00000000 00000000 0016A92C 00191140  4016AADE 0016A470 0079F160 44AD40E4  *...............         ...1..  U*
           20                                                       21       22
00193D40 88 C7D9E2E5 00E2003C C9D5C9C3 501A32D6  C9D5D9D5 00192BE4 C3C1D9C4 D9C5C1C4  *GRSV.S..INIC...OINRN...UCARDREAD*
00193D60 88 001A32CC 00000000 0016A92C 00191140  501A32D6 0016A470 0079F160 45175040  *............... ...0.......1.... *
00193D80 88 C7D9E2E5 00D901E6 C9D5C9C3 501A32D6  C9D5D9D5 12A769E0 C3C1D9C4 D9C5C1C4  *GRSV.R.WINIC...OINRN....CARDREAD*
00193DA0 88 00000000 00000000 0016A92C 00191140  4016AADE 0016A470 0079F160 451F65B4  *...............  .........1.....*
00193DC0 88 C7D9E2E5 00E2003C C9D5C9C3 401A3304  C9D5D9D5 00192594 E2C3C1D5 F1404040  *GRSV.S..INIC ...INRN....SCAN1   *
00193DE0 88 00000001 00191258 0016A92C 00191140  401A3304 0016A470 0079F16C 451F66DA  *...............  .........1.....*
00193E00 88 C7D9E2E5 00D901E6 C9D5C9C3 401A3304  C9D5D9D5 00000004 E2C3C1D5 F1404040  *GRSV.R.WINIC ...INRN....SCAN1   *
00193E20 88 00000000 00000000 0016A92C 00191140  4016AADE 0016A470 0079F160 451F6AC6  *...............  .........1.....*
00193E40 88 C7D9E2E5 00E2003C C9D5C9C3 401A32D6  C9D5D9D5 00192BE4 C3C1D9C4 D9C5C1C4  *GRSV.S..INIC ..OINRN...UCARDREAD*
00193E60 88 00000001 00191260 0016A92C 00191140  401A32D6 0016A470 0079F160 451F6BA6  *...............  ..0......1.....*
00193E80 88 C7D9E2E5 00D901E6 C9D5C9C3 401A32D6  C9D5D9D5 12A769E0 C3C1D9C4 D9C5C1C4  *GRSV.R.WINIC ..OINRN....CARDREAD*
00193EA0 88 00000000 00000000 0016A92C 00191140  4016AADE 0016A470 0079F160 451F6F92  *...............  .........1.....*
00193EC0 88 C7D9E2E5 00E2003C C9D5C9C3 401A3304  C9D5D9D5 00192594 E2C3C1D5 F1404040  *GRSV.S..INIC ...INRN....SCAN1   *
00193EE0 88 00000001 00191258 0016A92C 00191140  401A3304 0016A470 0079F160 451F7056  *...............  .........1.....*
00193F00 88 C7D9E2E5 00D901E6 C9D5C9C3 401A3304  C9D5D9D5 00000004 E2C3C1D5 F1404040  *GRSV.R.WINIC ...INRN....SCAN1   *
```

Figure 12. Example of a BDT Trace Table

In Figure 12 on page 41, numbers 1 through 8 and 12 through 19 mark the fields under them; numbers 9 through 11 and 20 through 22 mark the fields over them.

Entry for an ASAVE call:

	Offset	Description
1	0	Bytes 4-7 of the module name BDTGRSV
	4	Reserved
2	5	Entry identifier — S for ASAVE
3	6	Offset of the BDTXTRC macro within BDTGRSV (3C)
4	8	Characters 4-7 of the calling module name
5	C	Return address of the calling module
6	10	Characters 4-7 of the called module name
7	14	Entry point address of the called module
8	18	Characters 1-8 of the called module entry point address
9	20	Contents of registers 0, 1, 10, 11, 14, and 15

	Offset	Description
10	38	Address of the TCB of the task issuing BDTXTRC
11	3C	Time when the entry was created (bytes 3-6 of STCK instruction)

Entry for an ARETURN call:

	Offset	Description
12	0	Bytes 4-7 of the module name BDTGRSV
	4	Reserved
13	5	Entry identifier — R for ARETURN
14	6	Offset of the BDTXTRC macro within BDTGRSV (E6)
15	8	Characters 4-7 of the called module name
16	C	Return address of the calling module
17	10	Characters 4-7 of the calling module name
18	14	Return code of the called module
19	18	Characters 1-8 of the calling module entry point address
20	20	Contents of registers 0, 1, 10, 11, 14, and 15
21	38	Address of the TCB of the task issuing BDTXTRC
22	3C	Time when entry was created (bytes 3-6 of STCK instruction)

Locating the Trace Table

The BDT trace table resides in the SVC dump in subpool 127. To find the table, follow a pointer from TVTVATR in the BDT TVT to BDTDATR. The BDTDATR data area includes addresses that help you locate the trace table. The most important addresses are:

- The beginning of the table — pointed to by ATRBEGIN
- The end of the trace table — pointed to by ATREND1
- The most recent entry in the trace table — pointed to by ATRCURNT.

The complete contents of the BDTDATR data area are listed:

Table 2. BDTDATR Data Area

OFFSET	LENGTH	NAME	DESCRIPTION
0	4 bytes	ATRCBID	Control block ID ATR
4	4 bytes	ATRREL	Version release ID
8	2 bytes	ATRLEN	Size of control block
C	4 bytes	ATRCURNT	Address of current entry
10	4 bytes	ATRBEGIN	Address of trace table start
14	4 bytes	ATREND1	Address of trace table end
18	12 bytes		Reserved for development
24	12 bytes		Reserved for service
30	4 bytes	ATRTIME	Time trace table last wrapped
34	8 bytes	ATRSTCK	Store clock work area

Table 2. BDTDATR Data Area (continued)

OFFSET	LENGTH	NAME	DESCRIPTION
3C	1 byte	ATRFLAG	Trace routine flag: X‘80’ = Trace inactive X‘20’ = A BDT subtask is abending X‘10’ = Trace entries lost

Chapter 3. BDT Data Areas

This chapter discusses data areas, including control blocks and work areas, that are involved with BDT processing. It includes:

- Diagrams showing the locations of control blocks
- Diagrams showing the relationships of control blocks
- Brief descriptions of the following data areas:

  ACB — Access control block
  CPB — Cell pool control block
  CPD — Cell pool directory
  DAP Dictionary — Dynamic application program dictionary
  DAP Data Areas for SNA NJE — Dynamic application program data areas for SNA network job entry
  DCL — Data compression list
  DDB — Data description block
  DSWA — Data support work area
  EXLIST — Exit list
  FCT — Function control table
  GETUNIT list
  JML — Job message log
  LCB — Logical unit control block
  RESQUEUE — Resident job queue entry
  SMF — System management facility
  SSOB, SSIB, BSIW — Subsystem interface options block, subsystem interface identification block, and subsystem interface work area.

- Summary information and layouts for the following data areas:

  BSID — BDT subsystem interface data area
  GSD — Generalized subtask directory
  INT — Initialization data CSECT
  JCT — Job control table
  JQE — Job queue element
  JQX — JQE/JCT access control table
  LCT — Logical units control table
  LCTLU — LCT extension for logical units (VLUs)
  MJD — Master job definition
  RLT — Resident logical units table
  SEQ — Sequential transfer data area
  SNBP — SNA buffer pool control block
  TVT — Transfer vector table
  TWA — Trace work area
  XOID — Transaction origin data area

Location of BDT Control Blocks

The following pages describe the locations of BDT control blocks — when they are created and where they reside. The diagrams show BDT control blocks after BDT initialization, at three stages of a file-to-file (FTF) transaction, and at three stages of a network job entry (NJE) transaction.

Control Blocks after BDT and BDT SNA Manager Initialization

BDT initializes all control blocks during initialization except the task control block (TCB), which is initialized by MVS. The control blocks after BDT SNA initialization are the same for file-to-file and NJE nodes.

Control blocks during a file-to-file transaction

Stage 1 — File-to-File. A transaction is submitted from node B requesting transfer of data to node A. Node A is global to node B.

- BDT builds certain job-related control blocks at the global node (node A).
- The JCT and MJD are written to the work queue at the global node (node A), and the JQE is allocated in the JQX in the address space. The JQX is the access table for the JQE and includes the JQE.
- The BSID is built in the address space of the requesting node (node B).
- The *transaction* becomes a BDT *job* (job 1, in the illustration).

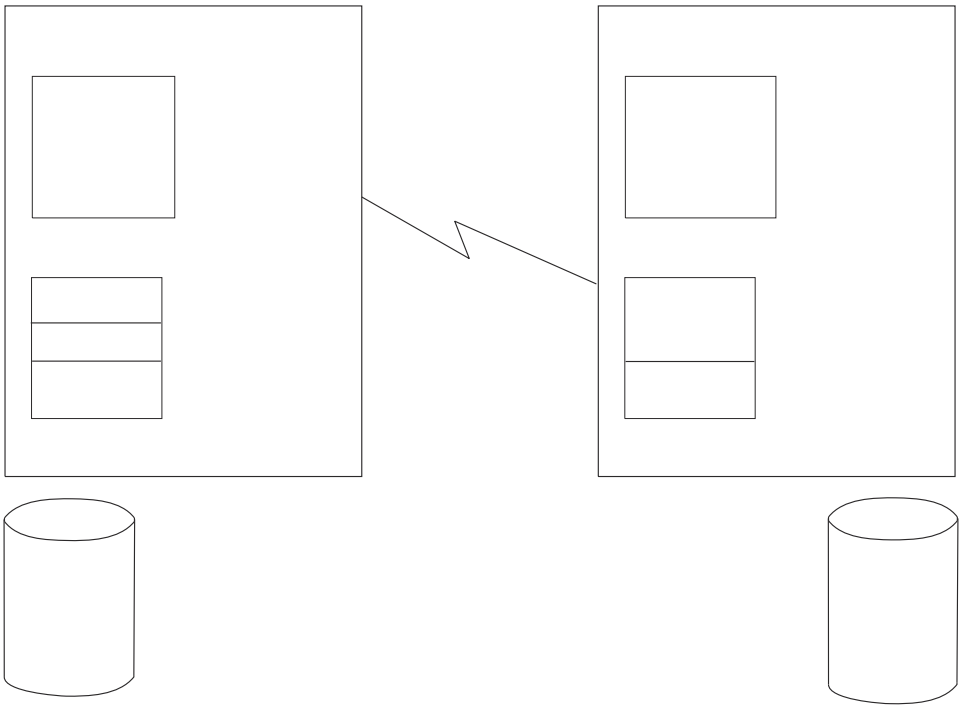

Figure 13. BDT control blocks at file-to-file nodes after a transaction is submitted

Stage 2 — File-to-File. The job is scheduled.

- The dispatching control blocks for job 1 are built in the FCT subpools at both nodes. These control blocks are the FCT, the GSD, the TWA, and the GETUNIT list.
- The MJD is written from the work queue at the global node (node A) to the address space.
- The TCB and the RESQUEUE for job 1 are built in both address spaces.
- Once the job is dispatched, the data is transferred.

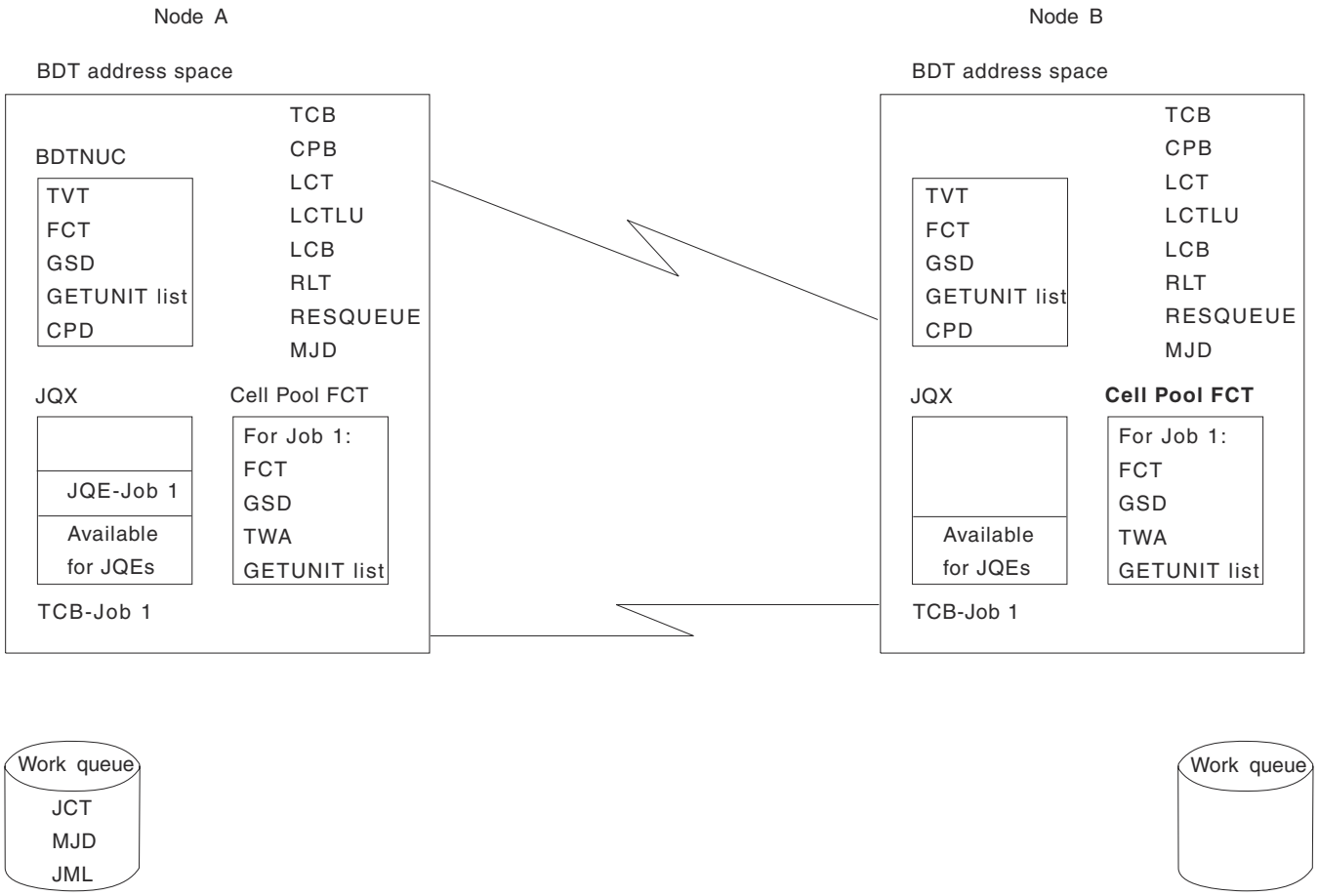

Figure 14. BDT control blocks at file-to-file nodes after the job is scheduled

Stage 3 — File-to-File. The job is purged.

- All the control blocks that are related to the job are removed from the address spaces, except the JQE.
- The accounting driver uses the JQE in the address space and the MJD and JCT on the work queue to write the SMF record.

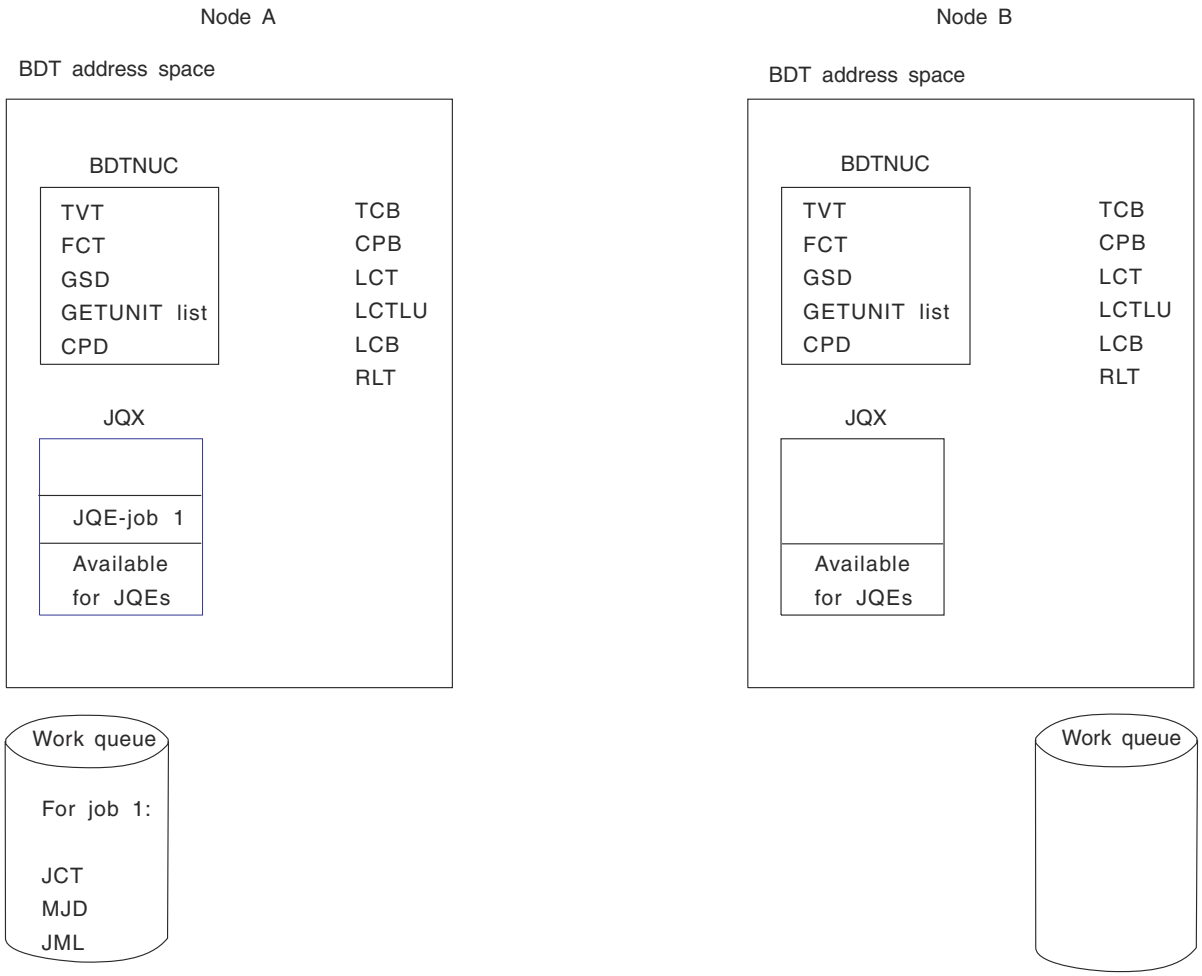

Figure 15. BDT control blocks at file-to-file nodes after the job is purged

Control Blocks during an NJE Transaction

Stage 1 — NJE. A transaction is submitted at node A requesting transfer of data to node B. In NJE processing involving BDT, only one node, either the sending or receiving node, must be a BDT node. The other node might be JES2, RSCS, or VSE/POWER. However, for purposes of illustration, these diagrams show the processing of an NJE transaction for which both the sending and receiving nodes are BDT nodes.

Notice that, in the diagrams in this chapter, the NJE transaction is submitted at node A while the file-to-file transaction is submitted at node B. With the exception of the BSID, the control blocks at the submitting node in the NJE transaction correspond to the control blocks at the *global* (not submitting) node in the file-to-file transaction.

- BDT builds certain job-related control blocks at the node which submits the transaction (node A).
- The JCT and MJD are written to the work queue at the node submitting the transaction (node A), and the JQE is allocated in the JQX in the address space. The JQX is the access table for the JQE and includes the JQE.
- The BSID is built in the address space of the node submitting the transaction (node A).
- The *transaction* becomes a BDT *job* (job 1 in the illustration).

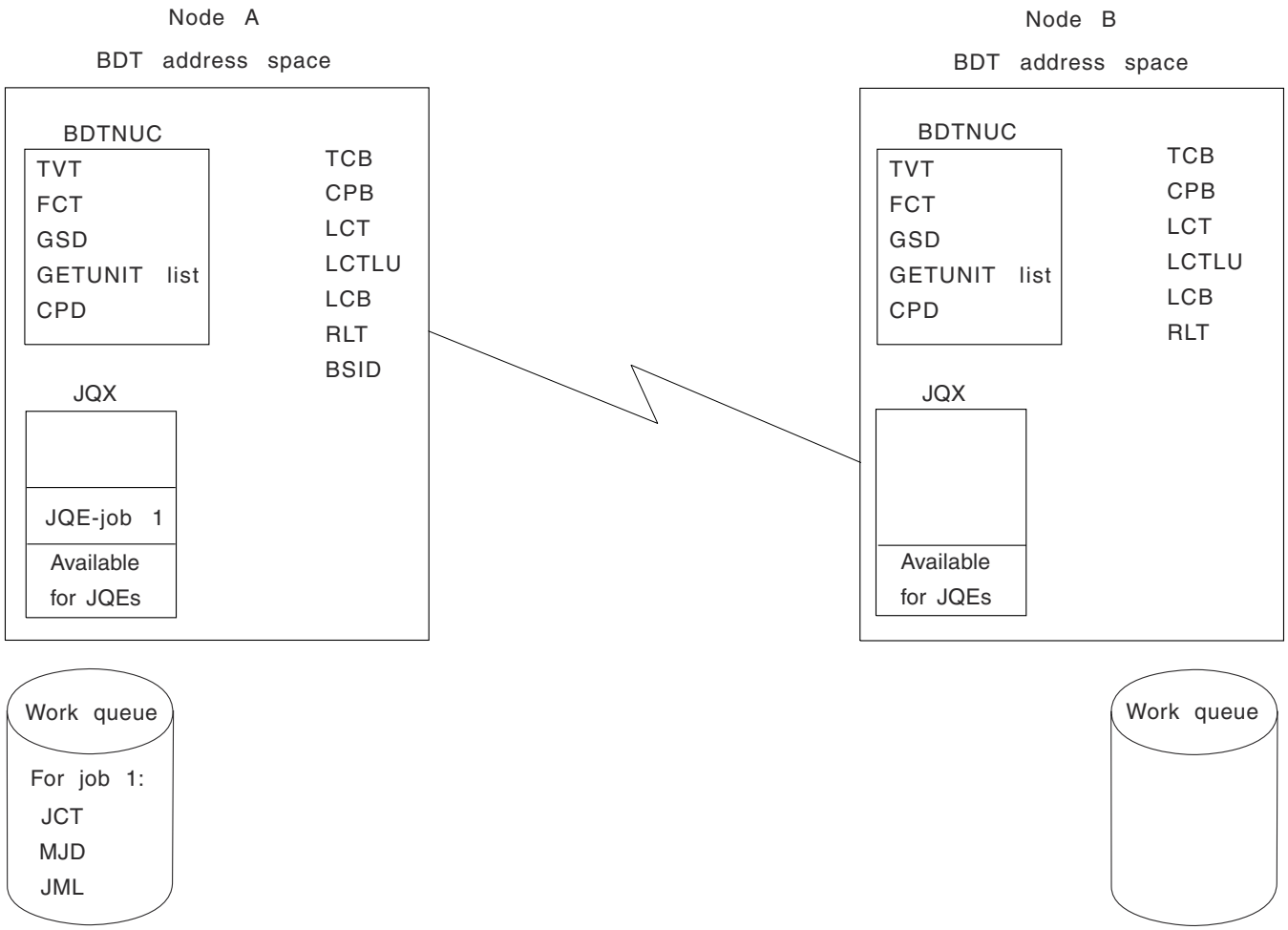

Figure 16. BDT control blocks at nje nodes after a transaction is submitted

Stage 2 — NJE. The job is scheduled.

- The dispatching control blocks for job 1 are built in the FCT subpools at both nodes. These control blocks are the FCT, the GSD, the TWA, and the GETUNIT list.
- The MJD is written from the work queue at the submitting node (node A) to the address space.
- The TCB for job 1 is built in both address spaces.
- The RESQUEUE for job 1 is built in the address space of the submitting node (node A).
- Once the job is dispatched, the data transfer occurs.

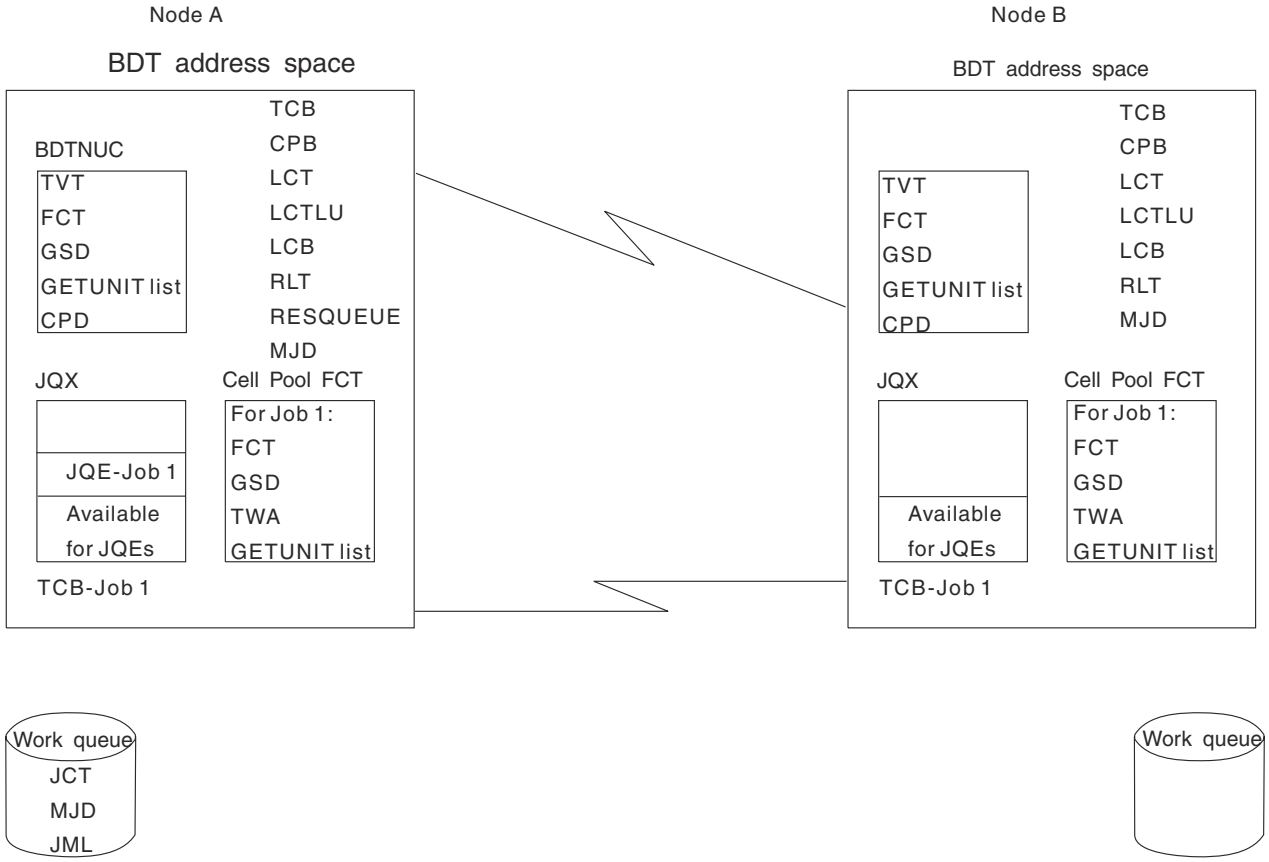

Figure 17. BDT control blocks at nje nodes after the job is scheduled

Stage 3 — NJE. The job is purged.

- All the control blocks that are related to the job are removed from the address spaces, except the JQE.
- The accounting driver uses the JQE in the address space and the MJD and JCT on the work queue to write the SMF record.

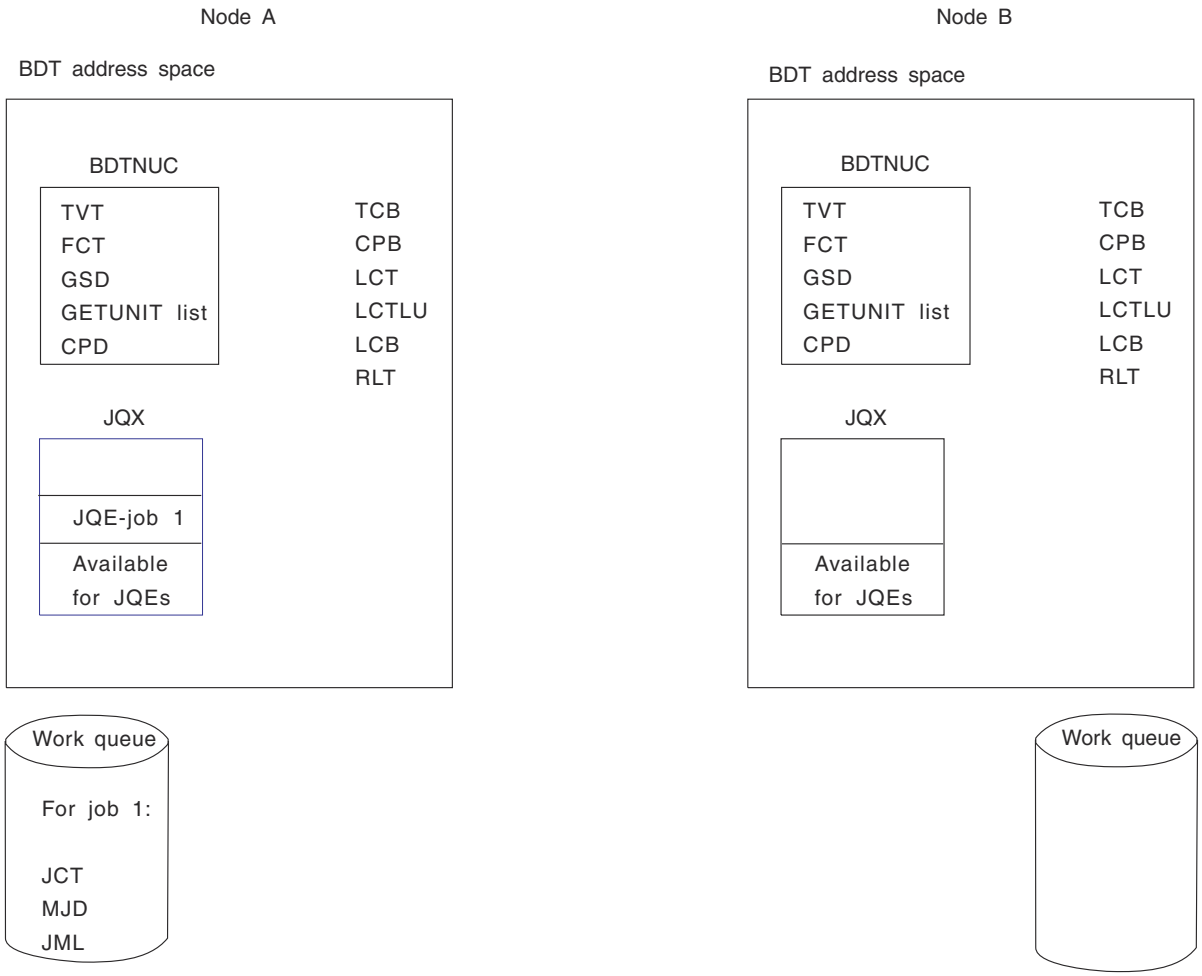

Figure 18. BDT control blocks after the job is purged

Relationships among BDT control blocks

The diagrams in this section show the relationships between BDT control blocks.

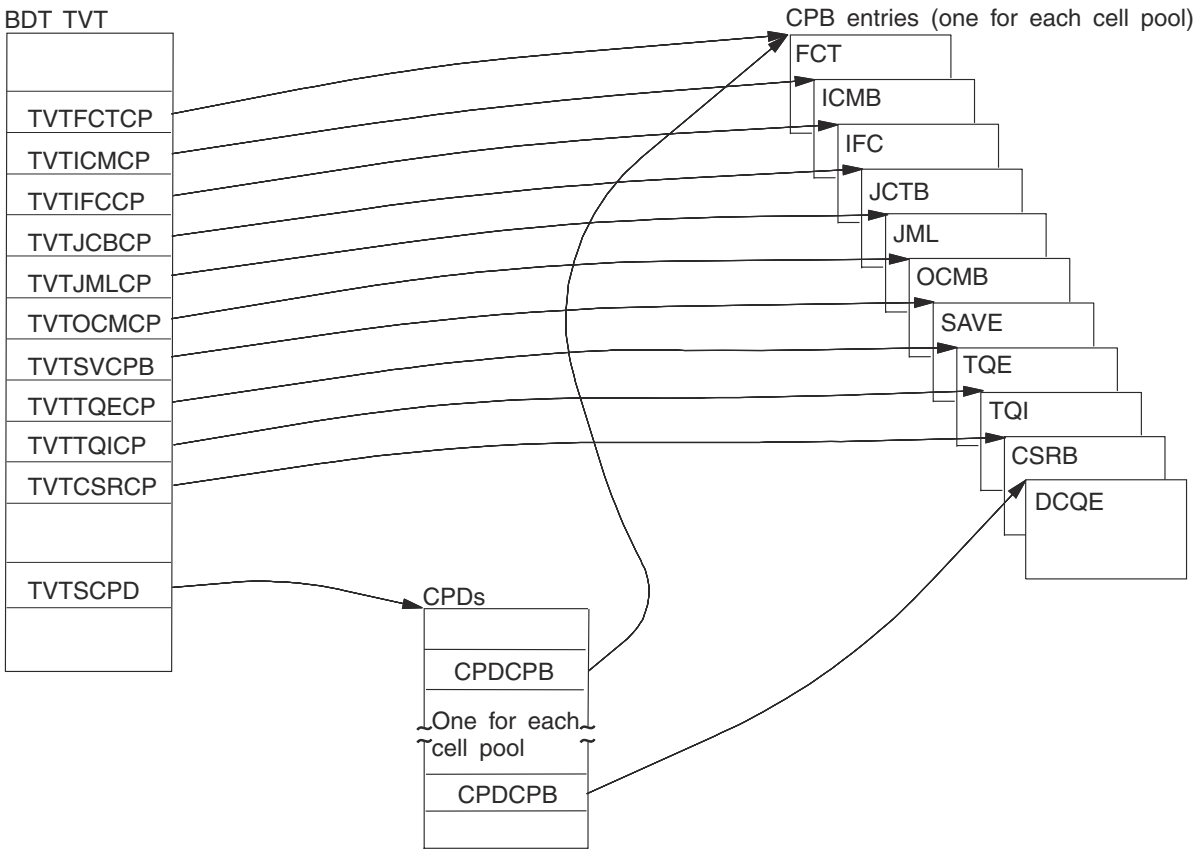

Figure 19. BDT storage management control blocks

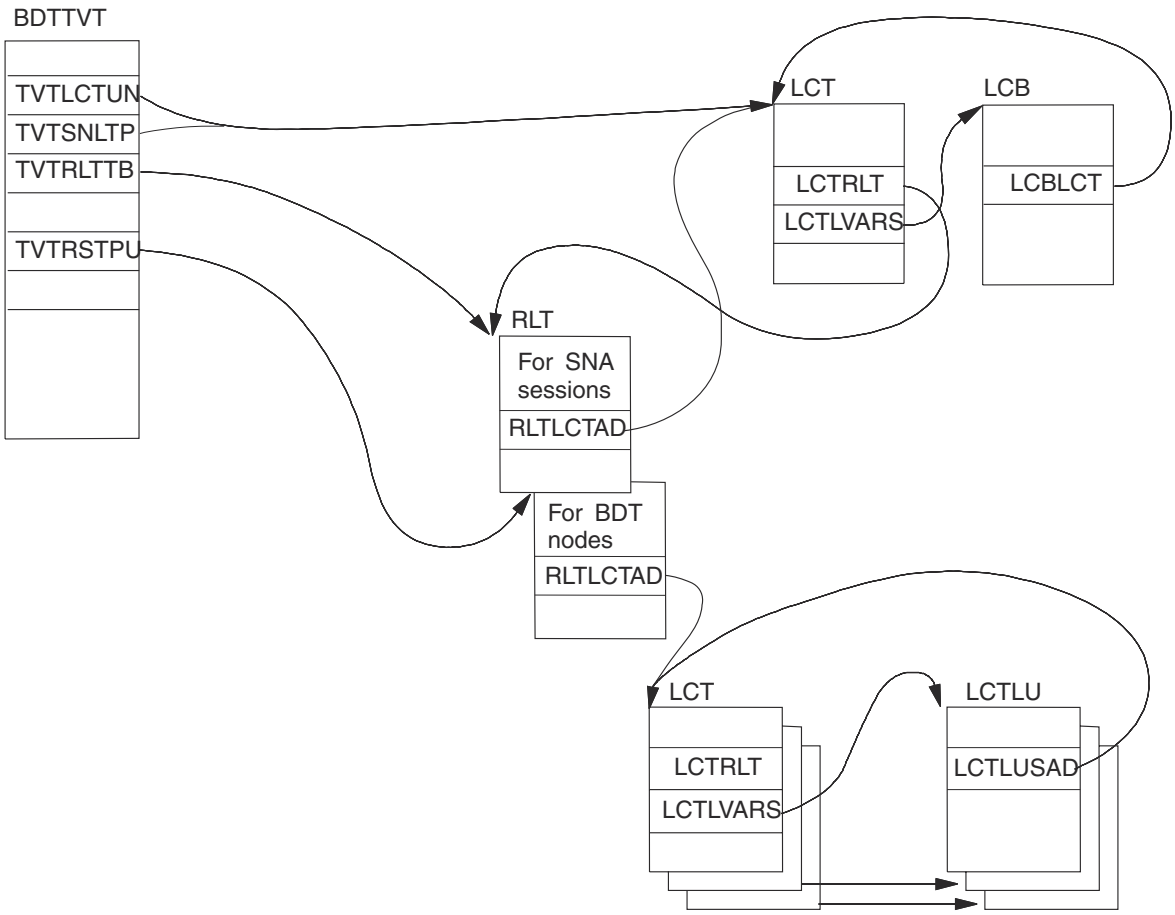

Figure 20. BDT session-related control blocks

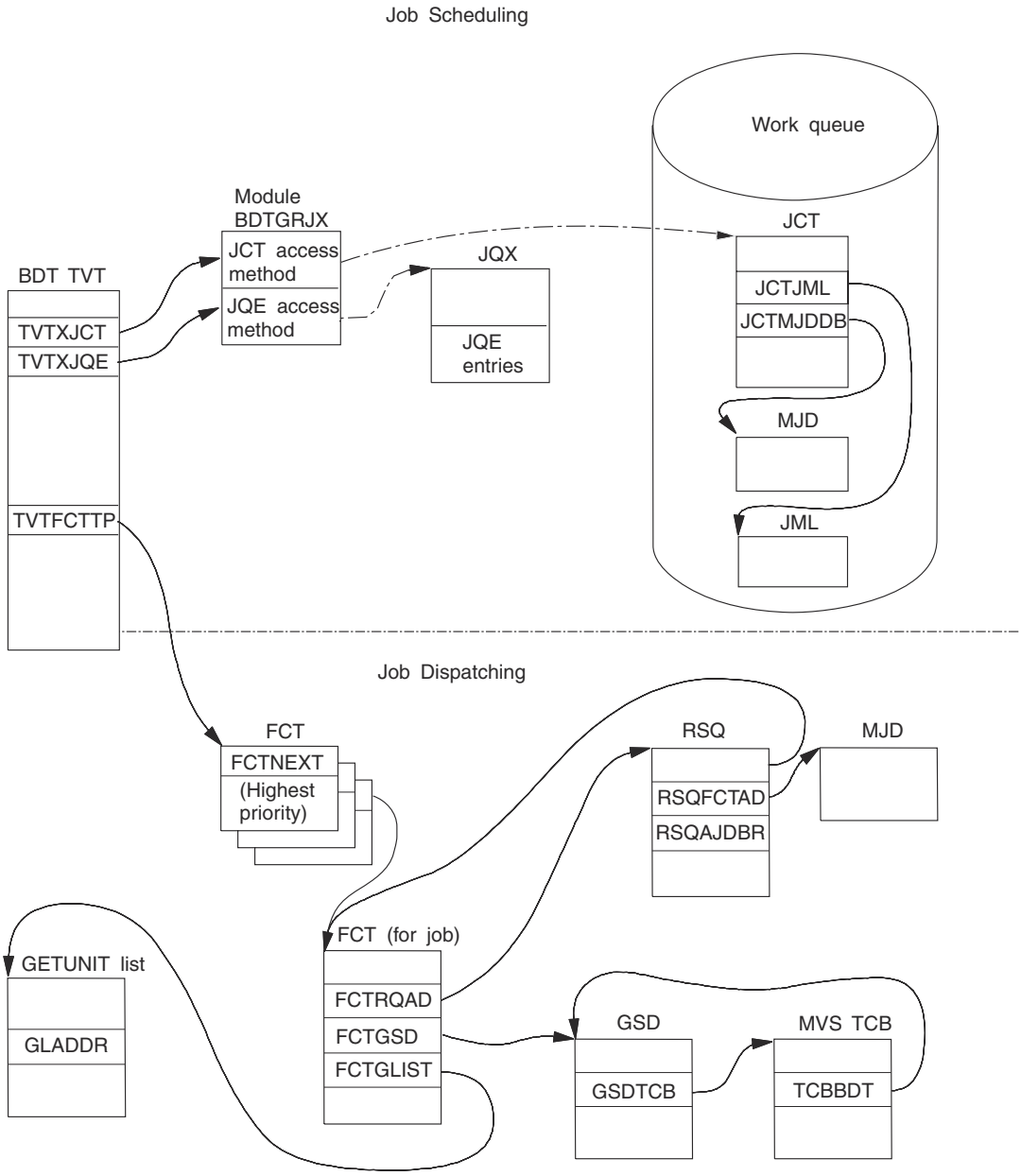

Figure 21. BDT job scheduling and dispatching control blocks

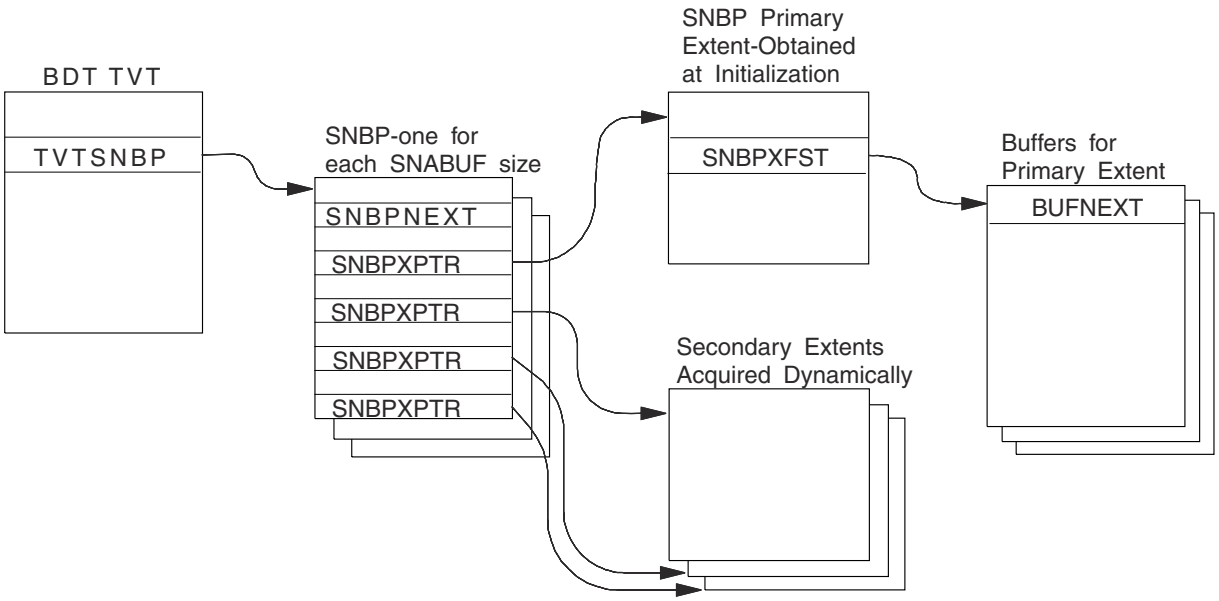

Figure 22. BDT SNA buffer management control blocks

Data Areas — Summaries and Layouts

Some data areas involved with BDT processing are described briefly. Following that, the principal BDT data areas are described along with layouts.

ACB
An access control block (ACB) is used for communication between ACF/VTAM and BDT. There is an ACB for file-to-file communication and an ACB for NJE communication. ACBs are created by BDTSCINT when the BDT SNA manager is initialized.

CPB
The cell pool control block (CPB) is a table of fixed length associated with each extent of a cell pool. The primary CPB defines the initial extent. Each time more storage is allocated to BDT, a secondary CPB is dynamically created and chained to the primary CPB. These secondary CPBs describe the new storage.

CPD
The BDT cell pool directory (CPD) is mapped by the data CSECT, BDTGRCPD,which is located in BDTNUC. It contains information that locates cell pools in the BDT address space. There is one CPD entry for each cell pool defined by a CELLPOOL initialization statement. Each entry in the CPD points to a primary cell pool control block.

DAP dictionary
A dynamic application program (DAP) dictionary contains DAP-related information, including the DAP name, the DAP number and priority, and various flags indicating whether the DAP is callable or reentrant. DAP entries are initialized by BDTGRPT.

DAP data areas for NJE
The send DAP and the receive DAP for NJE transfers each has its own DAP data area. The data areas are used as work areas. Storage is obtained for these work areas by BDTGRJR after the appropriate DAP driver module is loaded. Both DAP data areas contain processing flags, information concerning dynamic allocation text units, and the transaction origin identifier (XOID). In addition, the send DAP data area also contains the job number, the job name, and message parameters.

DCL
A data compression list (DCL) is created for each file-to-file or NJE VLU if compression is specified on the BDTNODE statement during initialization. The DCLs are created by BDTSCINT when the BDT SNA manager is initialized.

DDB
The data description block (DDB) contains information about the DDB request area, fixed area, and extent entry, such as the address of the area, length of the data, end of the entry, and size of the entry. The DDB is used by RBAM to read and write to a disk.

DSWA
The data support work area (DSWA) contains processing flags, a message buffer area, data areas and constants for user exits, and information about dynamic allocation text units and checkpoints. The DSWA is used for allocating and deallocating data sets. It is created by BDTGRJR before the appropriate DAP driver module is loaded.

EXLST
The exit list (EXLST) contains the addresses of the ACF/VTAM exits used by the BDT SNA manager. It is created by BDTSCINT when the BDT SNA manager is initialized.

FCT
The function control table (FCT) represents the dispatchable units of work in BDT. Resident FCT entries are part of BDTNUC, in CSECT BDTGRPT. FCT entries for BDT jobs are dynamically allocated from a cell pool defined in the initialization stream.

GETUNIT list
The GETUNIT list contains flags and pointers to the VLU/LCT that the DAP is using to copy data.

JML
The job message log (JML) contains messages related to the progress of a job and codes associated with the messages. There is one JML for each job that results from a transaction that included the MSGCLASS(LOG) parameter.

LCB
The logical unit control block (LCB) is an extension of the session LCT and is used for session control. It contains such information as the request parameter lists (RPLs) used to communicate with ACF/VTAM, bind parameters, counters for SEND/RECEIVE statistics, and buffer pool information. There is one LCB per session, and it is built during BDT SNA initialization.

RESQUEUE
A resident job queue entry (RESQUEUE) contains most job-related information, such as the job name,the job number in EBCDIC and binary, the source and destination data set DDNAMES, pointers to the displacement in the MJD where the addresses of the data transfer checkpoint areas can be found, and the time limit for the job. It is an in-storage version of the JCT when the BDT job is active.

SMF
The system management facilities (SMF) record accounting data about jobs. The SMF record type 59 contains information about BDT transactions such as the programmer, department, job number, bytes transferred, job entry time, node name, transaction source, transaction type, and job name. It is created by BDTACMN and is written out to spool when the job completes. For more information, see the system management facilities (SMF) manual that is appropriate for your installation.

SSOB, SSIB, BSIW
The subsystem interface options block (SSOB) contains the addresses of the subsystem interface identification block (SSIB) and the subsystem interface work area (BSIW). The SSIB contains the subsystem name and the job identifier. The BSIW contains the address of the BSID, the address of the response ECB, the pointer to the register save area, the service entrance list (SEL), and the address of the response exit. The SSOB, SSIB, and BSIW are mapped by BDTDBSI. BDTCMDV obtains storage for these control blocks at initialization.

BDT Subsystem Interface Data Area — BSID

The BDT subsystem interface data area (BSID) is a control block made up of a fixed area containing information about the type of BSID (transaction, command, or message), the transaction origin ID (XOID), the BDT subsystem ID, and the unique transaction identifier (UTI). The BSID also contains a variable area containing the command, message, or a master job definition (MJD) when the BSID represents a transaction.

Function:	The BSID provides basic information about the transaction, message, or command to BDT.
Macro ID:	BDTDBSID
DSECT name:	BSID
Created by:	BDTLP
Size:	Fixed area contains hex C0 bytes
Pointed to by:	TVTXDQUE
Location:	May originate in a user address space, such asTSO, JES, or other, in the case of a batch job. It is then passed to the BDT address space by the SSI. May also originate in the BDT address space.

```
OFFSETS      TYPE       LENGTH   NAME           DESCRIPTION

      BDT SUBSYSTEM INTERFACE DATA AREA(BSID)
      FIXED PART OF THE BSID
0     (0)    FIXED       2         BSIDTOTL     TOTAL LENGTH OF BSID
2     (2)    CHARACTER   4         BSIDID       CONTROL BLOCK IDENTIFIER
6     (6)    CHARACTER   4         BSIDVER#     BDT VERSION NUMBER
10    (A)    ADDRESS     2         BSIDFXDL     LENGTH OF FIXED PART OF BSID
12    (C)    BITSTRING   1         BSIDMOD      MODIFIER CODE

             ....  ...1            BSIDSHTL       "1" SHUTTLE STAGING AREA
             ....  ..1.            BSIDMESG       "2" BDT MESSAGE
             ....  ..11            BSIDXACT       "3" BDT TRANSACTION
             ....  .1..            BSIDCMND       "4" BDT COMMAND
             ....  .1.1            BSIDJCMD       "5" JES COMMAND
             ....  .11.            BSIDOFFL       "6" BDT/JES3 INTERFACE OFF
                                                  LINE
             ....  .111            BSIDREJT       "7" BDT/JES3 CONNECT   OFF
                                                  REJECTED
             ....  1...            BSIDJMSG       "8" BDT/JES3 JES3 CONSOLE
                                                  MSG
             ....  1..1            BSIDNATV       "9" NATIVE BDT TRANSACTION
             ....  1.1.            BSIDTQIP       "10" TQI POST MESSAGE
             ....  1.11            BSIDTQID       "11" TQI AUTO DISABLE
                                                  MESSAGE
             ....  11..            BSIDBDEV       "12" BEGIN RES FOR DEV MOD
                                                  CODES
             ....  11.1            BSIDRES1       "13" RESERVED
             ....  111.            BSIDNTRA       "14" RESERVED
             ....  1111            BSIDNOTE       "15" NJE TRANSACTION
                                                  NOTIFICATION
             ...1  ....            BSIDRES2       "16" RESERVED
             ...1  ...1            BSIDRES3       "17" RESERVED
             ...1  ..1.            BSIDRES4       "18" RESERVED
             ...1  ..11            BSIDCONT       "19" BDT CONNECT REQUEST
             ...1  .1..            BSIDSPND       "20" BDT SUSPEND REQUEST
             ...1  .1.1            BSIDRES5       "21" RESERVED
             ...1  .11.            BSIDRSUM       "22" BDT RESUME REQUEST
             ...1  .111            BSIDRES6       "23" RESERVED
             ...1  1...            BSIDRES7       "24" RESERVED
             ...1  1..1            BSIDRES8       "25" RESERVED
             ...1  1.1.            BSIDRES9       "26" RESERVED
             ...1  1.11            BSIDRS10       "27" RESERVED
             ...1  11..            BSIDRS11       "28" RESERVED
             ...1  11.1            BSIDRS12       "29" RESERVED
             ...1  111.            BSIDNNMR       "30" NJE NODAL MESSAGE
                                                  RECORD REQ
             ...1  1111            BSIDNMRR       "31" RETURN NMR TO JES3
             .1.1  ...1            BSIDNJET       "81" X'51' NJE TRANSACTION
             1...  ....            BSIDUSE1       "128" BEGIN RES FOR USER
                                                  MOD CODES
```

```
      MESSAGE CLASS DEFINITION
13    (D)    BITSTRING   1         BSIDMCLS     MESSAGE CLASS

             1...  ....            BSIDBDT        "BIT0" CLASS=BDT
             .1..  ....            BSIDBAT        "BIT1" CLASS=BATCH
             ..1.  ....            BSIDSYS        "BIT2" CLASS=SYSTEM
             ...1  ....            BSIDNLOG       "BIT3" CLASS=NOLOG
```

```
            ....  1...            BSIDSUPP        "BIT4" CLASS=SUPPRESS
            ....  .1..            BSIDMCR1        "BIT5" RESERVED
            ....  ..1.            BSIDMCR2        "BIT6" RESERVED
            ....  ...1            BSIDMCR3        "BIT7" RESERVED
```

```
      FLAG 1 DEFINITION
14    (E)    BITSTRING   1         BSIDFLG1     BSID FLAG 1

            1...  ....            BSIDSEND        "BIT0" BDT SYSTEM 'SEND'
                                                  COMMAND
            .1..  ....            BSIDIDUS        "BIT1" SYSID IS USER
                                                  SPECIFIED
            ..1.  ....            BSIDWAIT        "BIT2" SYNCHRONOUS RESP
                                                  REQUIRED
            ...1  ....            BSIDRPLY        "BIT3" ASYNCHRONOUS RESP
                                                  EXPECTED
            ....  1...            BSIDACK         "BIT4" SYNCHRONOUS ACKLDGD
                                                  REQUIRED
            ....  .1..            BSIDNOLG        "BIT5" SUPPRESS COMMAND DGD
                                                  LOGGING REQUIRED
            ....  ..1.            BSIDF1R1        "BIT6" RESERVED
            ....  ...1            BSIDF1R2        "BIT7" RESERVED
```

```
      FLAG 2 DEFINITION
15    (F)    BITSTRING   1         BSIDFLG2     BSID FLAG 2

            1...  ....            BSIDINMR        "BIT0" INBOUND NODAL
                                                  MESSAGE RECORD
            .1..  ....            BSIDPRI         "BIT1" PRIORITY TRANSACTION
            ..1.  ....            BSIDPTMN        "BIT2" BSID FREEMAIN TYPE
            ...1  ....            BSIDFILL        "BIT3" JES SHOULD FILL IN
                                                  JOB NUM
            ....  1...            BSIDSSNW        "BIT4" WAIT FOR TQI CKPT OF
                                                  CMD OR TRANS
            ....  .1..            BSIDJOBT        "BIT5" NJE JOB TRANSACTION
            ....  ..1.            BSIDSSOT        "BIT6" NJE SYSOUT
                                                  TRANSACTION
            ....  ...1            BSIDJBSI        "BIT7" BSID GOTTEN BY JES3
```

```
      FLAG 3 DEFINITION
16    (10)   BITSTRING   1         BSIDFLG3     BSID FLAG 3
```

```
      FLAG 4 DEFINITION
17    (11)   BITSTRING   1         BSIDFLG4     BSID FLAG 4
18    (12)   CHARACTER   4         BSIDXHDR     CONTROL BLOCK ACRONYM
22    (16)   CHARACTER   4         BSIDXREL     VERSION ID
26    (1A)   ADDRESS     2         BSIDXLEN     XOID LENGTH
28    (1C)   BITSTRING   8         BSIDXBSI     XACTION ORIGIN BDT SYS ID
36    (24)   BITSTRING   8         BSIDXBSN     XACTION ORIGIN BDT SYS NAME
```

```
      TRANSACTION ORIGIN TYPE
44    (2C)   BITSTRING   1         BSIDXTYP     XACTION ORIGIN TYPE

            ....  ...1            BSIDTSO         "1" TSO USER
            ....  ..1.            BSIDJES         "2" JES CONSOLE
            ....  ..11            BSIDBTCH        "3" BATCH JOB
            ....  .1..            BSIDMCS         "4" MCS CONSOLE
            ....  .1.1            BSIDLOG         "5" JOB MESSAGE LOG
            ....  .11.            BSIDFCT         "6" BDT FCT
            ....  .111            BSIDJMC         "7" JES MESSAGE CLASS
            ....  1...            BSIDRDEV        "8" BEGIN DEVELOPMENT
                                                  DEFINED XOIDXTYP
            1...  ....            BSIDUSER        "128" BEGIN USER DEFINED
                                                  XOIDXTYP
```

```
      FLAG 1 DEFINITION
45    (2D)   BITSTRING   1         BSIDXFL1     XOID FLAG 1

            1...  ....            BSIDXMCL        "BIT0" SUPPRESSION OF
                                                  MESSAGE CLASS
            .1..  ....            BSIDX1R1        "BIT1" RESERVED
            ..1.  ....            BSIDX1R2        "BIT2" RESERVED
            ...1  ....            BSIDX1R3        "BIT3" RESERVED
            ....  1...            BSIDX1R4        "BIT4" RESERVED
            ....  .1..            BSIDX1R5        "BIT5" RESERVED
```

```
            ....  ..1.           BSIDX1R6        "BIT6" RESERVED
            ....  ...1           BSIDX1R7        "BIT7" RESERVED

      MISCELLANEOUS INFORMATION
46    (2E)   CHARACTER   8         BSIDXDDN     TRANSACTION ORIGIN DDNAME
46    (2E)   CHARACTER   8         BSIDUSID     TSO USERID
46    (2E)   CHARACTER   8         BSIDCNDD     JES CONSOLE DDNAME
46    (2E)   CHARACTER   8         BSIDJCLS     JES MESSAGE CLASS
46    (2E)   CHARACTER   8         BSIDBJNM     BATCH JOB NAME
46    (2E)   ADDRESS     1         BSIDMCSI     MCS CONSOLE ID
46    (2E)   BITSTRING   2         BSIDBJNO     BDT JOB NUMBER
46    (2E)   BITSTRING   8         BSIDDDRS     DDNAME

      RESERVED FIELDS
54    (36)   BITSTRING   4         BSIDXRDR     RESERVED
58    (3A)   BITSTRING   4         BSIDXRD3     RESERVED
62    (3E)   BITSTRING   4         BSIDXRS1     RESERVED
66    (42)   BITSTRING   4         BSIDXRS2     RESERVED
70    (46)   BITSTRING   4         BSIDXRU1     RESERVED
74    (4A)   BITSTRING   4         BSIDXRU2     RESERVED

            ..1.  1111           BSIDMCSA        MCS CONSOLE UX28 AUTH
            .1..  111.           BSIDXEND        END OF XOID
            ...1  ..1.           BSIDXOID        XOID EQUATE
            ...1  11..           BSIDXALL        BSI EQUATE

78    (4E)   CHARACTER   8         BSIDDEST     DESTINATION
78    (4E)   CHARACTER   8         BSIDORG      ORIGIN
78    (4E)   CHARACTER   8         BSIDSYSI     BDT SYSTEM ID
86    (56)   ADDRESS     2         BSIDJNUM     JES JOB NUMBER OF BDT SYSTEM

      TQI UNIQUE IDENTIFIER MAPPING MACRO
88    (58)   FIXED       4         BSIUTI
88    (58)   BITSTRING   1         BSIRECS      NUMBER OF RECORDS REQUIRED

           1...  ....           BSIREXMT        "BIT0" RETRANSMISSION FLAG
           1...  ....           BSIPNDFG        "BIT0" TQI PENDING FLAG

89    (59)   CHARACTER   3         BSICPUID     CPU ID CHARACTERS
92    (5C)   FIXED       4         BSIRNWD      ALIGNMENT
92    (5C)   FIXED       2         BSIRUD1      RESERVED FOR DEVELOPMENT
94    (5E)   FIXED       2         BSIRNUM      RELATIVE RECORD NUMBER
96    (60)   CHARACTER   8         BSIDTTM      DATE TIME STAMP
104   (68)   CHARACTER   8         BSIXMTTM     TIME OF SUBMISSION
112   (70)   FIXED       4         BSIEND       END OF UTI

            ...1  1...           BSISIZE         LENGTH OF UTI
            .1.1  1...           BSIENTRY        UTI EQUATE

112   (70)   ADDRESS     4         BSIDTQI1     TQI UTILITY FIELD
116   (74)   ADDRESS     4         BSIDTQI2     TQI UTILITY FIELD
120   (78)   ADDRESS     4         BSIDJES3     JES3 USE
124   (7C)   ADDRESS     2         BSIDVRDL     LENGTH OF VARIABLE PART OF
                                                   BSID
126   (7E)   ADDRESS     2         BSIDRSD2     RESERVED
128   (80)   ADDRESS     4         BSIDRSD3     RESERVED
132   (84)   ADDRESS     4         BSIDRSD4     RESERVED
136   (88)   ADDRESS     4         BSIDRSD5     RESERVED
140   (8C)   ADDRESS     4         BSIDRSD6     RESERVED
144   (90)   ADDRESS     4         BSIDRSD7     RESERVED
148   (94)   ADDRESS     4         BSIDRSD8     RESERVED
152   (98)   CHARACTER   8         BSIDRSD9     RESERVED
160   (A0)   CHARACTER   8         BSIDRSDA     RESERVED
168   (A8)   ADDRESS     4         BSIDRSS1     RESERVED
172   (AC)   ADDRESS     4         BSIDRSS2     RESERVED
176   (B0)   ADDRESS     4         BSIDRSS3     RESERVED
180   (B4)   ADDRESS     4         BSIDRSS4     RESERVED
184   (B8)   ADDRESS     4         BSIDRSU1     RESERVED
188   (BC)   ADDRESS     4         BSIDRSU2     RESERVED
192   (C0)   FIXED       2         BSIDFEND     ALIGN TO FULLWORD

            ....  ....           BSIDFIXD        FIXED LENGTH OF BSID
            11..  ....           BSIDMINL        MINIMUM LENGTH OF BSID

192   (C0)   FIXED                 BSIDMAXL     "3584" MAXIMUM LENGTH OF BSID
192   (C0)   FIXED       2         BSIDDATA     BEGINNING OF VARIABLE DATA
```

```
      VARIABLE PART OF THE BSID
      BSID EXTENSION FOR NJE
192   (C0)   FIXED       2         BSIDNJE      BDT EXTENSION FOR NJE
192   (C0)   CHARACTER   1         BSIDEVNT     BDT EVENT FIELD

             ....  ...1            BSIDTRNQ       "1" TRANSACTION QUEUED
             ....  ..1.            BSIDABNR       "2" TRANSACTION ABNORMAL
                                                  COMPLETION
             ....  ..11            BSIDCANC       "3" TRANSACTION CANCELLED
                                                  BY OPER
             ....  .1..            BSIDDUPE       "4" TRANSACTION IS A
                                                  DUPLICATE
             ....  .1.1            BSIDOPRC       "5" TRANSACTION NOT QUEUED
                                                  NODE IS NOT AN NJE NODE.
             ....  .11.            BSIDOPRX       "6" TRANSACTION REMOVED
                                                  FROM QUEUE NODE HAS BEEN
                                                  REMOVED.
             ....  .111            BSIDNCAN       "7" JES3 CANCEL REJECTED
             ....  1...            BSIDNEV2       "8" RESERVED
             ....  1..1            BSIDNEV3       "9" RESERVED
             ....  1.1.            BSIDNJOB       "10" JOB NOT FOUND
             ....  1.11            BSIDNEV4       "11" RESERVED
             ....  11..            BSIDNEV5       "12" RESERVED
             ....  11.1            BSIDNEV6       "13" RESERVED
             ....  111.            BSIDNEV7       "14" RESERVED
             ....  1111            BSIDNEV8       "15" RESERVED
             ...1  ....            BSIDNEV9       "16" RESERVED
             ...1  ...1            BSIDNE10       "17" RESERVED
             ...1  ..1.            BSIDNE11       "18" RESERVED
             ...1  ..11            BSIDNE12       "19" RESERVED
             ...1  .1..            BSIDNORC       "20" NORMAL CONNECT
                                                  REQUESTED
             ...1  .1.1            BSIDABNC       "21" ABNORMAL CONNECT
                                                  REQUESTED

193   (C1)   CHARACTER   1         BSIDDTR1     RESERVED
194   (C2)   CHARACTER   8         BSIDJGID     JES3 GROUP ID
202   (CA)   FIXED       2         BSIDBJOB     BDT JOB NUMBER
204   (CC)   CHARACTER   8         BSIDJOBN     JES3 JOB NAME
212   (D4)   CHARACTER   8         BSIDJJOB     JES3 JOB NUMBER
220   (DC)   FIXED       4         BSIDVEND     END OF VARIABLE DATA

             .1..  111.            BSIDDNOD       "BSIDDEST" DESTINATION NODE
                                                  NAME
             11..  ....            BSIDVARL       VARIABLE LENGTH        NODE
```

CROSS REFERENCE

NAME	HEX OFFSET	HEX VALUE	LEVEL
BSICPUID	59	4040	2
BSIDABNC	C0	15	2
BSIDABNR	C0	2	2
BSIDACK	E	8	2
BSIDBAT	D	40	2
BSIDBDEV	C	C	2
BSIDBDT	D	80	2
BSIDBJNM	2E		2
BSIDBJNO	2E		2
BSIDBJOB	CA		2
BSIDBTCH	2C	3	2
BSIDCANC	C0	3	2
BSIDCMND	C	4	2
BSIDCNDD	2E		2
BSIDCONT	C	13	2
BSIDDATA	C0		2
BSIDDDRS	2E	0	2
BSIDDEST	4E		2
BSIDDNOD	DC	4E	2
BSIDDTR1	C1		2
BSIDDUPE	C0	4	2
BSIDEVNT	C0		2
BSIDFCT	2C	6	2
BSIDFEND	C0		2
BSIDFILL	F	10	2
BSIDFIXD	C0	0	2
BSIDFLG1	E		2
BSIDFLG2	F		2
BSIDFLG3	10		2
BSIDFLG4	11		2

```
BSIDFXDL                A       C0      2
BSIDF1R1                E       2       2
BSIDF1R2                E       1       2
BSIDID                  2       C2E2    2
BSIDIDUS                E       40      2
BSIDINMR                F       80      2
BSIDJBSI                F       1       2
BSIDJCLS                2E              2
BSIDJCMD                C       5       2
BSIDJES                 2C      2       2
BSIDJES3                78              2
BSIDJGID                C2              2
BSIDJJOB                D4              2
BSIDJMC                 2C      7       2
BSIDJMSG                C       8       2
BSIDJNUM                56              2
BSIDJOBN                CC              2
BSIDJOBT                F       4       2
BSIDLOG                 2C      5       2
BSIDMAXL                C0      E00     2
BSIDMCLS                D               2
BSIDMCR1                D       4       2
BSIDMCR2                D       2       2
BSIDMCR3                D       1       2
BSIDMCS                 2C      4       2
BSIDMCSA                4A      2F      2
BSIDMCSI                2E              2
BSIDMESG                C       2       2
BSIDMINL                C0      C0      2
BSIDMOD                 C       0       2
BSIDNATV                C       9       2
BSIDNCAN                C0      7       2
BSIDNEV2                C0      8       2
BSIDNEV3                C0      9       2
BSIDNEV4                C0      B       2
BSIDNEV5                C0      C       2
BSIDNEV6                C0      D       2
BSIDNEV7                C0      E       2
BSIDNEV8                C0      F       2
BSIDNEV9                C0      10      2
BSIDNE10                C0      11      2
BSIDNE11                C0      12      2
BSIDNE12                C0      13      2
BSIDNJE                 C0              2
BSIDNJET                C       51      2
BSIDNJOB                C0      A       2
BSIDNLOG                D       10      2
BSIDNMRR                C       1F      2
BSIDNNMR                C       1E      2
BSIDNOLG                E       4       2
BSIDNORC                C0      14      2
BSIDNOTE                C       F       2
BSIDNTRA                C       E       2
BSIDOFFL                C       6       2
BSIDOPRC                C0      5       2
BSIDOPRX                C0      6       2
BSIDORG                 4E              2
BSIDPRI                 F       40      2
BSIDPTMN                F       20      2
BSIDRDEV                2C      8       2
BSIDREJT                C       7       2
BSIDRES1                C       D       2
BSIDRES2                C       10      2
BSIDRES3                C       11      2
BSIDRES4                C       12      2
BSIDRES5                C       15      2
BSIDRES6                C       17      2
BSIDRES7                C       18      2
BSIDRES8                C       19      2
BSIDRES9                C       1A      2
BSIDRPLY                E       10      2
BSIDRSDA                A0      4040    2
BSIDRSD2                7E              2
BSIDRSD3                80              2
BSIDRSD4                84              2
BSIDRSD5                88              2
BSIDRSD6                8C              2
BSIDRSD7                90              2
BSIDRSD8                94              2
BSIDRSD9                98      4040    2
BSIDRSS1                A8              2
BSIDRSS2                AC              2
```

```
BSIDRSS3                B0              2
BSIDRSS4                B4              2
BSIDRSUM                C       16      2
BSIDRSU1                B8              2
BSIDRSU2                BC              2
BSIDRS10                C       1B      2
BSIDRS11                C       1C      2
BSIDRS12                C       1D      2
BSIDSEND                E       80      2
BSIDSHTL                C       1       2
BSIDSPND                C       14      2
BSIDSSNW                F       8       2
BSIDSSOT                F       2       2
BSIDSUPP                D       8       2
BSIDSYS                 D       20      2
BSIDSYSI                4E      4040    2
BSIDTOTL                0       0       2
BSIDTQID                C       B       2
BSIDTQIP                C       A       2
BSIDTQI1                70              2
BSIDTQI2                74              2
BSIDTRNQ                C0      1       2
BSIDTSO                 2C      1       2
BSIDTTM                 60      4040    2
BSIDUSER                2C      80      2
BSIDUSE1                C       80      2
BSIDUSID                2E              2
BSIDVARL                DC      C0      2
BSIDVEND                DC              2
BSIDVER#                6       F2F0    2
BSIDVRDL                7C      1C      2
BSIDWAIT                E       20      2
BSIDXACT                C       3       2
BSIDXALL                4A      1C      2
BSIDXBSI                1C      0       2
BSIDXBSN                24      0       2
BSIDXDDN                2E              2
BSIDXEND                4A      4E      2
BSIDXFL1                2D      0       2
BSIDXHDR                12      E7D6    2
BSIDXLEN                1A      3C      2
BSIDXMCL                2D      80      2
BSIDXOID                4A      12      2
BSIDXRD2                36      0       2
BSIDXRD3                3A      0       2
BSIDXREL                16      F1F0    2
BSIDXRS1                3E      0       2
BSIDXRS2                42      0       2
BSIDXRU1                46      0       2
BSIDXRU2                4A      0       2
BSIDXTYP                2C      0       2
BSIDX1R1                2D      40      2
BSIDX1R2                2D      20      2
BSIDX1R3                2D      10      2
BSIDX1R4                2D      8       2
BSIDX1R5                2D      4       2
BSIDX1R6                2D      2       2
BSIDX1R7                2D      1       2
BSIEND                  70              2
BSIENTRY                70      58      2
BSIPNDFG                58      80      2
BSIRECS                 58      0       2
BSIREXMT                58      80      2
BSIRNUM                 5E      0       2
BSIRNWD                 5C              2
BSIRUD1                 5C      0       2
BSISIZE                 70      18      2
BSIUTI                  58              2
BSIXMTTM                68      4040    2
```

Chapter 4. Generalized Subtask Directory — GSD

The generalized subtask directory (GSD) contains one entry for each resident function and each scheduled job. It also contains the address of the MVS TCB, which is needed for dispatching the BDT task that isassociated with each resident function or job.

The GSD is used by abend and recovery functions and by the multifunction monitor, BDTGRCT.	
Macro ID:	BDTDGSD
DSECT name:	GSDSTART
Created by:	BDTGRJS via BDTGRFC
Size:	Hex 1F4 bytes
Pointed to by:	JMLGSD, FCTGSD, TCBBDT
Location:	GSDs for resident functions reside permanently in BDTGRPT in BDTNUC.The GSDs for jobs are dynamically allocated in cell pool FCTs when the transaction is scheduled, and released when the job is purged.

```
OFFSETS      TYPE        LENGTH    NAME         DESCRIPTION

      GENERALIZED SUBTASK DIRECTORY PREFIX
      MACDATE = 04/12/82
      THE VALUE OF SPLEVEL IS NOW 1
      GENERALIZED SUBTASK DIRECTORY PREFIX
0     (0)    CHARACTER   4         GSDID        CONTROL BLOCK ID
4     (4)    CHARACTER   4         GSDREL       VERSION RELEASE ID
8     (8)    ADDRESS     2         GSDLEN       CONTROL BLOCK SIZE
10    (A)    ADDRESS     2         GSDURSV1     RESERVED
12    (C)    FIXED       4         GSDECB       ADDRESS OF SUBTASK ECB
16    (10)   FIXED       4         GSDTMDT      TIME AND DATE OF ABEND
16    (10)   FIXED       4         GSDTIME      TIME OF ABEND
20    (14)   FIXED       4         GSDDATE      DATE OF ABEND
24    (18)   BITSTRING   1         GSDILC1      INSTRUCTION LENGTH CODE
25    (19)   BITSTRING   2         GSDINC1      INTERRUPT CODE

      DEFINITION OF GSDFLG2
27    (1B)   BITSTRING   1         GSDFLG2      FLAG2

             1...  ....           GSDRCVLD       "BIT0" REASON CODE IS VALID
             .1..  ....           GSDSVDMP       "BIT1" SVC DUMP TAKEN
             ..1.  ....           GSDSYNC        "BIT2" SYNCHRONOUS ABEND
                                                 REQUESTED
             ...1  ....           GSDNOLST       "BIT3" NO LIST PRESENT IN
                                                 SDTLIST
             ....  1...           GSDGET1        "BIT4" PARMLIST STORAGE
                                                 OBTAINED
             ....  .1..           GSDGET2        "BIT5" SDUMP TITLE STG
                                                 OBTAINED
             ....  ..1.           GSDCCRCD       "BIT6" COMPL CODE HAS BEEN
                                                 RECORDED
             ....  ...1           GSDFL2R2       "BIT7" RESERVED

28    (1C)   FIXED       4         GSDNXT1      ADDRESS OF NEXT INSTRUCTION
32    (20)   FIXED       4         GSDDRSV1     RESERVED
36    (24)   ADDRESS     4         GSDDUMPT     ADDRESS OF DUMP TITLE TEXT

      SUBTASK REGISTER SAVE AREA
40    (28)   FIXED       4         GSDSUBSV     SUBTASK REGISTERS R3 R10
```

```
72    (48)   FIXED       4         GSDFCT       SUBTASK REGISTER R11
76    (4C)   FIXED       4         GSDTVT       SUBTASK REGISTER R12
80    (50)   FIXED       4         GSDR13       SUBTASK REGISTER R13

      ESTAE EXIT REGISTER SAVE AREA
84    (54)   FIXED       4         GSDESTAE     ESTAE EXIT REGISTER SAVE AREA

      REGISTER SAVE AREA AT TIME OF ABEND
148   (94)   FIXED       4         GSDERREG     CONTENTS OF R0 R15 AT TIME OF
                                                  ABEND
212   (D4)   FIXED       4         GSDPSW       ABEND PSW
220   (DC)   FIXED       4         GSDABCC      ABEND COMPLETION CODE
224   (E0)   BITSTRING   1         GSDLOCK      SUBTASK LOCK
225   (E1)   BITSTRING   1         GSDECF       SUBTASK ECF

      DEFINITION OF GSDFLG1
226   (E2)   BITSTRING   1         GSDFLG1      FLAG1

             1...  ....           GSDFAILD       "BIT0" FAILDAP ISSUED
             .1..  ....           GSDNODMP       "BIT1" SUPPRESS BDT
                                                  FORMATTED DUMP
             ..1.  ....           GSDRTM         "BIT2" TASK TERMINATED BY
                                                  RTM
             ...1  ....           GSDREST        "BIT3" RESTART REQUESTED
             ....  1...           GSDNOREC       "BIT4" NO RECOVERY
                                                  PERMITTED
             ....  .1..           GSDCANCL       "BIT5" JOB CANCELLED
             ....  ..1.           GSDBD322       "BIT6" JOB EXCEEDED TIME
                                                  LIMIT
             ....  ...1           GSDABEND       "BIT7" ABEND IN PROGRESS

      DEFINITION OF SUBTASK RETURN CODES
227   (E3)   BITSTRING   1         GSDRC        SUBTASK RETURN CODE

             ....  ....           GSDNORM        "X'00'" NORMAL RETURN
             ....  .1..           GSDABND        "X'04'" FUNCTION ABENDED

228   (E4)   FIXED       4         GSDTCB       ADDRESS OF SUBTASK TCB
232   (E8)   FIXED       4         GSDRSD01     RESERVED
236   (EC)   FIXED       4         GSDRSD02     RESERVED
240   (F0)   FIXED       4         GSDRSD03     RESERVED
244   (F4)   FIXED       4         GSDSTRAD     ADDRESS OF GETMAIN'ED AREA
248   (F8)               8         GSDDWORK     WORK AREA
256   (100)  CHARACTER   8         GSDRCVMD     RECOVERY ROUTINE MODULE NAME
264   (108)  CHARACTER   8         GSDRCVLB     RECOVERY ROUTINE LABEL

      ESTAE ,PURGE=QUIESCE,ASYNCH=NO,
            TERM=TES,RECORD=YES,MF=L
      MACDATE 80247
272   (110)  FIXED       4
272   (110)  ADDRESS     1         GSDESTAL      FLAGS FOR TCB,PURGE,ASYNCH
273   (111)  ADDRESS     3                     EXIT ADDR. NOT SPECIFIED
276   (114)  ADDRESS     4                     PARM. LIST ADDR. NOT SPECIFIED
280   (118)  ADDRESS     4                     TCB NOT SPECIFIED
284   (11C)  ADDRESS     1                     FLAGS
285   (11D)  ADDRESS     3                     RESERVED
288   (120)  ADDRESS     4                     TOKEN VALUE AREA
292   (124)  FIXED       2         GSDESTND
296)  (128)              8         GSDTWA        GSD TRACE WORK AREA

      TRACE WORK AREA
296   (128)              8
296   (128)  CHARACTER   4                     DIRECTORY ID
300   (12C)  CHARACTER   4                     VERSION RELEASE ID
304   (130)  ADDRESS     2                     CONTROL BLOCK SIZE
306   (132)  BITSTRING   1                     GENERIC FOR TWA WORK AREA
306   (132)  CHARACTER   4                     CHARS 4 7 OF MODULE NAME
310   (136)  BITSTRING   1                     RESERVED FOR DEV
311   (137)  CHARACTER   1                     ID FOR THIS TRACE ENTRY
312   (138)  ADDRESS     2                     OFFSET IN MOD FOR BDTXTRC
316   (13C)  FIXED       4                     GENERIC FOR ALL TWATW WORDS
316   (13C)  ADDRESS     4                     TRC ENT BDTXTRC ENTRY WORD 1
320   (140)  ADDRESS     4                     TRC ENT BDTXTRC ENTRY WORD 2
324   (144)  ADDRESS     4                     TRC ENT BDTXTRC ENTRY WORD 3
328   (148)  ADDRESS     4                     TRC ENT BDTXTRC ENTRY WORD 4
332   (14C)  ADDRESS     4                     TRC ENT BDTXTRC ENTRY WORD 5
```

```
336   (150)  ADDRESS     4                    TRC ENT BDTXTRC ENTRY WORD 6
340   (154)  BITSTRING   1                    GENERIC FOR ALL TWATW WORDS
340   (154)  BITSTRING   1                    TRC ENT REG SAVE AREA
340   (154)  ADDRESS     4                    TRC ENT REG 00
344   (158)  ADDRESS     4                    TRC ENT REG 01
348   (15C)  ADDRESS     4                    TRC ENT REG 02
352   (160)  ADDRESS     4                    TRC ENT REG 03
356   (164)  ADDRESS     4                    TRC ENT REG 04
360   (168)  ADDRESS     4                    TRC ENT REG 05
364   (16C)  ADDRESS     4                    TRC ENT REG 06
368   (170)  ADDRESS     4                    TRC ENT REG 07
372   (174)  ADDRESS     4                    TRC ENT REG 08
376   (178)  ADDRESS     4                    TRC ENT REG 09
380   (17C)  ADDRESS     4                    TRC ENT REG 10
384   (180)  ADDRESS     4                    TRC ENT REG 11
388   (184)  ADDRESS     4                    TRC ENT REG 12
392   (188)  ADDRESS     4                    TRC ENT REG 13
396   (18C)  ADDRESS     4                    TRC ENT REG 14
400   (190)  ADDRESS     4                    TRC ENT REG 15
404   (194)  ADDRESS     4                    BDTXTRC REG SAVE AREA
472   (1D8)              8                    TRC ENT TIME FIELD
480   (1E0)  ADDRESS     4                    RC FROM LAST GRTX CALL
484   (1E4)  ADDRESS     4                    RES FOR DESIGN
488   (1E8)  ADDRESS     4                    RES FOR DESIGN
492   (1EC)  ADDRESS     4                    RES FOR SERVICE
496   (1F0)  ADDRESS     4                    RES FOR SERVICE
500   (1F4)  BITSTRING   1                    END OF TWA

500   (1F4)                        GSDEND      END OF GSD
500   (1F4)                        GSDSIZE     LENGTH OF GSD
```

```
      TRACE WORK AREA
0     (0)    CHARACTER   4          TWACBID    CONTROL BLOCK ID
4     (4)    CHARACTER   4          TWAREL     VERSION RELEASE ID
8     (8)    ADDRESS     2          TWAKLEN    CONTROL BLOCK SIZE
10    (A)    BITSTRING   1          TWAWORK    GENERIC FOR TWA WORK AREA
10    (A)    CHARACTER   4          TWANAME    CHARS 4 7 OF MODULE NAME
14    (E)    BITSTRING   1          TWARES     RESERVED FOR DEV
15    (F)    CHARACTER   1          TWAID      ID FOR THIS TRACE ENTRY
16    (10)   ADDRESS     2          TWAOFF     OFFSET IN MOD FOR BDTXTRC
20    (14)   FIXED       4          TWATW      GENERIC FOR ALL TWATW WORDS
20    (14)   ADDRESS     4          TWATW1     TRC ENT BDTXTRC ENTRY WORD 1
24    (18)   ADDRESS     4          TWATW2     TRC ENT BDTXTRC ENTRY WORD 2
28    (1C)   ADDRESS     4          TWATW3     TRC ENT BDTXTRC ENTRY WORD 3
32    (20)   ADDRESS     4          TWATW4     TRC ENT BDTXTRC ENTRY WORD 4
36    (24)   ADDRESS     4          TWATW5     TRC ENT BDTXTRC ENTRY WORD 5
40    (28)   ADDRESS     4          TWATW6     TRC ENT BDTXTRC ENTRY WORD 6
44    (2C)   BITSTRING   1          TWATWEND   GENERIC FOR ALL TWATW WORDS
44    (2C)   BITSTRING   1          TWAREGS    TRC ENT REG SAVE AREA
44    (2C)   ADDRESS     4          TWAR00     TRC ENT REG 00
48    (30)   ADDRESS     4          TWAR01     TRC ENT REG 01
52    (34)   ADDRESS     4          TWAR02     TRC ENT REG 02
56    (38)   ADDRESS     4          TWAR03     TRC ENT REG 03
60    (3C)   ADDRESS     4          TWAR04     TRC ENT REG 04
64    (40)   ADDRESS     4          TWAR05     TRC ENT REG 05
68    (44)   ADDRESS     4          TWAR06     TRC ENT REG 06
72    (48)   ADDRESS     4          TWAR07     TRC ENT REG 07
76    (4C)   ADDRESS     4          TWAR08     TRC ENT REG 08
80    (50)   ADDRESS     4          TWAR09     TRC ENT REG 09
84    (54)   ADDRESS     4          TWAR10     TRC ENT REG 10
88    (58)   ADDRESS     4          TWAR11     TRC ENT REG 11
92    (5C)   ADDRESS     4          TWAR12     TRC ENT REG 12
96    (60)   ADDRESS     4          TWAR13     TRC ENT REG 13
100   (64)   ADDRESS     4          TWAR14     TRC ENT REG 14
104   (68)   ADDRESS     4          TWAR15     TRC ENT REG 15
108   (6C)   ADDRESS     4          TWASAVE    BDTXTRC REG SAVE AREA
176   (B0)               8          TWASTCK    TRC ENT TIME FIELD
184   (B8)   ADDRESS     4          TWARETC    RC FROM LAST GRTX CALL
188   (BC)   ADDRESS     4          TWARES1    RES FOR DESIGN
192   (C0)   ADDRESS     4          TWARES2    RES FOR DESIGN
196   (C4)   ADDRESS     4          TWARES3    RES FOR SERVICE
200   (C8)   ADDRESS     4          TWARES4    RES FOR SERVICE
204   (CC)   BITSTRING   1          TWAEND     END OF TWA

             11..  11..             TWASIZE      LENGTH OF TWA
             11..  ..1.             TWAWORKL     LENGTH OF TWA WORK AREA
             ...1  1...             TWATWL       LTH FOR GENERIC TWATW WORDS
```

```
                          CROSS REFERENCE
                           HEX     HEX
```

NAME	OFFSET	VALUE	
GSDABCC	DC	0	2
GSDABEND	E2	1	2
GSDABND	E3	4	2
GSDBD322	E2	2	2
GSDCANCL	E2	4	2
GSDCCRCD	1B	2	2
GSDDATE	14	0	2
GSDDRSV1	20	0	2
GSDDUMPT	24		2
GSDDWORK	F8	0	2
GSDECB	C	0	2
GSDECF	E1	0	2
GSDEND	1F4	1F4	2
GSDERREG	94	0	2
GSDESTAE	54	0	2
GSDESTAL	110		2
GSDESTND	124		2
GSDFAILD	E2	80	2
GSDFCT	48	0	2
GSDFLG1	E2	0	2
GSDFLG2	1B	0	2
GSDFL2R2	1B	1	2
GSDGET1	1B	8	2
GSDGET2	1B	4	2
GSDID	0	C7E2	2
GSDILC1	18	0	2
GSDINC1	19	0	2
GSDLEN	8		2
GSDLOCK	E0	0	2
GSDNODMP	E2	40	2
GSDNOLST	1B	10	2
GSDNOREC	E2	8	2
GSDNORM	E3	0	2
GSDNXT1	1C	0	2
GSDPSW	D4	0	2
GSDRC	E3	0	2
GSDRCVLB	108	4040	2
GSDRCVLD	1B	80	2
GSDRCVMD	100	4040	2
GSDREL	4	F2F0	2
GSDREST	E2	10	2
GSDRSD01	E8	0	2
GSDRSD02	EC	0	2
GSDRSD03	F0	0	2
GSDRTM	E2	20	2
GSDR13	50	0	2
GSDSIZE	1F4	1F4	2
GSDSTRAD	F4	0	2
GSDSUBSV	28	0	2
GSDSVDMP	1B	40	2
GSDSYNC	1B	20	2
GSDTCB	E4	0	2
GSDTIME	10	0	2
GSDTMDT	10		2
GSDTVT	4C	0	2
GSDTWA	128		2
GSDURSV1	A		2
TWACBID	0	E3E6	2
TWAEND	CC		2
TWAID	F	40	2
TWALEN	8		2
TWANAME	A	4040	2
TWAOFF	10		2
TWAREGS	2C		2
TWAREL	4	F2F0	2
TWARES	E	0	2
TWARES1	BC		2
TWARES2	C0		2
TWARES3	C4		2
TWARES4	C8		2
TWARETC	B8		2
TWAR00	2C		2
TWAR01	30		2
TWAR02	34		2
TWAR03	38		2
TWAR04	3C		2
TWAR05	40		2
TWAR06	44		2
TWAR07	48		2
TWAR08	4C		2

```
TWAR09                  50          2
TWAR10                  54          2
TWAR11                  58          2
TWAR12                  5C          2
TWAR13                  60          2
TWAR14                  64          2
TWAR15                  68          2
TWASAVE                 6C          2
TWASIZE                 CC      CC  2
TWASTCK                 B0      0   2
TWATW                   14          2
TWATWEND                2C          2
TWATWL                  CC      18  2
TWATW1                  14          2
TWATW2                  18          2
TWATW3                  1C          2
TWATW4                  20          2
TWATW5                  24          2
TWATW6                  28          2
TWAWORK                 A           2
TWAWORKL                CC      C2  2
```

Chapter 5. Initialization Data CSECT — INT

The INT is a work area that contains addresses of the macros that reside in BDTINRN. Used by initialization modules, these macros perform such basic services as parsing, scanning, character conversion, and spool reading and writing.

Function:	The INT defines the data areas used by the initialization modules. It contains the entry points for error processing and produces error messages.
Macro ID:	BDTDINT
DSECT name:	BDTSTART
Created by:	BDTINDT
Size:	Hex F07 bytes
Location:	Subpool 251

```
OFFSETS      TYPE        LENGTH    NAME         DESCRIPTION

      GENERATE BDT INITIALIZATION DATA AREA
0     (0)               8         INTPKARA     ZONED TO PACKED DIGITS AREA

             ....  .1..           INTCNANS       CONVERSION RESULT

8     (8)    FIXED       4         INTOBSA      OS BSAM SAVE AREA

      NOTE - ABOVE 3 STATEMENTS MUST BE FIRST
72    (48)   CHARACTER   4         INTHDR       CONTROL BLOCK ACRONYM
76    (4C)   CHARACTER   4         INTREL       VERSION RELEASE ID
80    (50)   ADDRESS     2         INTLNGTH     CONTROL BLOCK LENGTH
82    (52)   FIXED       2         INTRSVDZ     RESERVED

             ....  1....           INTMNJMX       "8" MAX NO. OF BDT MAINS
                                                  ALLOWED

84    (54)   CHARACTER   8         INTGLBNM     NAME OF GLOBAL PROCESSOR
92    (5C)   CHARACTER   8         INTOGLBL     IF IN DSI, NAME OF EX GLOBAL
100   (64)   CHARACTER   8         INTMNNAM     BDT NAME OF THIS PROCESSOR
108   (6C)   ADDRESS     4         INTBSES      SAVED BASES, FOR INIC,CD,RN
116   (74)   ADDRESS     4         INTBAS3      THIRD BASE FOR INCD
120   (78)   ADDRESS     4         INTRTN       R14 RETURN POINT TO BDTINIT
124   (7C)   ADDRESS     4         INTSVBS      REG SAVE AREA FOR BDTINRN
128   (80)   ADDRESS     4         INTACDRD     ADDRESS TO RETURN TO READ
                                                  STMTS
132   (84)   ADDRESS     4         INTERTN      STMT SCAN ERROR RETURN
                                                  ADDRESS
136   (88)   ADDRESS     4         INTCKARE     INITCHK DATA AREA
140   (8C)   ADDRESS     4         INTINECB     INIT COMPLETION WAIT ECB

      ENTRY POINT ADDRESSES
144   (90)   ADDRESS     4         INTIIADR     ADDR BDTINII ENTRY POINT
148   (94)   ADDRESS     4         INTMDADR     ADDR BDTINMD ENTRY POINT
152   (98)   ADDRESS     4         INTPKADR     ADDR BDTINPK ENTRY POINT
156   (9C)   ADDRESS     4         INTCTADR     ADDR BDTINCT ENTRY POINT
160   (A0)   ADDRESS     4         INTINR2      ADDR BDTINR1/BDTINR2 EP

      ECB FOR POSTING BDTINTK
164   (A4)   ADDRESS     4         INTUXECB     ECB FOR POSTING BDTINTK TO
                                                  CALL USER EXIT 01
168   (A8)   ADDRESS     4         INTRSVD2     RESERVED
172   (AC)   ADDRESS     4         INTIOPRM     BASE OF TRACK/FORMAT STMT
                                                  TABLE
176   (B0)   ADDRESS     4         INTNBDTK     NEXT BAD TRACK TABLE ENTRY
180   (B4)   ADDRESS     4         INTTBUF      BUFFER FOR TABLE DDBS
184   (B8)   ADDRESS     4         INTUXLAD     ADDRESS OF USER EXIT
188   (BC)   FIXED       4         INTRSVD3     RESERVED
204   (CC)   FIXED       4         INTRSVU1     RESERVED
```

```
212   (D4)   FIXED       2         INTMXBTS     MAX BAD TRK ENTRIES (1 PAGE)
214   (D6)   FIXED       2         INTMAXQS     MAX BDT QUEUE PACKS

      SNA - BDT COMMDEFN DATA AREA
216   (D8)   CHARACTER   8         INTSTCTB     DEFAULT CTE/CTAB NAME
224   (E0)   ADDRESS     4         INTSTPTR     GETMAIN CORE FOR CB'S
228   (E4)   ADDRESS     4         INTINPTR     STARTING COLUMN FOR SCAN
232   (E8)   FIXED       2         INTPAREN     COUNT UNCLOSED PARENTHESES
234   (EA)   FIXED       2         INTLOPER     LENGTH OF OPERAND
236   (EC)   CHARACTER   16        INTSPARM     PARAMETER WORK STORAGE
252   (FC)   CHARACTER   16        INTSOPER     OPERAND WORD STORAGE
268   (10C)  ADDRESS     2         INTTEXT      OUTPUT AREA
280   (118)  CHARACTER   80        INTINARE     INIT CONTROL STMT BUFFER
280   (118)                       INTINA72     CONTINUE' COLUMN
360   (168)  FIXED       4         INTRSVDD     RESERVED
380   (17C)  FIXED       4         INTRSVU9     RESERVED
380   (17C)                       INTINEND     END OF THIS SECTION

      ADDRESSES OF SUBROUTINES IN BDTINRN - SEQ DEPEND LIST
388   (184)  ADDRESS     4         INTICRD      ROUTINE 'CARDREAD' INIT
                                                  CONTROL STMT READ ROUTINE
392   (188)  ADDRESS     4         INTICRD2     ROUTINE 'CARDRD2' SECOND
                                                  ENTRY TO CARDREAD
396   (18C)  ADDRESS     4         INTCNBIN     ROUTINE 'CONVERT' DECIMAL TO
                                                  BINARY CONVERT ROUTINE
400   (190)  ADDRESS     4         INTRSVD4     RESERVED
404   (194)  ADDRESS     4         INTMWLE      ROUTINE 'INITEMEN' ROUTINE TO
                                                  FILL IN THE VARIABLE PART
                                                  OF MESSAGES
408   (198)  ADDRESS     4         INTISCN1     ROUTINE 'SCAN1' CONTROL
                                                  STATEMENT SCAN ROUTINE
412   (19C)  ADDRESS     4         INTISCN2     ROUTINE 'SCAN2' MULTIPLE
                                                  OPERAND ENTRY SCAN ROUTINE
416   (1A0)  ADDRESS     4         INTITRD      ROUTINE 'TREAD' INTERMEDIATE
                                                  SPOOL RECORD READ ROUTINE
420   (1A4)  ADDRESS     4         INTITWRT     ROUTINE 'TWRITE' INTERMEDIATE
                                                  SPOOL RECORD WRITE ROUTINE
424   (1A8)  ADDRESS     4         INTIWOUT     ROUTINE 'WBDTOUT' ROUTINE TO
                                                  WRITE ERROR MSGS TO PRINT
428   (1AC)  ADDRESS     4         INTIEOF2     ROUTINE 'INEOF2' ROUTINE FOR
                                                  END OF FILE FOR BDTIN
432   (1B0)  ADDRESS     4         INTNOGMN     ROUTINE 'NOMAIN' BDTXGTMN
                                                  FAILURE IN INITIALIZATION
                                                  ROUTINE
436   (1B4)  ADDRESS     4         INTINRN      RESERVED
448   (1C0)  ADDRESS     4         INTRSVDC     RESERVED
460   (1CC)  ADDRESS     4         INTRSVU8     RESERVED

      TITLE ERROR HANDLING OF INITIALIZATION ERRORS
464   (1D0)  CODE        396       INTEBKW

      TITLE SNA - BDT MESSAGE ROUTINES FOR RELEASE 2
860   (35C)  CHARACTER   9         MSGCD9I
869   (365)  CHARACTER   9         MSGR17I

      TITLE MESSAGES USED BY THE INITIALIZATION MODULES
878   (36E)  ADDRESS     2         INTEBLKL     ASA + MIN TAPE REC
878   (36E)                       INTEBLKE
906   (38A)  ADDRESS     2         INGL3053
942   (3AE)  CHARACTER   8         INGL53NM
942   (3AE)                       IGL53E
950   (3B6)  ADDRESS     2         INGL3042
983   (3D7)  CHARACTER   28
983   (3D7)                       INGL42E
1012  (3F4)  ADDRESS     2         INGL3048
1029  (405)  CHARACTER   36
1029  (405)                       INGL48E
1066  (42A)  ADDRESS     2         INTEPRND
1102  (44E)  CHARACTER   2
1104  (450)  CHARACTER   11        INTEILDP
1104  (450)                       INTEPDEN
1116  (45C)  ADDRESS     2         INTECOMB
1133  (46D)  CHARACTER   39
1133  (46D)                       INTECEN1
1172  (494)  ADDRESS     2         INTECARD
1189  (4A5)  CHARACTER   8         INTECSPR
1198  (4AE)  CHARACTER   8         INTECSOP
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1198  (4AE)                          INTECEND
1232  (4D0)  ADDRESS     2           INTEBDCD
1262  (4EE)  CHARACTER   11          INTEBDKW
1262  (4EE)                          INTEBDCE
1274  (4FA)  ADDRESS     2           INTEORKY
1300  (514)  CHARACTER   11          INTEOKEY
1300  (514)                          INTEOEND
1328  (530)  ADDRESS     2           INTESOPR
1354  (54A)  CHARACTER   11          INTESOP1
1365  (555)  CHARACTER   17          INTESOP2
1382  (566)  CHARACTER   8           INTEBDPA
1382  (566)                          INTEBDSN
1392  (570)  ADDRESS     2           INTETBIG
1410  (582)  CHARACTER   15          INTETBPR
1410  (582)                          INTETBEN
1462  (5B6)  ADDRESS     2           INTEMPR1
1479  (5C7)  CHARACTER   5           INTEMPR2
1484  (5CC)  CHARACTER   27                      OR 'LEFT'
1511  (5E7)  CHARACTER   11          INTEMPRM
1511  (5E7)                          INTEMPEN
1524  (5F4)  ADDRESS     2           INTEREQP
1559  (617)  CHARACTER   11          INTEREKW
1572  (624)  CHARACTER   7
1572  (624)                          INTERPEN
1580  (62C)  ADDRESS     2           INTERPKY
1597  (63D)  CHARACTER   32
1629  (65D)  CHARACTER   11          INTEREQK
1629  (65D)                          INTERKEN
1650  (672)  ADDRESS     2           INTECOTC
1667  (683)  CHARACTER   31
1667  (683)                          INTECOEN
1698  (6A2)  ADDRESS     2           INTEILKY
1728  (6C0)  CHARACTER   11          INTEIKYW
1728  (6C0)                          INTEIKEN
1752  (6D8)  ADDRESS     2           INTEIBLK
1769  (6E9)  CHARACTER   37
1769  (6E9)                          INTEIBEN
1806  (70E)  ADDRESS     2           INTEMSCM
1823  (71F)  CHARACTER   53          INTEMSC2
1830  (726)  CHARACTER   26                      OR 'MISSING'
1830  (726)                          INTEMCEN
1856  (740)  ADDRESS     2           INTEICHR
1873  (751)  CHARACTER   37
1873  (751)                          INTEICEN
1910  (776)  ADDRESS     2           INTECMDF
1927  (787)  CHARACTER   35
1927  (787)                          INTECMEN
1962  (7AA)  ADDRESS     2           INTENSNA
1979  (7BB)  CHARACTER   3
1982  (7BE)  CHARACTER   8           INTENNM
1990  (7C6)  CHARACTER   22
1990  (7C6)                          INTENSEN
2012  (7DC)  ADDRESS     2           INTEDTCT
2029  (7ED)  CHARACTER   10
2039  (7F7)  CHARACTER   7           INTEDST      STATEMENT TYPE
2046  (7FE)  CHARACTER   20
2046  (7FE)                          INTEDTEN
2066  (812)  ADDRESS     2           INTECCNP
2083  (823)  CHARACTER   9
2092  (82C)  CHARACTER   7           INTECST      STATEMENT TYPE
2099  (833)  CHARACTER   21
2099  (833)                          INTECCEN
2120  (848)  ADDRESS     2           INTECHSP
2137  (859)  CHARACTER   42
2179  (883)  CHARACTER   8           INTEBDNM
2179  (883)                          INTECSEN
2190  (88E)  ADDRESS     2           INTECTBN
2198  (896)  CHARACTER   9           INTECTNO
2207  (89F)  CHARACTER   8           INTESTMT
2215  (8A7)  CHARACTER   20
2235  (8BB)  CHARACTER   8           INTENODE
2243  (8C3)  CHARACTER   20
2243  (8C3)                          INTECBEN
2264  (8D8)  ADDRESS     2           INTETCHR
2281  (8E9)  CHARACTER   40
2321  (911)  CHARACTER   10
2321  (911)                          INTETCEN
2332  (91C)  ADDRESS     2           INTEIERR
2366  (93E)  CHARACTER   9
2375  (947)  CHARACTER   12          INTEIETB
2407  (967)  CHARACTER   10          INTEIEAC
2407  (967)                          INTEIEZ
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2417  (971)  CHARACTER   10        INTEIEDS
2427  (97B)  CHARACTER   10        INTEIEIN
2440  (988)  FIXED       4
2440  (988)  ADDRESS     2         INT3001B
2477  (9AD)  CHARACTER   24
2477  (9AD)                       INT001BE
2502  (9C6)  ADDRESS     2         INT3001C
2536  (9E8)  CHARACTER   20
2536  (9E8)                       INT001CE
2556  (9FC)  ADDRESS     2         INTEATCH
2590  (A1E)  CHARACTER   15
2590  (A1E)                       INTEATCE
2608  (A30)  FIXED       4         INTSAVE      INIT SAVE STARTING POINT
```

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      SPOOL ENTRIES
      INTXXXX BDTDSPL,PREFIX=INTXXX (SAMPLE ENTRY)
2608  (A30)  FIXED       4
2608  (A30)  ADDRESS     2         INTLCTID     INTERNAL TABLE ID
2610  (A32)  ADDRESS     2         INTLCTEL     ENTRY LENGTH
2612  (A34)  ADDRESS     4         INTLCTEA     ENTRY ADDRESS
2616  (A38)  ADDRESS     4         INTLCTSZ     TABLE SIZE
2620  (A3C)  BITSTRING   12        INTLCTDB     DDBRQ
2632  (A48)  ADDRESS     1                     DDBFXENO
2633  (A49)  BITSTRING   3                     DDBFXLEN
2636  (A4C)  BITSTRING   20                    DDBEX
2656  (A60)  ADDRESS     2         INTMNID      INTERNAL TABLE ID
2658  (A62)  ADDRESS     2         INTMNEL      ENTRY LENGTH
2660  (A64)  ADDRESS     4         INTMNEA      ENTRY ADDRESS
2664  (A68)  ADDRESS     4         INTMNSZ      TABLE SIZE
2668  (A6C)  BITSTRING   12        INTMNDB      DDBRQ
2680  (A78)  ADDRESS     1                     DDBFXENO
2681  (A79)  BITSTRING   3                     DDBFXLEN
2684  (A7C)  BITSTRING   20                    DDBEX
2704  (A90)  ADDRESS     2         INTBUFID     INTERNAL TABLE ID
2706  (A92)  ADDRESS     2         INTBUFEL     ENTRY LENGTH
2708  (A94)  ADDRESS     4         INTBUFEA     ENTRY ADDRESS
2712  (A98)  ADDRESS     4         INTBUFSZ     TABLE SIZE
2716  (A9C)  BITSTRING   12        INTBUFDB     DDBRQ
2728  (AA8)  ADDRESS     1                     DDBFXENO
2729  (AA9)  BITSTRING   3                     DDBFXLEN
2732  (AAC)  BITSTRING   20                    DDBEX
2752  (AC0)  ADDRESS     2         INTCTBID     INTERNAL TABLE ID
2754  (AC2)  ADDRESS     2         INTCTBEL     ENTRY LENGTH
2756  (AC4)  ADDRESS     4         INTCTBEA     ENTRY ADDRESS
2760  (AC8)  ADDRESS     4         INTCTBSZ     TABLE SIZE
2764  (ACC)  BITSTRING   12        INTCTBDB     DDBRQ
2776  (AD8)  ADDRESS     1                     DDBFXENO
2777  (AD9)  BITSTRING   3                     DDBFXLEN
2780  (ADC)  BITSTRING   20                    DDBEX
2800  (AF0)  ADDRESS     2         INTSRJID     INTERNAL TABLE ID
2802  (AF2)  ADDRESS     2         INTSRJEL     ENTRY LENGTH
2804  (AF4)  ADDRESS     4         INTSRJEA     ENTRY ADDRESS
2808  (AF8)  ADDRESS     4         INTSRJSZ     TABLE SIZE
2812  (AFC)  BITSTRING   12        INTSRJDB     DDBRQ
2824  (B08)  ADDRESS     1                     DDBFXENO
2825  (B09)  BITSTRING   3                     DDBFXLEN
2828  (B0C)  BITSTRING   20                    DDBEX
2848  (B20)  ADDRESS     2         INTYYYYY     INTERNAL TABLE ID
2850  (B22)  ADDRESS     2         INTYYYEL     ENTRY LENGTH
2852  (B24)  ADDRESS     4         INTYYYEA     ENTRY ADDRESS
2856  (B28)  ADDRESS     4         INTYYYSZ     TABLE SIZE
2860  (B2C)  BITSTRING   12        INTYYYDB     DDBRQ
2872  (B38)  ADDRESS     1                     DDBFXENO
2873  (B39)  BITSTRING   3                     DDBFXLEN
2876  (B3C)  BITSTRING   24                    DDBEX
2900  (B54)  ADDRESS     2         INTZZZZZ     INTERNAL TABLE ID
2902  (B56)  ADDRESS     2         INTZZZEL     ENTRY LENGTH
2904  (B58)  ADDRESS     4         INTZZZEA     ENTRY ADDRESS
2908  (B5C)  ADDRESS     4         INTZZZSZ     TABLE SIZE
2912  (B60)  BITSTRING   12        INTZZZDB     DDBRQ
2924  (B6C)  ADDRESS     1                     DDBFXENO
2925  (B6D)  BITSTRING   3                     DDBFXLEN
2928  (B70)  BITSTRING   24                    DDBEX
2952  (B88)  FIXED       4         INTRSVD5     RESERVED
2960  (B90)  FIXED       4         INTRSVU2     RESERVED
```

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      FLAG1 DEFINITION
2964  (B94)  BITSTRING   1          INTFLG1     FLAG BYTE

            1...  ....             INTFTERM       "BIT0" SET TO TERMINATE
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                                                AFTER INIT
           .1..  ....             INTPROB       "BIT1" PROBABLE DAMAGE,
                                                SYSTEM TERMINAT
           ..1.  ....             INTWARN       "BIT2" WARNING MSG, SYSTEM
                                                TERMINATES
           ...1  ....             INTIGCON      "BIT3" IGNORE NEXT STMT,
                                                LAST WAS CONTI
           ....  1...             INTPARM       "BIT4 PARAMETER ERROR IN
                                                MULTIPLE PARMS
           ....  .1..             INTEBUFF      "BIT5" RESERVED
           ....  ..1.             INTETRKF      "BIT6" ERROR ON
                                                TRACK/FORMAT STMT
           ....  ...1             INTBDTIO      "BIT7" JSAM INITIALIZED

     FLG2 DEFINITION
2965 (B95)  BITSTRING   1          INTFLG2     FLAG BYTE

           1...  ....             INTFORMT      "BIT0" FORMATTING OF QUEUES
                                                REQUIRED
           .1..  ....             INTHOME       "BIT1" BDTNODE/SYSID MATCH
                                                FOUND
           ..1.  ....             INTCPON       "BIT2" MAINPROC,CPUID=ONLY
                                                GIVEN
           ...1  ....             INTJBLS       "BIT3" SOME JOBS LOST
           ....  1...             INTJSMI       "BIT4" SYSMSG INTERCEPT
                                                FUNCTION WANTED
           ....  .1..             INTPCRD       "BIT5" BDTIN IS NOT A CARD
                                                RDR AND BDTINRN SHOULD NOT
                                                PRINT STMTS PROCESSED BY
                                                BDTINGL
           ....  ..1.             INTNJHO       "BIT6" NJENODE/SYSID MATCH
                                                FOUND
           ....  ...1             INTFL2R1      "BIT7" RESERVED

     MNFLG DEFINITION
2966 (B96)  BITSTRING   1          INTMNFLG    INITMAIN FLAGS

           1...  ....             INTMNONE      "BIT0" BDTINM1 HAS BEEN
                                                USED
           .1..  ....             INTMNDEF      "BIT1" GENERATE CLASS AND
                                                GROUP DEFAULT
           ..1.  ....             INTMNDCL      "BIT2" DEFAULT CLASS HAS
                                                BEEN DEFINED
           ...1  ....             INTMNDGR      "BIT3" DEFAULT GROUP HAS
                                                BEEN DEFINED
           ....  1...             INTMNBGR      "BIT4" BATCH INITBDTOR
                                                DEFAULT GROUP USE
           ....  .1..             INTMNACL      "BIT5" JOB BATCH CLASS
                                                DEFINED
           ....  ..1.             INTMNAGR      "BIT6" JOB BATCH GROUP
                                                DEFINED
           ....  ...1             INTMNDSL      "BIT7" DEFAULT SELECT MODE
                                                DEFINED

     SCFLG DEFINITION
2967 (B97)  BITSTRING   1          INTSCFLG    SCAN PARAMETERS FLAGS

           1...  ....             INTSCKWD      "BIT0" SCAN IS FOR KEYWORDS
           .1..  ....             INTSCKWF      "BIT1" KEYWORD FOUND IF ON
           ..1.  ....             INTSCLPA      "BIT2" LEFT PAREN FOUND
           ...1  ....             INTSCDUP      "BIT3" SCAN FOR ) WHEN
                                                DUPLICATE PARM
           ....  1...             INTSCMLP      "BIT4" MULTIPLE PARAMETER
                                                FLAG
           ....  .1..             INTSCBMK      "BIT5" BAD KEYWORD ON A
                                                MULTI KEYWORD
           ....  ..1.             INTSCTRM      "BIT6" SET TO TERMINATE
                                                SCAN
           ....  ...1             INTSCFG1      "BIT7" RESERVED

     SCFL1 DEFINITION
2968 (B98)  BITSTRING   1          INTSCFL1    FLAG FOR SCAN ROUTINE IN
                                                  INITRTNS

           1...  ....             INTS1NOT      "BIT0" CHARACTER / USED TO
                                                SIGNIFY 'NOT'
           .1..  ....             INTSCFR1      "BIT1" RESERVED
           ..1.  ....             INTSCFR2      "BIT2" RESERVED
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            ...1  ....             INTSCFR3       "BIT3" RESERVED
            ....  1...             INTSCFR4       "BIT4" RESERVED
            ....  .1..             INTSCFR5       "BIT5" RESERVED
            ....  ..1.             INTSCFR6       "BIT6" RESERVED
            ....  ...1             INTSCFR7       "BIT7" RESERVED

     RESERVED FIELDS
2969 (B99)  BITSTRING   1          INTRSVDB     RESERVED
2973 (B9D)  BITSTRING   1          INTRSVU7     RESERVED

     SNA SCAN FLAG SETTINGS
2975 (B9F)  BITSTRING   1          INTSCFL2     SNA BDT CONFIGURATION

           1...  ....            INTS2CMD       "BIT0" SYSID STATEMENT
                                                FOUND
            .1..  ....           INTS2SNA       "BIT1" BDTNODE SPECIFIED
            ..1.  ....           INTS2CTB       "BIT2" COMPACTION SPECIFIED
            ...1  ....           INTS2SYS       "BIT3" SYSID STMT PROCESSED
            ....  1...           INTS2NSN       "BIT4" NO SNA BDT SUPPORT
            ....  .1..           INTS2PH2       "BIT5" PHASE 2 STARTED FLAG
            ....  ..1.           INTS2CTD       "BIT6" DEFAULT CLASS CTAB
                                                SPECIFIED
            ....  ...1           INTS2RS1       "BIT7" RESERVED
            ....  ...1           SSNRECAB       "X'01'" RECURSIVE ABEND
                                                CARD PROCESS

2976 (BA0)  BITSTRING   1          INTCNDFL     CONSOLE DEVICE FLAG

     SUBPOOL INFORMATION
2977 (BA1)  BITSTRING   1          INTSNASP     SNA BUF SUBPOOL SUBPOOL ID

            ....  .1.1            INTSNAMX       "5" SNA BUF MAX SUBPOOL ID
            ....  ...1            INTSNACB       "1" SNA CNTL BLOCKS SUBPOOL
                                                ID

2978 (BA2)  BITSTRING   1          INTRSVD7     RESERVED
2981 (BA5)  BITSTRING   1          INTRSVU3     RESERVED

     REASON CODES
            ....  .1..             INTRC04        "4" REASON CODE 4
            ....  1...             INTRC08        "8" REASON CODE 8
            ....  11..             INTRC12        "12" REASON CODE 12
            ...1  ....             INTRC16        "16" REASON CODE 16
            ...1  .1..             INTRC20        "20" REASON CODE 20
            ...1  1...             INTRC24        "24" REASON CODE 24
            ...1  11..             INTRC28        "28" REASON CODE 28
            ..1.  ....             INTRC32        "32" REASON CODE 32
            ..1.  .1..             INTRC36        "36" REASON CODE 36
            ..1.  1...             INTRC40        "40" REASON CODE 40
            ..1.  11..             INTRC44        "44" REASON CODE 44
            ..11  ....             INTRC48        "48" REASON CODE 48

     WORK FIELDS AND DATA AREAS
2984 (BA8)  FIXED       4          INTTRDDB     JBTAT DDB USED BY
                                                   INITIALIZATION
2990 (BAE)  FIXED       2          INTNTBUF     NO. OF DDB BUFFERS
2992 (BB0)  FIXED       4          INTRSVD8     RESERVED
3004 (BBC)  FIXED       4          INTRSVU4     RESERVED
3008 (BC0)  ADDRESS     4          INTSTSRT     PRT TO INTERNAL MAIN DEVICE
                                                   TABL
3012 (BC4)  FIXED       2          INTSTCNT     NUMBER OF MAIN DEVICES
3014 (BC6)  FIXED       2          INTSTSIZ     LENGTH OF ENTRY (SET BY
                                                   INITMDS)
3016 (BC8)  FIXED       2          INTSTKYN     ONE SORT KEY (TWO IF
                                                   ADDRSORT=NO)
3018 (BCA)  FIXED       2          INTPKEY1     POSITION OF KEY 1
3020 (BCC)  FIXED       2          INTSTKYL     LENGTH OF KEY 1 (9 IF
                                                   ADDRSORT=NO)
3022 (BCE)  FIXED       2          INTPKEY2     POSITION OF KEY 2
3024 (BD0)  FIXED       2          INTLKEY2     LENGTH OF KEY 2
3026 (BD2)  FIXED       2          INTBDCNT     BAD TRACK STMT COUNT
3032 (BD8)  FIXED       2          INTNOENT     NUMBER OF ENTRIES
3034 (BDA)  FIXED       2          INTLNENT     LENGTH OF ENTRY
3036 (BDC)  FIXED       2          INTNOKEY     NUMBER OF KEYS
3038 (BDE)  FIXED       2          INTPOKEY     POSITION OF KEY
3040 (BE0)  FIXED       2          INTLNKEY     LENGTH OF KEY
3044 (BE4)  FIXED       4          INTRSVDE     RESERVED
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3056  (BF0)  FIXED       4         INTRSVUB     RESERVED
3060  (BF4)  FIXED       2         INTSTCNB     STANDARDS,CONSBUF=
3062  (BF6)  FIXED       2         INTBFSZC     BDT BUFR SIZE FROM BUFFER CD
3064  (BF8)  FIXED       2         INTBFPAG     BUFFER,PAGES=
3066  (BFA)  FIXED       2         INTNQMOD     NO. OF QUEUE MODULES
3068  (BFC)  FIXED       2         INTDLTCT     DLT ENTRY COUNT
3070  (BFE)  FIXED       2         INTDFDNO     DEFAULT NUMBER OF FD ENTRIES
3072  (C00)  FIXED       2         INTIOTLN     LENGTH OF BDTIO TABLE
3074  (C02)  FIXED       2         INTMNCNT     COUNT OF MAINPROC CONTROL
                                                   STMTS
3076  (C04)  FIXED       2         INTMNJCN     NO OF BDT MAINS DEFINED
3078  (C06)  FIXED       2         INTMXVLP     MAX VLU PACING WINDOW
3080  (C08)  FIXED       2         INTMXSIO     MAX SNA I/O BUFFER SIZE
3082  (C0A)  FIXED       2         INTMNSIO     MIN SNA I/O BUFFER SIZE
3084  (C0C)  FIXED       2         INTMXSVL     MAX VLUS PER SESSION
3086  (C0E)  FIXED       2         INTMNVLP     MIN VLU PACING WINDOW
3088  (C10)  FIXED       2         INTMNVLS     MINIMUM VLUS PER SESSION
3090  (C12)  FIXED       2         INTNXSYS     DEVICE STMT INDEX

      NUMBER AND COUNTS
3092  (C14)  FIXED       2         INTLNCNT     NUMBER OF LINES
3094  (C16)  FIXED       2         INTNJPTN     NUMBER OF NJP TERMINALS
3096  (C18)  FIXED       2         INTNDTST     NUMBER OF READER INTERPRETER
                                                   DSNAMES
3098  (C1A)  FIXED       2         INTPAFCT     COUNT OF PREALLOCATED FCT'S
3100  (C1C)  FIXED       2         INTPARQE     COUNT OF PREALLOCATED RQ'S
3102  (C1E)  FIXED       2         INTHWNMS     NUMBER OF HWSNAME ENTRIESS
3104  (C20)  FIXED       2         INTPRNMS     NUMBER OF PROCEDURE NAMESS
                                                   (R/I)
3106  (C22)  FIXED       2         INTPRCNT     NUMBER OF R/I PARM LISTS S

      COUNTS
3108  (C24)  FIXED       2         INTRJCNT     COUNT OF SNALINE STMTS FOUND
3110  (C26)  FIXED       2         INTBCCNT     COUNT OF BDTNODE STMTS FOUND
3112  (C28)  FIXED       2         INTSLCNT     COUNT OF SELECT CONTROL STMTS
3114  (C2A)  FIXED       2         INTSNCNT     COUNT OF SETNAMES STMTS NAMES
3116  (C2C)  FIXED       2         INTLRTDO     NO OF LINE RECORDS TO PROCESS
3118  (C2E)  FIXED       2         INTNRTDO     NO OF NODE RECORDS TO PROCESS
3120  (C30)  CHARACTER   8         INTACDEF     APPLID/COMMDEFN STMT
3128  (C38)  CHARACTER   8         INTPSCDC     PASSWD/COMMDEFN STMT
3136  (C40)  FIXED       4         INTMXNSE     MAX. NO. OF SESSIONS
3140  (C44)  FIXED       4         INTRSVDF     RESERVED
3156  (C54)  FIXED       4         INTRSVUA     RESERVED

      SNA BDT COUNTS
3164  (C5C)  FIXED       2         INTNOWST     NO. OF WORKSTATIONS
3166  (C5E)  FIXED       2         INTCNTDV     NO. OF DEVS PER WORKSTATION
3168  (C60)  FIXED       2         INTCNTCT     NO. OF CTAB'S SPECIFIED
3170  (C62)  FIXED       2         INTCNTCH     NO. OF CHARS SPECIFIED
3172  (C64)  FIXED       2         INTJCTSZ     JCT MAXIMUM SIZE
3174  (C66)  FIXED       2         INTRSVD9     RESERVED
3184  (C70)  FIXED       2         INTRSVU5     RESERVED
3192  (C78)  FIXED       4         INTMNLS      CL8,A NAME,LCTUN LNG FOR
                                                   GLBLS

      TABLE OF N= (NODE NAME) PARMS FROM BDTNODE STMTS
3288  (CD8)  FIXED       4         INTTNT1      FIRST ENTRY
3292  (CDC)  FIXED       4         INTTNT1C     CURRENT ENTRY
3296  (CE0)  FIXED       4         INTTNT1E     LAST NODE TABLE ENTRY

      TABLE OF NODE= (NODE NAME) PARMS FROM SNALINE STMTS
3300  (CE4)  FIXED       4         INTTNT2      FIRST ENTRY
3304  (CE8)  FIXED       4         INTTNT2C     CURRENT ENTRY
3308  (CEC)  FIXED       4         INTTNT2E     LAST NODE TABLE ENTRY
3312  (CF0)  ADDRESS     2         INTTNTLN     NODE TABLE ENTRY LENGTH
3314  (CF2)  ADDRESS     2         INTTNTL2     LINE TABLE ENTRY LENGTH
3316  (CF4)  ADDRESS     2         INTTNTL3     DELETE TABLE ENTRY LENGTH
3318  (CF6)  FIXED       2         INTTNTNM     NODE TABLE NUMBER OF ENTRIES

      TABLE OF N= (NODE NAME) PARMS FOR DELETE LIST
3320  (CF8)  FIXED       4         INTTNT3      FIRST ENTRY
3324  (CFC)  FIXED       4         INTTNT3C     CURRENT ENTRY
3328  (D00)  FIXED       4         INTTNT3E     LAST DELETE TABLE ENTRY
```

```
      SPOOL ENTRIES FOR BDTNODE AND SNALINE STMTS
3332  (D04)  FIXED       4                     ALIGN
```

```
  INTRJLID BDTDSPL EXTENTS=30,PREFIX=INTRJT MAX 853 BDTNODE STMTS
3332  (D04)  ADDRESS     2         INTRJTID     INTERNAL TABLE ID
3334  (D06)  ADDRESS     2         INTRJTEL     ENTRY LENGTH
3336  (D08)  ADDRESS     4         INTRJTEA     ENTRY ADDRESS
3340  (D0C)  ADDRESS     4         INTRJTSZ     TABLE SIZE
3344  (D10)  BITSTRING   12        INTRJTDB     DDBRQ
3356  (D1C)  ADDRESS     1                     DDBFXENO
3357  (D1D)  BITSTRING   3                     DDBFXLEN
3360  (D20)  BITSTRING   1                     DDBEX
```

```
  INTRJLID BDTDSPL EXTENTS=24,PREFIX=INTRJL MAX 877 SNALINE STMTS
3480  (D98)  ADDRESS     2         INTRJLID     INTERNAL TABLE ID
3482  (D9A)  ADDRESS     2         INTRJLEL     ENTRY LENGTH
3484  (D9C)  ADDRESS     4         INTRJLEA     ENTRY ADDRESS
3488  (DA0)  ADDRESS     4         INTRJLSZ     TABLE SIZE
3492  (DA4)  BITSTRING   12        INTRJLDB     DDBRQ
3504  (DB0)  ADDRESS     1                     DDBFXENO
3505  (DB1)  BITSTRING   3                     DDBFXLEN
3508  (DB4)  BITSTRING   1                     DDBXEX
```

```
  INTRJDID BDTDSPL EXTENTS=6,PREFIX=INTRJD MAX DELETE NAMES
3604  (E14)  ADDRESS     2         INTRJDID     INTERNAL TABLE ID
3606  (E16)  ADDRESS     2         INTRJDEL     ENTRY LENGTH
3608  (E18)  ADDRESS     4         INTRJDEA     ENTRY ADDRESS
3612  (E1C)  ADDRESS     4         INTRJDSZ     TABLE SIZE
3616  (E20)  BITSTRING   12        INTRJDDB     DDBRQ
3628  (E2C)  ADDRESS     1                     DDBFXENO
3629  (E2D)  BITSTRING   3                     DDBFXLEN
3632  (E30)  BITSTRING   24                    DDBEX
3656  (E48)              8         INTDTEND     PAD TO DOUBLE WORD
```

```
      DCB'S
      DCB DDNAME=BDTIN,DSORG=PS,MACRF=(GM),RECFM=FB,
          BUFNO=2,LRECL=80
      DATA CONTROL BLOCK
3656  (E48)  FIXED       4         INTBDTIN     ORIGIN ON WORD BOUNDARY
                                                  DIRECT ACCESS DEVICE
                                                  INTERFACE
3656  (E48)  BITSTRING   16                    FDAD,DVTBL
3672  (E58)  ADDRESS     4                     KEYLE,DEVT,TRBAL COMMON ACCESS
                                                 METHOD INTERFACE
3676  (E5C)  ADDRESS     1                     BUFNO
3677  (E5D)  ADDRESS     3                     BUFCB
3680  (E60)  ADDRESS     2                     BUFL
3682  (E62)  BITSTRING   2                     DSORG
3684  (E64)  ADDRESS     4                     IOBAD FOUNDATION EXTENSION
3688  (E68)  BITSTRING   1                     BFTEK,BFLN,HIARCHY
3689  (E69)  ADDRESS     3                     EODAD
3692  (E6C)  BITSTRING   1                     RECFM
3693  (E6D)  ADDRESS     3                     EXLST FOUNDATION BLOCK
3696  (E70)  CHARACTER   8                     DDNAME
3704  (E78)  BITSTRING   1                     OFLGS
3705  (E79)  BITSTRING   1                     IFLG
3706  (E7A)  BITSTRING   2                     MACR BSAM BPAM QSAM INTERFACE
3708  (E7C)  BITSTRING   1                     RER1
3709  (E7D)  ADDRESS     3                     CHECK, GERR, PERR
3712  (E80)  ADDRESS     4                     SYNAD
3716  (E84)  FIXED       2                     CIND1, CIND2
3718  (E86)  ADDRESS     2                     BLKSIZE
3720  (E88)  FIXED       4                     WCPO, WCPL, OFFSR, OFFSW
3724  (E8C)  ADDRESS     4                     IOBA
3728  (E90)  ADDRESS     1                     NCP
3729  (E91)  ADDRESS     3                     EOBR, EOBAD QSAM INTERFACE
3732  (E94)  ADDRESS     4                     RECAD
3736  (E98)  FIXED       2                     QSWS
3738  (E9A)  ADDRESS     2                     LRECL
3740  (E9C)  BITSTRING   1                     EROPT
3741  (E9D)  ADDRESS     3                     CNTRL
3744  (EA0)  FIXED       4                     PRECL
3748  (EA4)  ADDRESS     4                     EOB
```

```
      DCB DDNAME=BDTOUT,DEVD=DA,DSORG=PS,MACRF=(W),RECFM=VBA,
          LRECL=125,BLKSIZE=129,SYNAD=INTBR14
```

```
      DATA CONTROL BLOCK
3752  (EA8)  FIXED       4         INTDCBPR     ORIGIN ON WORD BOUNDARY
                                                  DIRECT ACCESS DEVICE
                                                  INTERFACE
3752  (EA8)  BITSTRING   16                     FDAD,DVTBL
3768  (EB8)  ADDRESS     4                      KEYLE,DEVT,TRBAL COMMON ACCESS
                                                  METHOD INTERFACE
3772  (EBC)  ADDRESS     1                      BUFNO
3773  (EBD)  ADDRESS     3                      BUFCB
3776  (EC0)  ADDRESS     2                      BUFL
3778  (EC2)  BITSTRING   2                      DSORG
3780  (EC4)  ADDRESS     4                      IOBAD FOUNDATION EXTENSION
3784  (EC8)  BITSTRING   1                      BFTEK,BFLN,HIARCHY
3785  (EC9)  ADDRESS     3                      EODAD
3788  (ECC)  BITSTRING   1                      RECFM
3789  (ECD)  ADDRESS     3                      EXLST FOUNDATION BLOCK
3792  (ED0)  CHARACTER   8                      DDNAME
3800  (ED8)  BITSTRING   1                      OFLGS
3801  (ED9)  BITSTRING   1                      IFLG
3802  (EDA)  BITSTRING   2                      MACR BSAM BPAM QSAM INTERFACE
3804  (EDC)  BITSTRING   1                      RER1
3805  (EDD)  ADDRESS     3                      CHECK, GERR, PERR
3808  (EE0)  ADDRESS     4                      SYNAD
3812  (EE4)  FIXED       2                      CIND1, CIND2
3814  (EE6)  ADDRESS     2                      BLKSIZE
3816  (EE8)  FIXED       4                      WCPO, WCPL, OFFSR, OFFSW
3820  (EEC)  ADDRESS     4                      IOBA
3824  (EF0)  ADDRESS     1                      NCP
3825  (EF1)  ADDRESS     3                      EOBR, EOBAD BSAM BPAM
                                                    INTERFACE
3828  (EF4)  ADDRESS     4                      EOBW
3832  (EF8)  FIXED       2                      DIRCT
3834  (EFA)  ADDRESS     2                      LRECL
3836  (EFC)  ADDRESS     4                      CNTRL, NOTE, POINT
```

```
      GLOBALS LIST FORMAT - FOR LCTUNITS BUILD
0     (0)    CHARACTER   8         INTGBNM      NAME OF MAIN PROCESSOR
8     (8)    FIXED       4         INTGBSZ      LCTUNITS SIZE FOR THIS CPU

             ....  1...           INTGBFLG       "INTGBSZ,1,C'X'" FLAGS
             1...  ....           INTGBTAG       "BIT0" MULTI USE FLAG

12    (C)    FIXED       4         INTGRVDA     RESERVED
24    (18)   FIXED       4         INTGRVU6     RESERVED
28    (1C)   BITSTRING   1         INTGBEND     END OF DESCRIBED AREA
```

```
      DSECTS FOR NODE TABLE ENTRIES AND LINE TABLE ENTRIES
      AND FOR DELETE TABLE ENTRIES
0     (0)    CHARACTER   8         INNODNAM     NODE NAME
8     (8)    BITSTRING   1         INNODFLG     NODE ENTRY FLAG

             ....  1..1           INNODEND       "*" END OF NODE TABLE ENTRY
             ....  ...1           INNODNJE       "1" CONSTANT TO INDICATE
                                                 NJE NODE

0     (0)    CHARACTER   8         INLINNAM     LINE ENTRY NAME
8     (8)    BITSTRING   1         INLINFLG     LINE ENTRY FLAG

             ....  1..1           INLINEND       "*" END OF LINE TABLE ENTRY
             ....  ...1           INMATCH        "1" CONSTANT TO INDICATE
                                                 MATCH
             ....  1...           INLINNDC      "8" CONSTANT TO INDICATE LN
                                                FM NODE

0     (0)    CHARACTER   8         INDELNAM     NODE NAME TO DELETE

             ....  1...           INDELEND       "*" END OF DELETE TABLE
                                                 ENTRY
```

```
                          CROSS REFERENCE
                           HEX     HEX
NAME                       OFFSET  VALUE  LEVEL

IGL53E                     3AE     3B6    2
INDELEND                   0       8      2
INDELNAM                   0              2
INGL3042                   3B6     3D     2
INGL3048                   3F4     35     2
INGL3053                   38A     2C     2
```

```
INGL42E                 3D7     3F3     2
INGL48E                 405     429     2
INGL53NM                3AE     4040    2
INLINEND                8       9       2
INLINFLG                8               2
INLINNAM                0               2
INLINNDC                8       8       2
INMATCH                 8       1       2
INNODEND                8       9       2
INNODFLG                8               2
INNODNAM                0               2
INNODNJE                8       1       2
INTACDEF                C30     C2C4    2
INTACDRD                80              2
INTBAS3                 74              2
INTBCCNT                C26     0       2
INTBDCNT                BD2     0       2
INTBDTIN                E48             2
INTBDTIO                B94     1       2
INTBFPAG                BF8     40      2
INTBFSZC                BF6     4E0     2
INTBSES                 6C              2
INTBTBLA                BD4             2
INTBUFDB                A9C     0       2
INTBUFEA                A94             2
INTBUFEL                A92             2
INTBUFID                A90             2
INTBUFSZ                A98             2
INTCKARE                88              2
INTCNANS                0       4       2
INTCNBIN                18C             2
INTCNDFL                BA0     0       2
INTCNTCH                C62     0       2
INTCNTCT                C60     0       2
INTCNTDV                C5E     0       2
INTCPON                 B95     20      2
INTCTADR                9C              2
INTCTBDB                ACC     0       2
INTCTBEA                AC4             2
INTCTBEL                AC2             2
INTCTBID                AC0             2
INTCTBSZ                AC8             2
INTDCBPR                EA8             2
INTDFDNO                BFE     80      2
INTDLTCT                BFC     0       2
INTDTEND                E48             2
INTEATCE                A1E     A2D     2
INTEATCH                9FC     31      2
INTEBDCD                4D0     2A      2
INTEBDCE                4DD     4FA     2
INTEBDKW                4EE     4040    2
INTEBDNM                883     4040    2
INTEBDPA                566     4040    2
INTEBDSN                566     570     2
INTEBKW                 1D0             2
INTEBLKE                36E     38A     2
INTEBLKL                36E     1C      2
INTEBUFF                B94     4       2
INTECARD                494     3C      2
INTECBEN                8C3     8D7     2
INTECCEN                833     848     2
INTECCNP                812     36      2
INTECEND                4AE     4D0     2
INTECEN1                46D     494     2
INTECHSP                848     45      2
INTECMDF                776     34      2
INTECMEN                787     7AA     2
INTECOEN                683     6A2     2
INTECOMB                45C     38      2
INTECOTC                672     30      2
INTECSEN                883     88D     2
INTECSOP                4AE     4040    2
INTECSPR                4A5     4040    2
INTECST                 82C     4040    2
INTECTBN                88E     49      2
INTECTNO                896     4040    2
INTEDST                 7F7     4040    2
INTEDTCT                7DC     36      2
INTEDTEN                7FE     812     2
INTEIBEN                6E9     70E     2
INTEIBLK                6D8     36      2
INTEICEN                751     776     2
```

INTEICHR	740	36	2
INTEIEAC	967	4040	2
INTEIEDS	971	C4C9	2
INTEIEIN	97B	C9D5	2
INTEIERR	91C	55	2
INTEIETB	947	4040	2
INTEIEZ	967	971	2
INTEIKEN	6C0	6D8	2
INTEIKYW	6C0	4040	2
INTEILDP	450	4040	2
INTEILKY	6A2	36	2
INTEMCEN	726	740	2
INTEMPEN	5E7	5F3	2
INTEMPRM	5E7	4040	2
INTEMPR1	5B6	3D	2
INTEMPR2	5C7	D9C9	2
INTEMSCM	70E	32	2
INTEMSC2	71F	C9D3	2
INTENNM	7BE	4040	2
INTENODE	8BB	4040	2
INTENSEN	7C6	7DC	2
INTENSNA	7AA	32	2
INTEOEND	514	530	2
INTEOKEY	514	4040	2
INTEORKY	4FA	36	2
INTEPDEN	450	45C	2
INTEPRND	42A	32	2
INTEREKW	617	4040	2
INTEREQK	65D	4040	2
INTEREQP	5F4	37	2
INTERKEN	65D	672	2
INTERPEN	624	62B	2
INTERPKY	62C	46	2
INTERTN	84		2
INTESOPR	530	40	2
INTESOP1	54A	4040	2
INTESOP2	555	5D40	2
INTESTMT	89F	4040	2
INTETBEN	582	5B6	2
INTETBIG	570	46	2
INTETBPR	582	4040	2
INTETCEN	911	91B	2
INTETCHR	8D8	43	2
INTETRKF	B94	2	2
INTFLG1	B94	0	2
INTFLG2	B95	0	2
INTFL2R1	B95	1	2
INTFORMT	B95	80	2
INTFTERM	B94	80	2
INTGBEND	1C		2
INTGBFLG	8	8	2
INTGBNM	0		2
INTGBSZ	8		2
INTGBTAG	8	80	2
INTGLBNM	54	4040	2
INTGRVDA	C	0	2
INTGRVU6	18	0	2
INTHDR	48	C9D5	2
INTHOME	B95	40	2
INTHWNMS	C1E	0	2
INTICRD	184		2
INTICRD2	188		2
INTIEOF2	1AC		2
INTIGCON	B94	10	2
INTIIADR	90		2
INTINARE	118	4040	2
INTINA72	118	15F	2
INTINECB	8C		2
INTINEND	17C	184	2
INTINPTR	E4		2
INTINRN	1B4		2
INTINR2	A0		2
INTIOPRM	AC		2
INTIOTLN	C00	0	2
INTISCN1	198		2
INTISCN2	19C		2
INTITRD	1A0		2
INTITWRT	1A4		2
INTIWOUT	1A8		2
INTJBLS	B95	10	2
INTJCTSZ	C64	0	2
INTJSMI	B95	8	2

```
INTLCTDB                A3C     0       2
INTLCTEA                A34             2
INTLCTEL                A32             2
INTLCTID                A30             2
INTLCTSZ                A38             2
INTLKEY2                BD0     2       2
INTLNCNT                C14     0       2
INTLNENT                BDA     C       2
INTLNGTH                50      E48     2
INTLNKEY                BE0     C       2
INTLOPER                EA      0       2
INTLRTDO                C2C     0       2
INTMAXQS                D6      1F      2
INTMDADR                94              2
INTMNACL                B96     4       2
INTMNAGR                B96     2       2
INTMNBGR                B96     8       2
INTMNCNT                C02     0       2
INTMNDB                 A6C     0       2
INTMNDCL                B96     20      2
INTMNDEF                B96     40      2
INTMNDGR                B96     10      2
INTMNDSL                B96     1       2
INTMNEA                 A64             2
INTMNEL                 A62             2
INTMNFLG                B96     0       2
INTMNID                 A60             2
INTMNJCN                C04     0       2
INTMNJMX                52      8       2
INTMNLS                 C78     0       2
INTMNNAM                64      4040    2
INTMNONE                B96     80      2
INTMNSIO                C0A     12C     2
INTMNSZ                 A68             2
INTMNVLP                C0E     1       2
INTMNVLS                C10     1       2
INTMWLE                 194             2
INTMXBTS                D4      154     2
INTMXNSE                C40     0       2
INTMXSIO                C08     1000    2
INTMXSVL                C0C     FF      2
INTMXVLP                C06     FF      2
INTNBDTK                B0              2
INTNDTST                C18     0       2
INTNJHO                 B95     2       2
INTNJPTN                C16     0       2
INTNOENT                BD8     0       2
INTNOGMN                1B0             2
INTNOKEY                BDC     1       2
INTNOWST                C5C     0       2
INTNQMOD                BFA     0       2
INTNRTDO                C2E     0       2
INTNTBUF                BAE     0       2
INTNXSYS                C12     1       2
INTOBSA                 8       0       2
INTOGLBL                5C      4040    2
INTPAFCT                C1A     0       2
INTPAREN                E8      0       2
INTPARM                 B94     8       2
INTPARQE                C1C     0       2
INTPCRD                 B95     4       2
INTPKADR                98              2
INTPKARA                0       0       2
INTPKEY1                BCA     1       2
INTPKEY2                BCE     D       2
INTPOKEY                BDE     1       2
INTPRCNT                C22     0       2
INTPRNMS                C20     0       2
INTPROB                 B94     40      2
INTPSCDC                C38     4040    2
INTRC04                 BA5     4       2
INTRC08                 BA5     8       2
INTRC12                 BA5     C       2
INTRC16                 BA5     10      2
INTRC20                 BA5     14      2
INTRC24                 BA5     18      2
INTRC28                 BA5     1C      2
INTRC32                 BA5     20      2
INTRC36                 BA5     24      2
INTRC40                 BA5     28      2
INTRC44                 BA5     2C      2
INTRC48                 BA5     30      2
```

```
INTREL                  4C      F2F0    2
INTRJCNT                C24     0       2
INTRJDDB                E20     0       2
INTRJDEA                E18             2
INTRJDEL                E16             2
INTRJDID                E14             2
INTRJDSZ                E1C             2
INTRJLDB                DA4     0       2
INTRJLEA                D9C             2
INTRJLEL                D9A             2
INTRJLID                D98             2
INTRJLSZ                DA0             2
INTRJTDB                D10     0       2
INTRJTEA                D08             2
INTRJTEL                D06             2
INTRJTID                D04             2
INTRJTSZ                D0C             2
INTRSVDB                B99     0       2
INTRSVDC                1C0             2
INTRSVDD                168     0       2
INTRSVDE                BE4     0       2
INTRSVDF                C44     0       2
INTRSVDZ                52      0       2
INTRSVD2                A8              2
INTRSVD3                BC      0       2
INTRSVD4                190             2
INTRSVD5                B88     0       2
INTRSVD7                BA2     0       2
INTRSVD8                BB0     0       2
INTRSVD9                C66     0       2
INTRSVUA                C54     0       2
INTRSVUB                BF0     0       2
INTRSVU1                CC      0       2
INTRSVU2                B90     0       2
INTRSVU3                BA5     0       2
INTRSVU4                BBC     0       2
INTRSVU5                C70     0       2
INTRSVU7                B9D     0       2
INTRSVU8                1CC             2
INTRSVU9                17C     0       2
INTRTN                  78              2
INTSAVE                 A30             2
INTSCBMK                B97     4       2
INTSCDUP                B97     10      2
INTSCFG1                B97     1       2
INTSCFLG                B97     0       2
INTSCFL1                B98     0       2
INTSCFL2                B9F     0       2
INTSCFR1                B98     40      2
INTSCFR2                B98     20      2
INTSCFR3                B98     10      2
INTSCFR4                B98     8       2
INTSCFR5                B98     4       2
INTSCFR6                B98     2       2
INTSCFR7                B98     1       2
INTSCKWD                B97     80      2
INTSCKWF                B97     40      2
INTSCLPA                B97     20      2
INTSCMLP                B97     8       2
INTSCTRM                B97     2       2
INTSLCNT                C28     0       2
INTSNACB                BA1     1       2
INTSNAMX                BA1     5       2
INTSNASP                BA1     2       2
INTSNCNT                C2A     0       2
INTSOPER                FC      4040    2
INTSPARM                EC      4040    2
INTSRJDB                AFC     0       2
INTSRJEA                AF4             2
INTSRJEL                AF2             2
INTSRJID                AF0             2
INTSRJSZ                AF8             2
INTSTCNB                BF4     32      2
INTSTCNT                BC4     0       2
INTSTCTB                D8      4040    2
INTSTKYL                BCC     C       2
INTSTKYN                BC8     1       2
INTSTPTR                E0              2
INTSTSIZ                BC6     0       2
INTSTSRT                BC0             2
INTSVBS                 7C              2
INTS1NOT                B98     80      2
```

```
INTS2CMD                B9F     80      2
INTS2CTB                B9F     20      2
INTS2CTD                B9F     2       2
INTS2NSN                B9F     8       2
INTS2PH2                B9F     4       2
INTS2RS1                B9F     1       2
INTS2SNA                B9F     40      2
INTS2SYS                B9F     10      2
INTTBUF                 B4              2
INTTEXT                 10C     78      2
INTTNTLN                CF0     9       2
INTTNTL2                CF2     9       2
INTTNTL3                CF4     8       2
INTTNTNM                CF6     64      2
INTTNT1                 CD8     0       2
INTTNT1C                CDC     0       2
INTTNT1E                CE0     0       2
INTTNT2                 CE4     0       2
INTTNT2C                CE8     0       2
INTTNT2E                CEC     0       2
INTTNT3                 CF8     0       2
INTTNT3C                CFC     0       2
INTTNT3E                D00     0       2
INTTRDDB                BA8     0       2
INTUXECB                A4              2
INTUXLAD                B8              2
INTWARN                 B94     20      2
INTYYYDB                B2C     0       2
INTYYYEA                B24             2
INTYYYEL                B22             2
INTYYYSZ                B28             2
INTYYYYY                B20             2
INTZZZDB                B60     0       2
INTZZZEA                B58             2
INTZZZEL                B56             2
INTZZZSZ                B5C             2
INTZZZZZ                B54             2
INT001BE                9AD     9C5     2
INT001CE                9E8     9FC     2
INT3001B                988     3D      2
INT3001C                9C6     36      2
MSGCD9I                 35C     40C2    2
MSGR17I                 365     40C2    2
SCNRECAB                B9F     1       2
```

Chapter 6. Job Control Table — JCT

The job control table (JCT) contains job information, including job name, status, priority, and point of origin. A JCT entry is built at the global node for each file-to-file transaction submitted, and at the submitting node for each network job entry transaction submitted. The transaction driver BDTGRXD creates the entry after the transaction is submitted, using information in the BSID and the MJD.

Each JCT entry is followed by a single scheduler element (SE), which contains “from” and “to” information.

Function:	The JCT is used by all functions that need information about the job as it is processed.
Macro ID:	BDTDJCT
DSECT name:	JCTSTART
Created by:	BDTGRXD, when the job is scheduled
Size of fixed area:	Hex B8 bytes without scheduler element, hex 100 with scheduler element
Accessed by:	The JCT access method, in BDTGRJX, which is pointed to by TVTXJCT
Location:	BDTGRXD originally builds the JCT in cell pool JCTB and copies it on the BDT work queue.

```
OFFSETS      TYPE        LENGTH    NAME         DESCRIPTION

      JOB CONTROL TABLE ENTRY MAPPING MACRO
      JCT HEADER DEFINITION
0     (0)    CHARACTER   4         JCTID        JCT ID
4     (4)    CHARACTER   4         JCTVERS#     JCT VERSION ID
8     (8)    FIXED       2         JCTTOTL      LENGTH OF ENTIRE JCT W/ALL
                                                   SE'S
10    (A)    FIXED       2         JCTFIXL      LENGTH OF FIXED PORTION
12    (C)    FIXED       2         JCTVARL      LENGTH OF EACH SE

      JOB INFORMATION
14    (E)    FIXED       2         JCTJOB       JOB NUMBER (BINARY)
16    (10)   CHARACTER   8         JCTJBNAM     JOB NAME
24    (18)   FIXED       4         JCTQDATE     DATE JOB ENTERED SYSTEM
28    (1C)   FIXED       2         JCTTQUID

      TQI UNIQUE IDENTIFIER MAPPING MACRO
28    (1C)   FIXED       4         JCTUTI
28    (1C)   BITSTRING   1         JCTRECS      NUMBER OF RECORDS REQUIRED

             1...  ....           JCTREXMT       "BIT0" RETRANSMISSION FLAG
             1...  ....           JCTPNDFG       "BIT0" TQI PENDING FLAG

29    (1D)   CHARACTER   3         JCTCPUID     CPU ID CHARACTERS
32    (20)   FIXED       4         JCTRNWD      ALIGNMENT
32    (20)   FIXED       2         JCTRUD1      RESERVED FOR DEVELOPMENT
34    (22)   FIXED       2         JCTRNUM      RELATIVE RECORD NUMBER
36    (24)   CHARACTER   8         JCTDTTM      DATE TIME STAMP
44    (2C)   CHARACTER   8         JCTXMTTM     TIME OF SUBMISSION
52    (34)   FIXED       4         JCTEND       END OF UTI

             ...1  1...           JCTSIZE         LENGTH OF UTI
             ...1  11..           JCTENTRY        UTI EQUATE

52    (34)   CHARACTER   4         JCTXHDR      CONTROL BLOCK ACRONYM
56    (38)   CHARACTER   4         JCTXREL      VERSION ID
60    (3C)   ADDRESS     2         JCTXLEN      XOID LENGTH
62    (3E)   BITSTRING   8         JCTXBSI      XACTION ORIGIN BDT SYS ID
70    (46)   BITSTRING   8         JCTXBSN      XACTION ORIGIN BDT SYS NAME
```

```
      TRANSACTION ORIGIN TYPE
78    (4E)   BITSTRING   1         JCTXTYP      XACTION ORIGIN TYPE

             ....  ...1           JCTTSO         "1" TSO USER
             ....  ..1.           JCTJES         "2" JES CONSOLE
             ....  ..11           JCTBTCH        "3" BATCH JOB
             ....  .1..           JCTMCS         "4" MCS CONSOLE
             ....  .1.1           JCTLOG         "5" JOB MESSAGE LOG
             ....  .11.           JCTFCT         "6" BDT FCT
             ....  .111           JCTJMC         "7" JES MESSAGE CLASS
             ....  1...           JCTRDEV        "8" BEGIN DEVELOPMENT
                                                 DEFINED XOIDXTYP
             1...  ....           JCTUSER        "128" BEGIN USER DEFINED
                                                 XOIDXTYP

      FLAG 1 DEFINITION
79    (4F)   BITSTRING   1         JCTXFL1      XOID FLAG 1

             1...  ....           JCTXMCL          "BIT0" SUPPRESSION OF
                                                   MESSAGE CLASS
             .1..  ....           JCTX1R1          "BIT1" RESERVED
             ..1.  ....           JCTX1R2          "BIT2" RESERVED
             ...1  ....           JCTX1R3          "BIT3" RESERVED
             ....  1...           JCTX1R4          "BIT4" RESERVED
             ....  .1..           JCTX1R5          "BIT5" RESERVED
             ....  ..1.           JCTX1R6          "BIT6" RESERVED
             ....  ...1           JCTX1R7          "BIT7" RESERVED

      MISCELLANEOUS INFORMATION
80    (50)   CHARACTER   8         JCTXDDN      TRANSACTION ORIGIN DDNAME
80    (50)   CHARACTER   8         JCTUSID      TSO USERID
80    (50)   CHARACTER   8         JCTCNDD      JES CONSOLE DDNAME
80    (50)   CHARACTER   8         JCTJCLS      JES MESSAGE CLASS
80    (50)   CHARACTER   8         JCTBJNM      BATCH JOB NAME
80    (50)   ADDRESS     1         JCTMCSI      MCS CONSOLE ID
80    (50)   BITSTRING   2         JCTBJNO      BDT JOB NUMBER
80    (50)   BITSTRING   8         JCTDDRS      DDNAME

      RESERVED FIELDS
88    (58)   BITSTRING   4         JCTXRD2      RESERVED
92    (5C)   BITSTRING   4         JCTXRD3      RESERVED
96    (60)   BITSTRING   4         JCTXRS1      RESERVED
100   (64)   BITSTRING   4         JCTXRS2      RESERVED
104   (68)   BITSTRING   4         JCTXRU1      RESERVED
108   (6C)   BITSTRING   4         JCTXRU2      RESERVED

             .1.1  ...1           JCTMCSA        MCS CONSOLE UX28 AUTH
             .111  ....           JCTXEND        END OF XOID
             ..11  .1..           JCTXOID        XOID EQUATE
             ..11  111.           JCTXALL        BSI EQUATE

112   (70)   BITSTRING   1         JCTNOSES     NUMBER OF SCHEDULER ELEMENTS
113   (71)   BITSTRING   1         JCTPRTY      JOB PRIORITY

      DEFINITION OF JCTFL1
114   (72)   BITSTRING   1         JCTFL1       FLAG BYTE

             1...  ....           JCTOPHLD       "BIT0" OPERATOR HOLD
             .1..  ....           JCTCALL        "BIT1" JOB IS CALLED DAP
             ..1.  ....           JCTNCHNG       "BIT2" JCT NOT CHANGED
             ...1  ....           JCTNTHLD       "BIT3" NET HOLD
             ....  1...           JCTPURG        "BIT4" PURGE COMPLETE
             ....  .1..           JCTRESCH       "BIT5" RESCHEDULE
             ....  ..1.           JCTCANCL       "BIT6" JSS TO CANCEL
             ....  ...1           JCTDUMP        "BIT7" JSS TO CANCEL W/DUMP

      DEFINITION OF JCTFL2
115   (73)   BITSTRING   1         JCTFL2       FLAG BYTE

             1...  ....           JCTTAAD        "BIT0" JCT ADD
             .1..  ....           JCTSTCHG       "BIT1" THIS JCT HAS STATUS
                                                 CHANGE
             ..1.  ....           JCTDSENQ       "BIT2" JOB HELD DUE TO DS
                                                 ENQUEUE
             ...1  ....           JCTFREEZ       "BIT3" JCT FROZEN
             ....  1...           JCTDEL         "BIT4" JCT DEL
```

```
            ....  .1..            JCTOPCAN        "BIT5" OPERATOR CANCEL
            ....  ..1.            JCTFL2R2        "BIT6" RESERVED
            ....  ...1            JCTNDSNQ        "BIT7" NO BDT DSN ENQUEUE
```

```
      DEFINITION OF JCTFL3
116   (74)   BITSTRING   1         JCTFL3       FLAG BYTE

            1...  ....            JCTNETRL       "BIT0" NET RELEASE PROC'ING
                                                 COMP
            .1..  ....            JCTNETFL       "BIT1" NET FLUSHED
            ..1.  ....            JCTNJE         "BIT2" NJE TRANSACTION
            ...1  ....            JCTNJOBT       "BIT3" NJE JOB TRANSACTION
            ....  1...            JCTNSSOT       "BIT4" NJE SYSOUT
                                                 TRANSACTION
            ....  .1..            JCTFL3R4       "BIT5" RESERVED
            ....  ..1.            JCTFL3R5       "BIT6" RESERVED
            ....  ...1            JCTFL3R6       "BIT7" RESERVED

117   (75)   BITSTRING   1         JCTRSS1      RESERVED
120   (78)   FIXED       4         JCTWCT       WRITE ITERATION COUNT
124   (7C)   FIXED       4         JCTTOD       TOD JCT ADDED TO THIS PRTY
128   (80)   CHARACTER   8         JCTNETID     NET ID
136   (88)   FIXED       2         JCTNETHC     NET HOLD COUNT
138   (8A)   FIXED       2         JCTMJDLN     LENGTH OF THE MJD
                                                    (FIXED+VARIABLE)
140   (8C)   BITSTRING   1         JCTSIDDB     CMA/MJD DDB (MAX 2 EXTENTS)

            1...  11..            JCTCMDDB       "JCTSIDDB" CONSOLE MESSAGE
                                                 AREA DDB
            1...  11..            JCTMJDDB       "JCTSIDDB" MASTER JOB
                                                 DEFINITION DDB

152   (98)   ADDRESS     4         JCTJML       ADDRESS OF JOB MSG LOG
                                                    CONTROL BLOCK
156   (9C)   BITSTRING   1         JCTJMLMD     JOB MESSAGE LOG MASTER DDB
```

```
      JES3 INFORMATION
28    (1C)   CHARACTER   24        JCTJSINF     JES3 JOB NUMBER, GROUP ID
                                                    AND NJE TIME STAMP
28    (1C)   CHARACTER   8         JCTJESNR     JES3 JOB ID
36    (24)   CHARACTER   8         JCTGRPID     JES3 GROUP ID
44    (2C)   CHARACTER   8         JCTDATI      JES3 NJE TIME STAMP
164   (A4)   CHARACTER   8         JCTRSV1      RESERVED
172   (AC)   CHARACTER   8         JCTRSV2      RESERVED
180   (B4)   FIXED       4         JCTRSV3      RESERVED
184   (B8)   FIXED       4         JCTFEND      END OF FIXED AREA
184   (B8)   BITSTRING   1         JCTFSIZE     SIZE OF FIXED AREA =
                                                    L'JCTFSIZE
```

```
      ACCOUNTING INFORMATION
16    (10)   FIXED       4         JCTLOCPU     LOCAL CPU TIME
20    (14)   FIXED       4         JCTLOCPF     LOCAL CPU FACTOR
24    (18)   BITSTRING   4         JCTLOCID     LOCAL CPU ID
```

```
      FORMAT OF EACH JCT SCHEDULER ELEMENT
      DEFINITION OF SEFLAGS
0     (0)    BITSTRING   1         SEFLAGS      FLAG BYTE 1

            1...  ....            SECOMP         "BIT0" SE COMPLETE
            1...  ....            SEGBLCMP       "BIT0" SE GLOBL FUNCTION
                                                 COMPLETE
            .1..  ....            SEACTIVE       "BIT1" SE ACTIVE
            .1..  ....            SEGBLACT       "BIT1" SE GLOBL FUNCTION
                                                 ACTIVE
            ..1.  ....            SEGBLTO        "BIT2" SE GLOBL SCHEDULE
                                                 'TO' SIDE
            ...1  ....            SEGBLFR        "BIT3" SE GLOBL SCHED
                                                 'FROM' ALSO
            ....  1...            SELCLACT       "BIT4" SE LOCAL FUNCTION
                                                 ACTIVE
            ....  .1..            SELCLCMP       "BIT5" SE LOCAL FUNCTION
                                                 COMPLETE
            ....  ..1.            SELCLTO        "BIT6" SE LOCAL SCHEDULE
                                                 'TO' SIDE
            ....  ...1            SELCLRQ        "BIT7" SE LOCAL SCHED
                                                 REQUEST SENT
```

```
      DEFINITION OF SEFLAG2
1     (1)    BITSTRING   1         SEFLAG2      FLAG BYTE 2

             1...  ....            SESECAN        "BIT0" DAP NOTIFIED TO
                                                  CANCEL SESSION
             .1..  ....            SEFL2R1        "BIT1" RESERVED
             ..1.  ....            SEFL2R2        "BIT2" RESERVED
             ...1  ....            SEFL2R3        "BIT3" RESERVED
             ....  1...            SEFL2R4        "BIT4" RESERVED
             ....  .1..            SEFL2R5        "BIT5" RESERVED
             ....  ..1.            SEFL2R6        "BIT6" RESERVED
             ....  ...1            SEFL2R7        "BIT7" RESERVED
```

```
      DEFINITION OF SEFLAG3
2     (2)    BITSTRING   1         SEFLAG3      RESERVED
3     (3)    BITSTRING   1         SESEQNO      SE SEQUENCE NUMBER
4     (4)    CHARACTER   8         SEDAP        DAP NAME (CALLED DAP)
4     (4)    CHARACTER   8         SEFRDAP      FROM DAP NAME
12    (C)    CHARACTER   8         SETODAP      TO DAP NAME
20    (14)   CHARACTER   8         SEFRLOC      FROM LOCATION NAME
28    (1C)   CHARACTER   8         SETOLOC      TO LOCATION NAME
36    (24)   FIXED       2         SEFRCPD      MJD DISP OF CKPT AREA SOURCE
38    (26)   FIXED       2         SEFRCPL      LEN OF CKPT AREA SOURCE
40    (28)   FIXED       2         SETOCPD      MJD DISP OF CKPT AREA
                                                    DESTINATION
42    (2A)   FIXED       2         SETOCPL      LEN OF CKPT AREA DEST
44    (2C)   FIXED       2         SELUNO       ALLOCATED TRANSFER LU NO
46    (2E)   CHARACTER   5         SEFRCOMP     COMPLETION CODE SOURCE
51    (33)   CHARACTER   5         SETOCOMP     COMPLETION CODE DEST
```

```
      RESERVED
56    (38)   ADDRESS     4         SELCTAD      LCT ADDRESS
60    (3C)   ADDRESS     4         SERSS1       RESERVED
64    (40)   ADDRESS     4         SERSS2       RESERVED
68    (44)   ADDRESS     4         SERSU1       RESERVED
72    (48)   FIXED       4         SEEND        END OF SE
72    (48)   BITSTRING   1         SESIZE       SIZE OF SE = L'SESIZE
```

```
                          CROSS REFERENCE
                           HEX     HEX
NAME                       OFFSET  VALUE  LEVEL

JCTBJNM                    50             2
JCTBJNO                    50             2
JCTBTCH                    4E      3      2
JCTCALL                    72      40     2
JCTCANCL                   72      2      2
JCTCMDDB                   8C      8C     2
JCTCNDD                    50             2
JCTCPUID                   1D      4040   2
JCTDATI                    2C             2
JCTDDRS                    50      0      2
JCTDEL                     73      8      2
JCTDSENQ                   73      20     2
JCTDTTM                    24      4040   2
JCTDUMP                    72      1      2
JCTEND                     34             2
JCTENTRY                   34      1C     2
JCTFCT                     4E      6      2
JCTFEND                    B8             2
JCTFIXL                    A              2
JCTFL1                     72             2
JCTFL2                     73             2
JCTFL2R2                   73      2      2
JCTFL3                     74             2
JCTFL3R4                   74      4      2
JCTFL3R5                   74      2      2
JCTFL3R6                   74      1      2
JCTFREEZ                   73      10     2
JCTFSIZE                   B8             2
JCTGRPID                   24             2
JCTID                      0              2
JCTJBNAM                   10             2
JCTJCLS                    50             2
JCTJES                     4E      2      2
JCTJESNR                   1C             2
JCTJMC                     4E      7      2
JCTJML                     98             2
```

```
JCTJMLMD                9C      0       2
JCTJOB                  E               2
CTJSINF                 1C              2
JCTLOCID                18      0       2
JCTLOCPF                14      0       2
JCTLOCPU                10      0       2
JCTLOG                  4E      5       2
JCTMCS                  4E      4       2
JCTMCSA                 6C      51      2
JCTMCSI                 50              2
JCTMJDDB                8C      8C      2
JCTMJDLN                8A      0       2
JCTNCHNG                72      20      2
JCTNDSNQ                73      1       2
JCTNETFL                74      40      2
JCTNETHC                88      0       2
JCTNETID                80      4040    2
JCTNETRL                74      80      2
JCTNJE                  74      20      2
JCTNJOBT                74      10      2
JCTNOSES                70              2
JCTNSSOT                74      8       2
JCTNTHLD                72      10      2
JCTOPCAN                73      4       2
JCTOPHLD                72      80      2
JCTPNDFG                1C      80      2
JCTPRTY                 71              2
JCTPURG                 72      8       2
JCTQDATE                18              2
JCTRDEV                 4E      8       2
JCTRECS                 1C      0       2
JCTRESCH                72      4       2
JCTREXMT                1C      80      2
JCTRNUM                 22      0       2
JCTRNWD                 20              2
JCTRSS1                 75              2
JCTRSV1                 A4              2
JCTRSV2                 AC              2
JCTRSV3                 B4              2
JCTRUD1                 20      0       2
JCTSIDDB                8C              2
JCTSIZE                 34      18      2
JCTSTCHG                73      40      2
JCTTAAD                 73      80      2
JCTTOD                  7C      0       2
JCTTOTL                 8               2
JCTTQUID                1C              2
JCTTSO                  4E      1       2
JCTUSER                 4E      80      2
JCTUSID                 50              2
JCTUTI                  1C              2
JCTVARL                 C               2
JCTVERS#                4               2
JCTWCT                  78      0       2
JCTXALL                 6C      3E      2
JCTXBSI                 3E      0       2
JCTXBSN                 46      0       2
JCTXDDN                 50              2
JCTXEND                 6C      70      2
JCTXFL1                 4F      0       2
JCTXHDR                 34      E7D6    2
JCTXLEN                 3C      3C      2
JCTXMCL                 4F      80      2
JCTXMTTM                2C      4040    2
JCTXOID                 6C      34      2
JCTXRD2                 58      0       2
JCTXRD3                 5C      0       2
JCTXREL                 38      F1F0    2
JCTXRS1                 60      0       2
JCTXRS2                 64      0       2
JCTXRU1                 68      0       2
JCTXRU2                 6C      0       2
JCTXTYP                 4E      0       2
JCTX1R1                 4F      40      2
JCTX1R2                 4F      20      2
JCTX1R3                 4F      10      2
JCTX1R4                 4F      8       2
JCTX1R5                 4F      4       2
JCTX1R6                 4F      2       2
JCTX1R7                 4F      1       2
SEACTIVE                0       40      2
SECOMP                  0       80      2
```

```
SEDAP                   4               2
SEEND                   48              2
SEFLAGS                 0               2
SEFLAG2                 1               2
SEFLAG3                 2               2
SEFL2R1                 1       40      2
SEFL2R2                 1       20      2
SEFL2R3                 1       10      2
SEFL2R4                 1       8       2
SEFL2R5                 1       4       2
SEFL2R6                 1       2       2
SEFL2R7                 1       1       2
SEFRCOMP                2E              2
SEFRCPD                 24              2
SEFRCPL                 26              2
SEFRDAP                 4               2
SEFRLOC                 14              2
SEGBLACT                0       40      2
SEGBLCMP                0       80      2
SEGBLFR                 0       10      2
SEGBLTO                 0       20      2
SELCLACT                0       8       2
SELCLCMP                0       4       2
SELCLRQ                 0       1       2
SELCLTO                 0       2       2
SELCTAD                 38              2
SELUNO                  2C              2
SERSS1                  3C              2
SERSS2                  40              2
SERSU1                  44              2
SESECAN                 1       80      2
SESEQNO                 3               2
SESIZE                  48              2
SETOCOMP                33              2
SETOCPD                 28              2
SETOCPL                 2A              2
SETODAP                 C               2
SETOLOC                 1C              2
```

Chapter 7. Job Queue Element — JQE

A job queue element (JQE) is an in-storage representation of each transaction represented by a JCT on the work queue. It allows direct access to the desired JCT on the work queue. There is one JQE entry allocated for each job.

Function:	The JQE provides access to the associated JCT on the work queue.
Macro ID:	BDTDJQE
DSECT name:	JQESTART
Created by:	BDTGRXD, when the job is scheduled
Size:	Hex 68 bytes
Accessed by:	The JQE access method in BDTGRJX, which is pointed to by TVTXJQE
Location:	In the JQX in the BDT address space

```
OFFSETS      TYPE         LENGTH    NAME          DESCRIPTION

      MAPS THE BDT JOB QUEUE ELEMENT (JQE)
0     (0)    CHARACTER    4         JQEID         CONTROL BLOCK ACRONYM
4     (4)    CHARACTER    4         JQEREL        RELEASE NUMBER
8     (8)    BITSTRING    12        JQEDDB        DDBRQ FOR JCT I/O REQUESTS
20    (14)   CHARACTER    8         JQENETID      NET ID
28    (1C)   FIXED        2         JQEJNO        JOB NUMBER
30    (1E)   FIXED        2         JQEPREV       JOBNO PREVIOUS JOB THIS PRTY
32    (20)   FIXED        2         JQENEXT       JOBNO NEXT JOB THIS PRTY
34    (22)   BITSTRING    1         JQEPRTY       JOB PRIORITY
35    (23)   BITSTRING    1         JQEUCT        USE COUNT FOR READ ONLY USERS
36    (24)   ADDRESS      1         JQERW         JQE JCT WRITE LOCK

      MJD UPDATE LOCK FOOT PRINT
37    (25)   BITSTRING    1         JQEMJDID      MJD UPDATE LOCK FOOT PRINT
38    (26)   BITSTRING    1         JQERWR1       RESERVED

      MJD UPDATE SYNC LOCK
39    (27)   BITSTRING    1         JQEMJDLK      MJD UPDATE SYNC LOCK

             1...  ...1              JQEMJD81        "X'81'" LOCK HELD BY CKPT
             1...  ..1.              JQEMJD82        "X'82'" LOCK HELD BY GRJS
             1...  ..11              JQEMJD83        "X'83'" LOCK HELD BY GRJR

40    (28)   ADDRESS      4         JQERWFCT      JQE JCT WRITE FCT ADDRESS

      JML LOCK
44    (2C)   ADDRESS      1         JQEJMLL       JML LOCK
45    (2D)   ADDRESS      3         JQEJMRS       RESERVED
48    (30)   ADDRESS      4         JQEJMLLA      JML LOCK WRITE FCT ADDRESS
52    (34)   ADDRESS      4         JQEJML        JOB MESSAGE LOG CONTROL BLOCK
56    (38)   FIXED        4         JQEQDATE      DATE JOB ENTERED THE SYSTEM
60    (3C)   CHARACTER    8         JQEFRTO       FROM OR TO LOC
68    (44)   CHARACTER    8         JQEJGID       JES3 GROUP ID
76    (4C)   CHARACTER    8         JQEJOBN       JOB NAME
84    (54)   CHARACTER    8         JQEJJNO       JES3 JOB ID
92    (5C)   CHARACTER    8         JQEDATI       JES3 NJE TIME STAMP

      DEFINITION OF JQE FLAG 1
100   (64)   BITSTRING    1         JQEFL1        SAME AS JCTFL1

             1...  ....              JQEOPHLD        "BIT0" OPERATOR HOLD
             .1..  ....              JQECALL         "BIT1" JOB IS CALLED DAP
             ..1.  ....              JQENCHNG        "BIT2" JCT NOT CHANGED
             ...1  ....              JQENTHLD        "BIT3" NET HOLD
             ....  1...              JQEPURG         "BIT4" PURGE COMPLETE
             ....  .1..              JQERESCH        "BIT5" RESCHEDULE
```

```
            ....  ..1.           JQECANCL        "BIT6" JSS TO CANCEL
            ....  ...1           JQEDUMP         "BIT7" JSS TO CANCEL W/DUMP
```

```
      DEFINITION OF JQE FLAG 2
101   (65)   BITSTRING   1         JQEFL2       SAME AS JCTFL2

            1...  ....           JQETAAD         "BIT0" JCT ADD
            .1..  ....           JQESTCHG        "BIT1" THIS JCT HAS STATUS
                                                 CHANGE
            ..1.  ....           JQEDSEQ         "BIT2" JOB HELD DUE TO DS
                                                 ENQUEUE
            ...1  ....           JQEFREZ         "BIT3" JCT FROZEN
            ....  1...           JQEJDEL         "BIT4" JCT DEL
            ....  .1..           JQEFL2R1        "BIT5" RESERVED
            ....  ..1.           JQEFL2R2        "BIT6" RESERVED
            ....  ...1           JQENDSNQ        "BIT7" NO BDT DSN ENQUEUE
```

```
      DEFINITION OF JQE FLAG 3
102   (66)   BITSTRING   1         JQEFL3       JQE FLAG 3

            1...  ....           JQENETRL        "BIT0" NET RELEASE PROC'ING
                                                 COMP
            .1..  ....           JQENETFL        "BIT1" NET FLUSHED
            ..1.  ....           JQENJE          "BIT2" NJE TRANSACTION
            ...1  ....           JQENJOBT        "BIT3" NJE JOB TRANSACTION
            ....  1...           JQENSSOT        "BIT4" NJE SYSOUT
                                                 TRANSACTION
            ....  .1..           JQEFL3R5        "BIT5" RESERVED
            ....  ..1.           JQEFL3R6        "BIT6" RESERVED
            ....  ...1           JQEFL3R7        "BIT7" RESERVED

103   (67)   BITSTRING   1         JQESTAT2     SEFLAGS FOR CURNT/NXT S.E.
```

```
      DEFINITION OF CONTROL FLAG 1
104   (68)   BITSTRING   1         JQEFLG1      CONTROL FLAG 1

            1...  ....           JQEALLOC        "BIT0" THIS JQE CURRENTLY
                                                 ALLOCATED
            .1..  ....           JQENORD         "BIT1" RO ACCESS PROHIBITED
            ..1.  ....           JQEDEL          "BIT2" ALLOW TYPE=DEL ONLY
            ...1  ....           JQEFREEZ        "BIT3" SAME AS JCTFREEZ
            ....  1...           JQERESDT        "BIT4" JCT IS RESIDENT
            ....  .1..           JQEDSENQ        "BIT5" JOB IS HELD DUE TO
                                                 DS ENQ
            ....  ..1.           JQECAT          "BIT6" CATASTROPHIC ERR JQE
                                                 OR JCT
            ....  ...1           JQEMSG          "BIT7" CAT ERR MSG ISSUED
```

```
      DEFINITION OF CONTROL FLAG 5
105   (69)   BITSTRING   1         JQEFL5       CONTROL FLAG 5

            1...  ....           JQETQPND        "BIT0" TQI PENDING FLAG ON
                                                 IF JQE IS FOR JOB WHICH
                                                 HAS NOT YET RECEIVED A
                                                 COMMIT
            .1..  ....           JQEFL5R1        "BIT1" RESERVED
            ..1.  ....           JQEFL5R2        "BIT2" RESERVED
            ...1  ....           JQEFL5R3        "BIT3" RESERVED
            ....  1...           JQEFL5R4        "BIT4" RESERVED
            ....  .1..           JQEFL5R5        "BIT5" RESERVED
            ....  ..1.           JQEFL5R6        "BIT6" RESERVED
            ....  ...1           JQEFL5R7        "BIT7" RESERVED

108   (6C)   FIXED       4       JQERSD01     RESERVED
112   (70)   FIXED       4       JQERSD02     RESERVED
116   (74)   FIXED       4       JQERSD03     RESERVED
120   (78)   FIXED       4       JQERSD04     RESERVED

            .111  11..           JQEEEND         END OF JQE
            .111  11..           JQESIZE         JQESIZE = JQE SIZE
```

Chapter 8. JQE/JCT Access Control Table — JQX

The JQE/JCT access control table (JQX) contains control information. It is used by the JQE and JCT access routines.

Function:	The JQX is used by the JQE and JCT access routines.
Macro ID:	BDTDJQX
DSECT name:	JQXSTART
Created by:	BDTGRJX
Size of fixed area:	Hex 2C4 bytes
Pointed to by:	TVTJQX
Location:	In the BDT address space

```
OFFSETS      TYPE        LENGTH    NAME         DESCRIPTION

      MAPS CONTROL TABLES USED BY BDT
      JQE/JCT ACCESS ROUTINES
      JQX (JQE/JCT ACCESS CONTROL TABLE)
0     (0)    CHARACTER   4         JQXID        CONTROL BLOCK ACRONYM
4     (4)    CHARACTER   4         JQXVERS#     CONTROL BLOCK VERSION ID
8     (8)    ADDRESS     2         JQXLNGTH     CONTROL BLOCK LENGTH
10    (A)    FIXED       2         JQXRSVD1     RESERVED
12    (C)    ADDRESS     4         JQX0AD       BDTINJC ADDR JQE0
16    (10)   ADDRESS     4         JQX1AD       BDTINJC ADDR JQE1
20    (14)   ADDRESS     4         JQX2AD       BDTINJC ADDR JQE2
24    (18)   ADDRESS     4         JQX4AD       BDTINJC ADDR JQE4
28    (1C)   ADDRESS     4         JQXJEND      BDTINJC END OF JQE4 TABLE
32    (20)   FIXED       4         JQXHINM      HI JOBNAME ADDR IN JQE3
36    (24)   FIXED       4         JQXHIJQ      HI JQE ADDR IN JQE4
40    (28)   FIXED       4         JQXREAD      TOTAL JCT RREADS
44    (2C)   FIXED       4         JQXWRITE     TOTAL JCT RWRITES
48    (30)   FIXED       4         JQXTRKA      BDTINJC MRCH FOR JCT ADD
                                                  (WARM/HOT)
52    (34)   FIXED       4         JQXWCT       WRITE ITERATION COUNT
56    (38)   FIXED       4         JQXMRCH      BDTINIO FIRST JCT REC MRCH
60    (3C)   FIXED       2         JQXRTRK      BDTINIO REC/TRK ON JCT DEVICE
62    (3E)   FIXED       2         JQXHCYL      BDTINIO HEADS/CYL ON JCT
                                                  DEVICE
64    (40)   FIXED       2         JQXCNT       BDTINJC TOTAL ACTV BYTES IN
                                                  JQE1 TBL
66    (42)   FIXED       2         JQXCURNT     CURRENT JQE ALLOCATION
68    (44)   FIXED       2         JQXHW        HI H2O JQE ALLOCATION
70    (46)   FIXED       2         JQXJMAX      BDTINIO TOTAL JCT RECORDS IN
                                                  EXTENT
72    (48)   FIXED       2         JQXRCUR      CURRENT RESIDENT JCT COUNT
74    (4A)   FIXED       2         JQXMXSZ      BDTINIO JCT + SE'S + SRF
                                                  PREFIX SIZE
76    (4C)   BITSTRING   1         JQXRSVD2     RESERVED
```

```
      DEFINITION OF JQE/JCT CONTROL FLAG 1
77    (4D)   BITSTRING   1         JQXFLG1      JQE/JCT CONTROL FLAG 1

             1...  ....           JQXINIT        "BIT0" JQE/JCT INIT
                                                 COMPLETE
             .1..  ....           JQXPRNJE       "BIT1" REMOVE NJE
                                                 TRANSACTION FROM JOB QUEUE
             ..1.  ....           JQXFL1R2       "BIT2" RESERVED
             ...1  ....           JQXFL1R3       "BIT3" RESERVED
             ....  1...           JQXFL1R4       "BIT4" RESERVED
             ....  .1..           JQXFL1R5       "BIT5" RESERVED
             ....  ..1.           JQXFL1R6       "BIT6" RESERVED
             ....  ...1           JQXFL1R7       "BIT7" RESERVED
```

```
      DEFINITION OF JQE/JCT CONTROL FLAG 2
78    (4E)   BITSTRING   1         JQXFLG2      JQE/JCT CONTROL FLAG 2
```

```
            1...  ....            JQXFL2R0        "BIT0" RESERVED
            .1..  ....            JQXFL2R1        "BIT1" RESERVED
            ..1.  ....            JQXFL2R2        "BIT2" RESERVED
            ...1  ....            JQXFL2R3        "BIT3" RESERVED
            ....  1...            JQXFL2R4        "BIT4" RESERVED
            ....  .1..            JQXFL2R5        "BIT5" RESERVED
            ....  ..1.            JQXFL2R6        "BIT6" RESERVED
            ....  ...1            JQXFL2R7        "BIT7" RESERVED
```

```
      DEFINITION OF JQE/JCT CONTROL FLAG 3
79    (4F)   BITSTRING   1         JQXFLG3      JQE/JCT CONTROL FLAG 3

            1...  ....            JQXFL3R0        "BIT0" RESERVED
            .1..  ....            JQXFL3R1        "BIT1" RESERVED
            ..1.  ....            JQXFL3R2        "BIT2" RESERVED
            ...1  ....            JQXFL3R3        "BIT3" RESERVED
            ....  1...            JQXFL3R4        "BIT4" RESERVED
            ....  .1..            JQXFL3R5        "BIT5" RESERVED
            ....  ..1.            JQXFL3R6        "BIT6" RESERVED
            ....  ...1            JQXFL3R7        "BIT7" RESERVED

80    (50)   FIXED       4         JQXRESV3     RESERVED
88    (58)   FIXED       4         JQXRESV4     RESERVED
```

```
      PRIORITY LEVEL ACCESS CONTROL FIELDS
      THE FIRST SIXTEEN SLOTS IN EACH FIELD ARE FOR FTF JOBS
      (PRIORITY 0-15) AND THE NEXT SIXTEEN SLOTS IN EACH FIELD
      ARE FOR NJE JOBS(PRIORITY(0-15).
100   (64)   FIXED       2         JQXPHEAD     FIRST JOB PRTY
164   (A4)   FIXED       2         JQXPTAIL     LAST JOB PRTY
228   (E4)   FIXED       2         JQXPCHN      NEXT JOB (PRTY SCAN)
292   (124)  BITSTRING   5         JQXPENQ      ENQ BYTE/FCT ADDR PRTY
452   (1C4)  FIXED       4         JQXPENQ2     ENQ CALLER RETURN ADDR
```

```
      JQX PRIORITY STATUS
  TO ADDRESS FLAG BYTES FOR A SPECIFIC PRIORITY
  ASSUME R1=PRIORITY, R2=ADDRESS OF JQXPSTAT
      MH R1,=H'L'JQXPSTAT' PRTY ENTRY SIZE
      AR R2,R1 ADDR PRTY STATUS WORD
      USING JQXPSTAT,R2 BASE FOR PRTY STATUS WORD
      ACCESS JQXPFLO-3 AS REQUIRED
      DROP R2 RESET
580   (244)  FIXED       4         JQXPSTAT     PRTY STATUS (1 FLWD/PRTY)
```

```
      DEFINITION OF PRIORITY STATUS FLAG 0
580   (244)  BITSTRING   1         JQXPFLO      PRIORITY STATUS

            1...  ....            JQXPHOLD        "BIT0" PRTY IS HELD
                                                  PRTY
            ..1.  ....            JQXPREST        "BIT2" JOBS REQ RESTART
                                                  PROCESSING
            ...1  ....            JQXPRELH        "BIT3" PRIORITY RELEASED
                                                  FROM HOLD
            ....  1...            JQXFL0R1        "BIT4" RESERVED
            ....  .1..            JQXFL0R2        "BIT5" RESERVED
            ....  ..1.            JQXFL0R3        "BIT6" RESERVED
            ....  ...1            JQXFL0R4        "BIT7" RESERVED

581   (245)  BITSTRING   1         JQXPFL1      RESERVED
582   (246)  BITSTRING   1         JQXPFL2      COMPOSITE JCTFL2
583   (247)  BITSTRING   1         JQXPFL3      RESERVED
580   (244)  FIXED       4         JQXPTYCW     INIT PRTY CONTROL WORDS
580   (244)                        JQXEND       END OF JQX
```

Chapter 9. Logical Unit Control Table — LCT and LCTLU

A logical unit control table (LCT) describes either a SNA session or a VLU associated with a node. An LCT describing a session provides the interface with an LCB (an LCB contains the status of a session).

The logical control table for logical units (LCTLU) is an extension of the LCTs that describe the VLUs associated with a node. It describes inbound and outbound buffers associated with data transfer.

Function:	The LCT is used by BDTSNA to control sessions and to interleave data transfers and communication about those transfers on a single session with a node.
Macro ID:	BDTDLCT
DSECT name:	LCTSTART
Created by:	BDTINR2, at BDT initialization (LCTLUs are created by BDTSCINT at SNA initialization.)
Size:	Hex 84 bytes, hex F4 bytes including LCTLUs.
Pointed to by:	GLADDR, LCBLCT, LCTLUSAD, LCTCHAIN, LCTNODCH, LCTTYPCH, LCTLUVARS, TVTIFC, TVTXFER, TVTSNLTP, TVTLCTUN, RLTNLPTR, RLTLCTAD
Location:	In the BDT address space

```
OFFSETS      TYPE         LENGTH    NAME         DESCRIPTION

      BDT LOGICAL UNIT CONTROL BLOCK MAPPING MACRO
      FORMAT OF EACH LOGICAL UNITS TABLE ENTRY
0     (0)    CHARACTER    4         LCTHDR       CONTROL BLOCK ACRONYM
4     (4)    CHARACTER    4         LCTREL       VERSION RELEASE ID
8     (8)    ADDRESS      2         LCTFLEN      FIXED LENGTH
10    (A)    FIXED        2         LCTRSVD1     RESERVED
12    (C)    ADDRESS      4         LCTRLT       ADDR RLT ENTRY
16    (10)   ADDRESS      4         LCTCHAIN     ADDR NEXT LCT
20    (14)   ADDRESS      4         LCTTYPCH     ADDR NEXT LCT OF SAME TYPE
24    (18)   ADDRESS      4         LCTNODCH     ADDR NEXT LCT OF SAME NODE
28    (1C)   ADDRESS      4         LCTLVARS     LU VARIABLE SEGMENT
32    (20)   ADDRESS      4         LCTLGETA     LGET AREA ADDR
36    (24)   ADDRESS      2         LCTLGETL     LGET DATA LENGTH
38    (26)   ADDRESS      2         LCTLGETD     LGET DISPLACEMENT
40    (28)   ADDRESS      4         LCTMSKEF     POST MASK, ECF ADR (COM VLU)
40    (28)   BITSTRING    3         LCTRSD02     RESERVED
43    (2B)   BITSTRING    1         LCTMSK       POST ECF MASK (COMM VLU)
44    (2C)   ADDRESS      4         LCTMSKAD     POST ECF ADDRESS (COMM VLU)
48    (30)   ADDRESS      2         LCTNOLU      LU NUMBER ON NODE
50    (32)   ADDRESS      2         LCTJOBNO     JOB NUMBER THAT HAS LU
                                                    ALLOCATE
52    (34)   ADDRESS      4         LCTFCT       CALLER'S FCT ADDRESS
56    (38)   CHARACTER    8         LCTTYPE      LOGICAL LU TYPE
56    (38)   CHARACTER    3         LCTTGEN      GENERAL LU TYPE
59    (3B)   CHARACTER    5         LCTTSPEC     SPECIFIC LU TYPE
64    (40)   CHARACTER    11        LCTDD        LOGICAL LU DDNAME
64    (40)   CHARACTER    8         LCTNODE      LOGICAL LU NODE NAME
72    (48)   CHARACTER    3         LCTVLUNO     LOGICAL LU NUMBER
72    (48)   CHARACTER    1         LCTVLUCC     FIRST CHARACTER OF FTF VLU ID
73    (49)   CHARACTER    2         LCTVLUN2     VLU NUMBER
75    (4B)   BITSTRING    1         LCTLPUTF     LPUT FLAGS
76    (4C)   ADDRESS      4         LCTLPUTA     LPUT AREA ADDRESS (COM VLU)
80    (50)   FIXED        2         LCTLPUTL     LPUT DATA LENGTH (COM VLU)
82    (52)   FIXED        2         LCTLPUTD     LPUT DISPLACEMENT (COM VLU)
84    (54)   FIXED        2         LCTNJSEQ     SEQUENCE NUMBER FOR NJE NODES
86    (56)   FIXED        2         LCTNJSR1     RESERVED
88    (58)   FIXED        4         LCTIFCBF     IFC INPUT BUFFER ADDRESS
96    (60)                8         LCTOUTQ      IFC OUTPUT QUEUE
96    (60)   ADDRESS      4         LCTOUTQU     PTR TO FIRST IFC ON QUEUE
100   (64)   ADDRESS      4         LCTOUTCT     NUMBER OF IFC'S ON QUEUE
104   (68)   FIXED        4         LCTFLAGS     LCTUNITS FLAG BYTES
```

```
     DEFINITION OF LCTFLAGX (BUFFER STATUS)
     (MUST BE MODIFIED WITH COMPARE AND SWAP)
104  (68)   BITSTRING   1         LCTFLAGX     ASYNCHRONOUSLY CHANGING FLAG

            1...  ....            LCTEODAP       "BIT0" ACK PENDING FOR EOD
                                                 (COM LU)
            .1..  ....            LCTFLXR1       "BIT1" RESERVED
            ..1.  ....            LCTFLXR2       "BIT2" RESERVED
            ...1  ....            LCTFLXR3       "BIT3" RESERVED
            ...1  ....            LCTLPTAC       "BIT4" COM LPUT TO BE
                                                 DEQUEUED
            ....  .1..            LCTFLXR4       "BIT5" RESERVED
            ....  ..1.            LCTBFRCV       "BIT6" COM INPUT BUF RECVED
            ....  ...1            LCTBFSNT       "BIT7" COM OUTPUT BUF SENT
```

```
     DEFINITION OF LCTFLAG1 (VLU STATUS)
105  (69)   BITSTRING   1         LCTFLAG1     LCTUNITS FLAG 1

            1...  ....            LCTOFFLN       "BIT0" LU VARIED OFFLINE
            .1..  ....            LCTBDTOF       "BIT1" REMOTE LU NOT
                                                 AVAILABLE
            ..1.  ....            LCTBDTAL       "BIT2" BDT LU IS ALLOCATED
            ...1  ....            LCTBDTAB       "BIT3" BDT LINE IS ABORTING
            ....  1...            LCTBDTOO       "BIT4" LU OPEN FOR OUTPUT
            ....  .1..            LCTBDTOI       "BIT5" LU OPEN FOR INPUT
            ....  ..1.            LCTEOD         "BIT6" LU REACHED EOD
            ....  ...1            LCTFLUSH       "BIT7" FLUSH INPUT UNTIL
                                                 SOD
```

```
     DEFINITION OF LCTFLAG2 (VLU TYPE)
106  (6A)   BITSTRING   1         LCTFLAG2     LCTUNITS FLAG 2

            1...  ....            LCTBDTLN       "BIT0" BDT LINE LU
            .1..  ....            LCTBDTTR       "BIT1" BDT TRANSFER LU
            ..1.  ....            LCTBDTCM       "BIT2" BDT COM LU (SYSTEM
                                                 FUNCTION)
            ...1  ....            LCTNJE         "BIT3" NODE TYPE IS NJE
            ....  1...            LCTBDTSC       "BIT4" SECONDARY LU (LOCAL)
            ....  .1..            LCTFL2R1       "BIT5" RESERVED
            ....  ..1.            LCTBDTFR       "BIT6" LU FENCED 'FROM'
            ....  ...1            LCTBDTTO       "BIT7" LU FENCED 'TO'
```

```
     DEFINITION OF LCTFLAG3 (VLU CONTROL FLAG)
107  (6B)   BITSTRING   1         LCTFLAG3     VLU CONTROL FLAG

            1...  ....            LCTVTERM       "BIT0" VLU TERMINATION IN
                                                 PROGRESS
            .1..  ....            LCTFL3R1       "BIT1" RESERVED
            ..1.  ....            LCTNJEST       "BIT2" SNA TERM. EXTENSION
                                                 SUPPORTED
            ...1  ....            LCTSODSN       "BIT3" START OF DATA SENT
            ....  1...            LCTOPNOU       "BIT4" OPENED FOR OUTPUT
                                                 (LCTBDTOO)
            ....  .1..            LCTOPNIN       "BIT5" OPENED FOR INPUT
                                                 (LCTBDTOI)
            ....  ..1.            LCTBFLMT       "BIT6" VLU HAS ITS LIMIT OF
                                                 TWO BUFFERS
            ....  ...1            LCTLRDPD       "BIT7" VLU HAS AN LREAD
                                                 REQUEST PENDING
```

```
     DEFINITION OF LCTCSOPT (COMPRESSION OPTION FLAG)
108  (6C)   BITSTRING   1         LCTCSOPT     COMPRESSION OPTION FLAG

            1...  ....            LCTCNDUP       "BIT0" NJE DUPLICATE   IN
                                                 COMPRESSION
            .1..  ....            LCTCRDUP       "BIT1" REPEATED DUP.
                                                 COMPRESSION
            ..1.  ....            LCTCOPR1       "BIT2" RESERVED
            ...1  ....            LCTCOPR2       "BIT3" RESERVED
            ....  1...            LCTCOPR3       "BIT4" RESERVED
            ....  .1..            LCTCOPR4       "BIT5" RESERVED
            ....  ..1.            LCTCOPR5       "BIT6" RESERVED
            ....  ...1            LCTCOPR6       "BIT7" RESERVED
```

```
     DEFINITION OF LCTCSDAP (SAME AS LCTCSOPT)
109  (6D)   BITSTRING   1         LCTCSDAP     DAP COMPRESSION FLAG
```

```
            1...  ....            LCTCSDUP        "BIT0" NJE DUPLICATE   IN
                                                  COMPRESSION
            .1..  ....            LCTCSRDP        "BIT1" REPEATED DUP.
                                                  COMPRESSION
            ..1.  ....            LCTCSDR1        "BIT2" RESERVED
            ...1  ....            LCTCSDR2        "BIT3" RESERVED
            ....  1...            LCTCSDR3        "BIT4" RESERVED
            ....  .1..            LCTCSDR4        "BIT5" RESERVED
            ....  ..1.            LCTCSDR5        "BIT6" RESERVED
            ....  ...1            LCTCSDR6        "BIT7" RESERVED

110   (6E)   BITSTRING   1         LCTSDSEQ     START OF DATA SEQ NUMBER
111   (6F)   BITSTRING   1         LCTRSVU2     RESERVED
112   (70)   ADDRESS     2         LCTCSLEN     COMPRESSED DATA LENGTH
```

```
      DEFINITION OF THE LCTFLAG4
114   (72)   BITSTRING   1         LCTFLAG4     LCTFLAG4

            1...  ....            LCTTQLSD        "BIT0" LINE IS IN SLOWDOWN
                                                  FOR TQI
            .1..  ....            LCTTQSDP        "BIT1" TQI POST REQUIRED
                                                  WHEN IFC LOW
            ..1.  ....            LCTFL4S1        "BIT2" RESERVED
            ...1  ....            LCTFL4S2        "BIT3" RESERVED
            ....  1...            LCTFL4S3        "BIT4" RESERVED
            ....  .1..            LCTFL4S4        "BIT5" RESERVED
            ....  ..1.            LCTFL4S5        "BIT6" RESERVED
            ....  ...1            LCTOPOFF        "BIT7" OPERATOR VARY ACROSS
                                                  SESSIONS
            11..  ....            LCTTQSLO        "LCTTQLSD+LCTTQSDP" LINE IN
                                                  SLOWDOWN AND TQI NEEDS
                                                  POSTING

115   (73)   BITSTRING   1         LCTTQRS1     RESERVED
116   (74)   BITSTRING   1         LCTBSTRM     NJE BINARY STREAM ID
117   (75)   CHARACTER   3         LCTESTRM     NJE EBCDIC STREAM NAME
120   (78)   ADDRESS     4         LCTTQRS3     RESERVED
124   (7C)   ADDRESS     4         LCTTQRS4     RESERVED
128   (80)   ADDRESS     8         LCTTQRS5     RESERVED
136   (88)   FIXED       4         LCTFEND      END OF FIXED AREA
136   (88)   BITSTRING   1         LCTFSIZE     LCTUNITS FIXED SIZE
```

```
      FORMAT OF THE NODE VLU VARIABLE SEGMENT
0     (0)    CHARACTER   4         LCTLUHDR     GENERATE HEADER
4     (4)    CHARACTER   4         LCTLUREL     GENERATE LENGTH
8     (8)    ADDRESS     2         LCTLULEN     GENERATE LENGTH
10    (A)    FIXED       2         LCTLURS1     RESERVED
12    (C)    ADDRESS     4         LCTLUSAD     LCTUNITS ADDR
16    (10)   ADDRESS     4         LCTLUDCL     PTR COMPRESSION PARM LIST
20    (14)   ADDRESS     4         LCTLULIN     LINE LCTLN SEGMENT ADDR
24    (18)   ADDRESS     4         LCTLULUE     PTR NXT LU (CHAINS ENDS)
28    (1C)   ADDRESS     4         LCTLULUL     PTR NXT LU (CHAIN CIRCULAR)
32    (20)   ADDRESS     2         LCTLUBFN     BUFNO
34    (22)   ADDRESS     2         LCTLUREC     GIVEN RECORD SIZE
36    (24)   ADDRESS     2         LCTLUMAX     MAX RECORD SIZE
38    (26)   ADDRESS     2         LCTLUSIZ     NODE BUFFER SIZE
40    (28)   BITSTRING   1         LCTLUBIT     LU ID NUMBER
41    (29)   BITSTRING   1         LCTLUXFG     USER REQUEST FLAGS
42    (2A)   BITSTRING   1         LCTLUISQ     INPUT BUF SEQ COUNTER
43    (2B)   BITSTRING   1         LCTLUOSQ     OUTPUT BUF SEQ COUNTER
44    (2C)   ADDRESS     4         LCTLUIBQ     INPUT BUFFER QUEUE
48    (30)   ADDRESS     4         LCTLUIQD     INPUT QUEUE DEPTH
52    (34)   ADDRESS     4         LCTLUACK     NUMBER OF PENDING ACKS FOR
                                                   INPUT BUFFERS PROCESSED
56    (38)   ADDRESS     4         LCTLUIBE     INPUT BUFFER BEING EMPTIED
60    (3C)   ADDRESS     4         LCTLUOBQ     OUTPUT BUFFER QUEUE
64    (40)   ADDRESS     4         LCTLUOQD     OUTPUT QUEUE DEPTH
68    (44)   ADDRESS     4         LCTLUSNT     NUMBER OF PENDING ACKS FOR
                                                   OUTPUT BUFFERS SENT
72    (48)   ADDRESS     4         LCTLUOBF     OUTPUT BUFFER BEING FILLED
76    (4C)   ADDRESS     4         LCTLUOBS     OUTPUT BUFFER SENT
```

```
      DEFINITION OF LU FLAG 2
80    (50)   BITSTRING   1         LCTLUFL2     LU FLAG 2

            1...  ....            LCTLU2AE        "BIT0" ACKNOWLEDGE END OF
                                                  STREAM
            .1..  ....            LCTLU2BA        "BIT1" BUFFER AVAILABLE TO
```

```
                                                SEND DATA
            ..1.  ....            LCTLU2SC      "BIT2" SEND A SENDER CANCEL
            ...1  ....            LCTLU2RC      "BIT3" RECEIVER CANCEL
                                                RECEIVED
            ....  1...            LCTLU2R5      "BIT4" RESERVED
            ....  .1..            LCTLU2R6      "BIT5" RESERVED
            ....  ..1.            LCTLU2R7      "BIT6" RESERVED
            ....  ...1            LCTLU2SU      "BIT7" SEQNO UPDATED
```

```
      DEFINITION OF LU FLAG 3
81    (51)   BITSTRING   1         LCTLUFL3     LU FLAG 3

            1...  ....            LCTLU3CR       "BIT0" JOB CANCEL FOR  left 0
                                                RESCHEDULE
            .1..  ....            LCTLU3CH      "BIT1" JOB CANCEL FOR HOLD
            ..1.  ....            LCTLU3R3      "BIT2" RESERVED
            ...1  ....            LCTLU3R4      "BIT3" RESERVED
            ....  1...            LCTLU3R5      "BIT4" RESERVED
            ....  .1..            LCTLU3R6      "BIT5" RESERVED
            ....  ..1.            LCTLU3R7      "BIT6" RESERVED
            ....  ...1            LCTLU3R8      "BIT7" RESERVED
```

```
      RESERVED AREA
82    (52)   BITSTRING   2         LCTRSVU3     RESERVED
84    (54)   FIXED       4         LCTRSVU4     RESERVED
88    (58)   FIXED       4         LCTRSVD3     RESERVED
92    (5C)   FIXED       4         LCTRSVD4     RESERVED
96    (60)   FIXED       4         LCTRSVD5     RESERVED
100   (64)   FIXED       4         LCTRSVD6     RESERVED
```

```
      LU DDN INFORMATION
104   (68)   CHARACTER   8         LCTLUDDN     LU DDN
104   (68)   CHARACTER   1         LCTLUDDC     LU DDN SEQUENCE CONTROL CHAR.
105   (69)   CHARACTER   4         LCTLUDSE     LU DDN SEQUENCE NUMBER
109   (6D)   CHARACTER   1         LCTLUDDV     LU DDN VLU NUMBER CONTROL
                                                   CHAR.
110   (6E)   CHARACTER   2         LCTLUNIT     LU DDN VLU NUMBER
112   (70)   FIXED       4         LCTLUEND     END OF ENTRY
112   (70)   BITSTRING   1         LCTLUSZE     LEN OF EXTENSION
```

CROSS REFERENCE

NAME	HEX OFFSET	HEX VALUE	LEVEL
LCTBDTAB	69	10	2
LCTBDTAL	69	20	2
LCTBDTCM	6A	20	2
LCTBDTFR	6A	2	2
LCTBDTLN	6A	80	2
LCTBDTOF	69	40	2
LCTBDTOI	69	4	2
LCTBDTOO	69	8	2
LCTBDTSC	6A	8	2
LCTBDTTO	6A	1	2
LCTBDTTR	6A	40	2
LCTBFLMT	6B	2	2
LCTBFRCV	68	2	2
LCTBFSNT	68	1	2
LCTBSTRM	74		2
LCTCHAIN	10		2
LCTCNDUP	6C	80	2
LCTCOPR1	6C	20	2
LCTCOPR2	6C	10	2
LCTCOPR3	6C	8	2
LCTCOPR4	6C	4	2
LCTCOPR5	6C	2	2
LCTCOPR6	6C	1	2
LCTCRDUP	6C	40	2
LCTCSDAP	6D		2
LCTCSDR1	6D	20	2
LCTCSDR2	6D	10	2
LCTCSDR3	6D	8	2
LCTCSDR4	6D	4	2
LCTCSDR5	6D	2	2
LCTCSDR6	6D	1	2
LCTCSDUP	6D	80	2
LCTCSLEN	70		2
LCTCSOPT	6C		2

```
LCTCSRDP                6D      40      2
LCTDD                   40              2
LCTEOD                  69      2       2
LCTEODAP                68      80      2
LCTESTRM                75              2
LCTFCT                  34              2
LCTFEND                 88              2
LCTFLAGS                68              2
LCTFLAGX                68              2
LCTFLAG1                69              2
LCTFLAG2                6A              2
LCTFLAG3                6B              2
LCTFLAG4                72              2
LCTFLEN                 8       84      2
LCTFLUSH                69      1       2
LCTFLXR1                68      40      2
LCTFLXR2                68      20      2
LCTFLXR3                68      10      2
LCTFLXR4                68      4       2
LCTFL2R1                6A      4       2
LCTFL3R1                6B      40      2
LCTFL4S1                72      20      2
LCTFL4S2                72      10      2
LCTFL4S3                72      8       2
LCTFL4S4                72      4       2
LCTFL4S5                72      2       2
LCTFSIZE                88              2
LCTHDR                  0       D3C3    2
LCTIFCBF                58      0       2
LCTJOBNO                32              2
LCTLGETA                20              2
LCTLGETD                26              2
LCTLGETL                24              2
LCTLPTAC                68      8       2
LCTLPUTA                4C              2
LCTLPUTD                52              2
LCTLPUTF                4B      0       2
LCTLPUTL                50              2
LCTLRDPD                6B      1       2
LCTLUACK                34              2
LCTLUBFN                20              2
LCTLUBIT                28      0       2
LCTLUDCL                10              2
LCTLUDDC                68              2
LCTLUDDN                68              2
LCTLUDDV                6D              2
LCTLUDSE                69              2
LCTLUEND                70              2
LCTLUFL2                50              2
LCTLUFL3                51              2
LCTLUHDR                0       D3C3    2
LCTLUIBE                38              2
LCTLUIBQ                2C              2
LCTLUIQD                30              2
LCTLUISQ                2A      0       2
LCTLULEN                8       70      2
LCTLULIN                14              2
LCTLULUE                18              2
LCTLULUL                1C              2
LCTLUMAX                24              2
LCTLUNIT                6E              2
LCTLUOBF                48              2
LCTLUOBQ                3C              2
LCTLUOBS                4C              2
LCTLUOQD                40              2
LCTLUOSQ                2B      0       2
LCTLUREC                22              2
LCTLUREL                4       F2F0    2
LCTLURS1                A               2
LCTLUSAD                C               2
LCTLUSIZ                26              2
LCTLUSNT                44              2
LCTLUSZE                70              2
LCTLUXFG                29      0       2
LCTLU2AE                50      80      2
LCTLU2BA                50      40      2
LCTLU2RC                50      10      2
LCTLU2R5                50      8       2
LCTLU2R6                50      4       2
LCTLU2R7                50      2       2
LCTLU2SC                50      20      2
LCTLU2SU                50      1       2
```

```
LCTLU3CH                51      40      2
LCTLU3CR                51      80      2
LCTLU3R3                51      20      2
LCTLU3R4                51      10      2
LCTLU3R5                51      8       2
LCTLU3R6                51      4       2
LCTLU3R7                51      2       2
LCTLU3R8                51      1       2
LCTLVARS                1C              2
LCTMSK                  2B      0       2
LCTMSKAD                2C              2
LCTMSKEF                28              2
LCTNJE                  6A      10      2
LCTNJEST                6B      20      2
LCTNJSEQ                54              2
LCTNJSR1                56              2
LCTNODCH                18              2
LCTNODE                 40              2
LCTNOLU                 30              2
LCTOFFLN                69      80      2
LCTOPNIN                6B      4       2
LCTOPNOU                6B      8       2
LCTOPOFF                72      1       2
LCTOUTCT                64              2
LCTOUTQ                 60              2
LCTOUTQU                60              2
LCTREL                  4       F2F0    2
LCTRLT                  C               2
LCTRSD02                28              2
LCTRSVD1                A       0       2
LCTRSVD3                58      0       2
LCTRSVD4                5C      0       2
LCTRSVD5                60      0       2
LCTRSVD6                64      0       2
LCTRSVU2                6F      0       2
LCTRSVU3                52              2
LCTRSVU4                54      0       2
LCTSDSEQ                6E      0       2
LCTSODSN                6B      10      2
LCTTGEN                 38              2
LCTTQLSD                72      80      2
LCTTQRS1                73      0       2
LCTTQRS3                78              2
LCTTQRS4                7C              2
LCTTQRS5                80              2
LCTTQSDP                72      40      2
LCTTQSLO                72      C0      2
LCTTSPEC                3B              2
LCTTYPCH                14              2
LCTTYPE                 38              2
LCTVLUCC                48              2
LCTVLUNO                48              2
LCTVLUN2                49              2
LCTVTERM                6B      80      2
```

Chapter 10. Master Job Definition — MJD

The master job definition (MJD) contains job-related and data set information from the transaction, parameters from the generic MJD, and information gathered as BDT processes the job. There is one MJD for each job. The major portion of the MJD is the dynamic allocation text units usedto allocate the “from” and “to” data sets involved in the data transfer.

The MJD is associated with a BSID from the time a transaction is first received until the MJD is placed on the work queue.

Function:	The MJD is used in scheduling jobs.
Macro ID:	BDTDMJD
DSECT name:	MJDSTART
Created by:	BDTLP, called from either the BDT, user, or JESaddress space.
Size of fixed area:	Hex 160 bytes
Pointed to by:	RSQAJDBR, when active in the address space; JCTMJDDB, for the MJD on the work queue
Location:	The MJD originally resides in the address space of the caller. If TQI is active, the MJD is also written to the TQI checkpoint data set. BDT reads it and writes it to the BDT work queue, where it stays while the job is active. The accounting driver processes it on the work queue after the job is purged.

```
OFFSETS      TYPE        LENGTH    NAME         DESCRIPTION

      BDT MASTER JOB DEFINITION CONTROL BLOCK
      FIXED PART OF THE MJD
0     (0)    FIXED       4         MJDID        CONTROL BLOCK IDENTIFIER
4     (4)    CHARACTER   4         MJDVER#      BDT VERSION NUMBER
8     (8)    FIXED       2         MJDFXDLN     LENGTH OF FIXED PART OF THE
                                                   MJD
10    (A)    FIXED       2         MJDTOTLN     TOTAL LENGTH OF THE MJD
12    (C)    FIXED       2         MJDFRCPD     SOURCE CKPT AREA DISPLACEMENT
14    (E)    FIXED       2         MJDFRCPL     SOURCE CKPT AREA LENGTH

             ....  11..            MJDFRCP        "MJDFRCPD,*-MJDFRCPD,C'H'"

16    (10)   FIXED       2         MJDTOCPD     DESTINATION CKPT AREA
                                                  DISPLACEMENT
18    (12)   FIXED       2         MJDTOCPL     DESTINATION CKPT AREA LENGTH

             ...1  ....            MJDTOCP        "MJDTOCPD,*-MJDTOCPD,C'H'"
             ....  11..            MJDCP          "MJDFRCPD,*-MJDFRCPD,C'H'"
             ..1.  .1..            MJDCKDEF       "36" DEFAULT DAP CHECKPOINT
                                                  LEN.

20    (14)   CHARACTER   8         MJDJOBNM     JOB NAME

      JOB PRIORITY AND LOCATION INFORMATION
28    (1C)   ADDRESS     1         MJDPRTY      JOB PRIORITY
29    (1D)   CHARACTER   8         MJDLOC       LOCATION
29    (1D)   CHARACTER   8         MJDFRLOC     SOURCE LOCATION
37    (25)   CHARACTER   8         MJDTOLOC     DESTINATION LOCATION

      DAP INFORMATION
45    (2D)   CHARACTER   8         MJDDAP       DAP NAME
45    (2D)   CHARACTER   8         MJDFRDAP     SOURCE DAP NAME
53    (35)   CHARACTER   8         MJDTODAP     DESTINATION DAP NAME
61    (3D)   CHARACTER   4         MJDXHDR      CONTROL BLOCK ACRONYM
65    (41)   CHARACTER   4         MJDXREL      VERSION ID
69    (45)   ADDRESS     2         MJDXLEN      XOID LENGTH
71    (47)   BITSTRING   8         MJDXBSI      XACTION ORIGIN BDT SYS ID
79    (4F)   BITSTRING   8         MJDXBSN      XACTION ORIGIN BDT SYS NAME
```

```
      TRANSACTION ORIGIN TYPE
87    (57)   BITSTRING   1         MJDXTYP      XACTION ORIGIN TYPE

             ....  ...1            MJDTSO         "1" TSO USER
             ....  ..1.            MJDJES         "2" JES CONSOLE
             ....  ..11            MJDBTCH        "3" BATCH JOB
             ....  .1..            MJDMCS         "4" MCS CONSOLE
             ....  .1.1            MJDLOG         "5" JOB MESSAGE LOG
             ....  .11.            MJDFCT         "6" BDT FCT
             ....  .111            MJDJMC         "7" JES MESSAGE CLASS
             ....  1...            MJDRDEV        "8" BEGIN DEVELOPMENT
                                                  DEFINED XOIDXTYP
             1...  ....            MJDUSER        "128" BEGIN USER DEFINED
                                                  XOIDXTYP

      FLAG 1 DEFINITION
88    (58)   BITSTRING   1         MJDXFL1      XOID FLAG 1

             1...  ....            MJDXMCL        "BIT0" SUPPRESSION OF
                                                  MESSAGE CLASS
             .1..  ....            MJDX1R1        "BIT1" RESERVED
             ..1.  ....            MJDX1R2        "BIT2" RESERVED
             ...1  ....            MJDX1R3        "BIT3" RESERVED
             ....  1...            MJDX1R4        "BIT4" RESERVED
             ....  .1..            MJDX1R5        "BIT5" RESERVED
             ....  ..1.            MJDX1R6        "BIT6" RESERVED
             ....  ...1            MJDX1R7        "BIT7" RESERVED

      MISCELLANEOUS INFORMATION
89    (59)   CHARACTER   8         MJDXDDN      TRANSACTION ORIGIN DDNAME
89    (59)   CHARACTER   8         MJDUSID      TSO USERID
89    (59)   CHARACTER   8         MJDCNDD      JES CONSOLE DDNAME
89    (59)   CHARACTER   8         MJDJCLS      JES MESSAGE CLASS
89    (59)   CHARACTER   8         MJDBJNM      BATCH JOB NAME
89    (59)   ADDRESS     1         MJDMCSI      MCS CONSOLE ID
89    (59)   BITSTRING   2         MJDBJNO      BDT JOB NUMBER
89    (59)   BITSTRING   8         MJDDDRS      DDNAME

      RESERVED FIELDS
97    (61)   BITSTRING   4         MJDXRD2      RESERVED
101   (65)   BITSTRING   4         MJDXRD3      RESERVED
105   (69)   BITSTRING   4         MJDXRS1      RESERVED
109   (6D)   BITSTRING   4         MJDXRS2      RESERVED
113   (71)   BITSTRING   4         MJDXRU1      RESERVED
117   (75)   BITSTRING   4         MJDXRU2      RESERVED

             .1.1  1.1.            MJDMCSA        MCS CONSOLE UX28 AUTH
             .111  1..1            MJDXEND        END OF XOID
             ..11  11.1            MJDXOID        XOID EQUATE
             .1..  .111            MJDXALL        BSI EQUATE

      TRANSACTION CODE
121   (79)   CHARACTER   8         MJDXCODE     TRANSACTION CODE
129   (81)   BITSTRING   1         MJDFLAG1     FLAGS

             ..1.  ....            MJDHOLD        "X'20'" QUEUE JOB IN
                                                  OPERATOR HOLD STATUS

130   (82)   FIXED       2         MJDFRNTU     NUMBER OF SOURCE TEXT UNITS
132   (84)   FIXED       2         MJDTONTU     NUMBER OF DESTINATION TEXT
                                                  UNITS
134   (86)   FIXED       2         MJDNETHC     NET HOLD COUNT

      INFORMATION PERTAINING TO THE JOB
136   (88)   FIXED       4         MJDTIME      JOB TIME LIMIT .01 SEC
140   (8C)   BITSTRING   4         MJDJST       JOB ENTER TIME .01 SEC
144   (90)               4         MJDJSD       JOB ENTER DATE 00YYDDDF

      INFORMATION PERTAINING TO EXECUTION
148   (94)   BITSTRING   4         MJDXST       EXECUTION START TIME
152   (98)               4         MJDXSD       EXECUTION START DATE

             1..1  .1..            MJDXSTD        "MJDXST,*-MJDXST,C'X'"
```

```
156   (9C)   BITSTRING   4         MJDXPT       EXECUTION STOP TIME
160   (A0)               4         MJDXPD       EXECUTION STOP DATE

      NUMBER OF BYTES TRANSFERRED AND PRIORITY
164   (A4)   FIXED       4         MJDBTYPES    BYTES TRANSFERRED
168   (A8)   BITSTRING   1         MJDXPRTY     EXECUTION PRIORITY

      'FROM' AND 'TO' VOLSEQ
169   (A9)   BITSTRING   1         MJDFRVSQ     'FROM' VOLSEQ
170   (AA)   BITSTRING   1         MJDTOVSQ     'TO' VOLSEQ

      USER EXIT 27 STATUS FLAG
171   (AB)   BITSTRING   1         MJDTOFRM     UX27 STATUS FLAG

             1...  ....           MJDTO          "BIT0" UX27 ENTERED FOR TO
                                                 SIDE
             .1..  ....           MJDFROM        "BIT1" UX27 ENTERED FOR
                                                  FROM SIDE
             ..1.  ....           MJDTOFR1       "BIT2" RESERVED
             ...1  ....           MJDTOFR2       "BIT3" RESERVED
             ....  1...           MJDTOFR3       "BIT4" RESERVED
             ....  .1..           MJDTOFR4       "BIT5" RESERVED
             ....  ..1.           MJDTOFR5       "BIT6" RESERVED
             ....  ...1           MJDTOFR6       "BIT7" RESERVED

172   (AC)   BITSTRING   11        MJDRESV1     RESERVED

      FROM CPU INFORMATION
184   (B8)   FIXED       4         MJDFRCPU     FROM CPU TIME .01 SEC
188   (BC)   FIXED       4         MJDFRCPF     FROM CPU FACTOR
192   (C0)   BITSTRING   4         MJDFRCID     FROM CPU ID

             1.11  1...           MJDCPULN       "MJDFRCPU,*-MJDFRCPU,C'X'"

      TO CPU INFORMATION
196   (C4)   FIXED       4         MJDTOCPU     TO CPU TIME .01 SEC
200   (C8)   FIXED       4         MJDTOCPF     TO CPU FACTOR
204   (CC)   BITSTRING   4         MJDTOCID     TO CPU ID

             1..1  11..           MJDEXECD       "MJDXPT,*-MJDXPT,C'X'"

      NET ID AND JES JOB NUMBER
208   (D0)   CHARACTER   8         MJDNETID     NET ID
216   (D8)   FIXED       2         MJDJESJN     JES JOB NUMBER (TRANSACTION
                                                   ORIGIN)

      USER FLAG FIELDS
218   (DA)   BITSTRING   1         MJDUFLG1     USER FLAG1
219   (DB)   BITSTRING   1         MJDUFLG2     USER FLAG2

      ADDITIONAL JOB IDENTIFICATION INFORMATION FOR NJE
220   (DC)   CHARACTER   16        MJDJSINF     JES3 GROUP ID AND GROUP ID
220   (DC)   CHARACTER   8         MJDJESNR     JES3 JOB NUMBER
228   (E4)   CHARACTER   8         MJDGRPID     JES3 GROUP ID

      NJE FLAG FIELD DEFINITION INFORMATION FOR NJE
236   (EC)   BITSTRING   1         MJDNFLG1     NJE FLAG

             1...  ....           MJDNJOB        "BIT0" NJE JOB REQUEST
             .1..  ....           MJDNSOUT       "BIT1" NJE SYSOUT REQUEST
             ..1.  ....           MJDNF1R1       "BIT2" RESERVED
             ...1  ....           MJDNF1R2       "BIT3" RESERVED
             ....  1...           MJDNF1R3       "BIT4" RESERVED
             ....  .1..           MJDNF1R4       "BIT5" RESERVED
             ....  ..1.           MJDNF1R5       "BIT6" RESERVED
             ....  ...1           MJDNF1R6       "BIT7" RESERVED

      NJE ACCOUNTING INFORMATION
237   (ED)   CHARACTER   2         MJD59NJT     JOB TYPE
237   (ED)   CHARACTER             MJD59JB      "C'JB'" DATA IS A JOB STREAM
237   (ED)   CHARACTER             MJD59OP      "C'OP'" DATA IS COMPLETED
                                                   SYSOUT
```

```
239   (EF)   BITSTRING   2         MJD59NUM     ORIGINAL JOB NUMBER
241   (F1)   CHARACTER   8         MJD59NAN     NETWORK ACCOUNT NUMBER
249   (F9)   CHARACTER   8         MJD59NAM     ORIGINAL JOB NAME
257   (101)  CHARACTER   8         MJD59NUI     NOTIFY USER ID
265   (109)  BITSTRING   8         MJD59NTD     JOB ENTRY DATE/ORIGIN TIME
                                                  STAMP
273   (111)  CHARACTER   8         MJD59XQN     EXECUTION NODE NAME
281   (119)  CHARACTER   8         MJD59XQU     EXECUTION USER ID
289   (121)  CHARACTER   20        MJD59NPN     PROGRAMMER'S NAME
309   (135)  CHARACTER   8         MJD59NPR     PROGRAMMER'S ROOM NUMBER
317   (13D)  CHARACTER   8         MJD59NPD     PROGRAMMER'S DEPT NUMBER
325   (145)  CHARACTER   8         MJD59NPB     PROGRAMMER'S BUILDING NUMBER
333   (14D)  CHARACTER   8         MJD59NR1     RESERVED
341   (155)  CHARACTER   8         MJD59NR2     RESERVED
352   (160)  FIXED       4

            ....  ....            MJDFIXD        "MJDSTART,*-MJDSTART,C'X'"
```

```
      VARIABLE PART OF THE MJD
352   (160)  FIXED       4         MJDTEXTU     TEXT UNITS
```

```
      BDT TEXT UNIT KEY VALUES
      NON-GENERIC KEY VALUES (MAY BE SPECIFIED ON
      SOURCE AND DESTINATION - SHOULD BE UNIQUE FROM
      DYNAMIC ALLOCATION KEYWORD VALUES)
            ....  ...1            BTUMNNG        "1" MINIMUM NON GENERIC KEY
                                                 VALUE
```

```
      KEYS 200-220 ARE FOR USE BY THE USER ONLY.
            1111  1...            BTUPRFX        "248" TSO USER DSN PREFIX
            1111  1..1            BTUSECP        "249" RACF PASSWORD
                                                 PARAMETER
            1111  1.1.            BTUSECG        "250" RACF GROUP PARAMETER
            1111  1.11            BTUSECU        "251" RACF USER PARAMETER
            1111  11..            BTULOC         "252" LOCATION
            1111  11.1            BTUDAP         "253" DAP
            1111  111.            BTUUSER        "254" USER PARAMETER
            1111  1111            BTUBDTNQ       "255" BDT DATA SET ENQUEUE
                                                 TYPE
352   (160)  FIXED       4         BTUMXNG      "256" MAXIMUM NON GENERIC KEY
                                                VALUE
```

```
      GENERIC KEY VALUES (MAY BE SPECIFIED ONLY ONCE
      PER TRANSACTION)
352   (160)  FIXED                 BTUMNG       "257" MINIMUM GENERIC KEY
                                                   VALUE
352   (160)  FIXED                 BTUJOB       "257" JOB NAME
352   (160)  FIXED                 BTUACCT      "258" ACCOUNTING PARAMETERS
352   (160)  FIXED                 BTUPGMR      "259" PROGRAMMER NAME
352   (160)  FIXED                 BTUNETID     "260" NET ID
352   (160)  FIXED                 BTUNETHC     "261" NET HOLD COUNT
352   (160)  FIXED                 BTUNETRL     "262" NET RELEASE
352   (160)  FIXED                 BTUPRTY      "263" JOB PRIORITY
352   (160)  FIXED                 BTUTIME      "264" JOB TIME LIMIT
352   (160)  FIXED                 BTUGMJD      "265" USER SPECIFIED GMJD
                                                   LIBRARY
352   (160)  FIXED                 BTUMSGCL     "266" MESSAGE CLASS
352   (160)  FIXED                 BTUHOLD      "267" JOB HOLD
352   (160)  FIXED                 BTUFAIL      "268" FAILURE OPTION
352   (160)  FIXED                 BTUDUMP      "269" DUMP OPTION
352   (160)  FIXED                 BTUNETCN     "270" NORMAL NET CONDITIONAL
                                                   RELEASE
352   (160)  FIXED                 BTUNETCA     "271" ABNORMAL NET
                                                   CONDITIONAL RELEASE
352   (160)  FIXED                 BTUCSOPT     "272" COMPRESSION OPTION
352   (160)  FIXED                 BTUSYSTM     "273" BDT SUBSYSTEM ID
352   (160)  FIXED                 BTUDEFU      "274" RACF DEFAULT USER
352   (160)  FIXED                 BTUDEFG      "275" RACF DEFAULT
352   (160)  FIXED                 BTUDEFP      "276" RACF DEFAULT PASSWORD
```

```
      KEYS 491-511 ARE FOR USE BY THE USER ONLY.
            ....  ....            BTURACP0       "0" RACF PASSWORD 'OPEN'
                                                 CODE
            ....  ...1            BTURACP1       "1" RACF PASSWORD 'ENCRYPT'
                                                 CODE
            ....  ..1.            BTURACP2       "2" RACF PASSWORD 'IN
                                                 CLEAR' CODE
```

```
352   (160)  FIXED                BTUMXG       "512" MAXIMUM GENERIC KEY
                                                 VALUE

      SPECIAL KEY VALUES
352   (160)  BITSTRING            BTUEOTU      "X'FFFF'" END OF TEXT UNITS

      D.A AND BDT TEXT UNIT PARAMETER VALUE EQUATES
            ....  1...           BTUNQSHR       "X'08'" BDTENQ(SHR)
            ....  ...1           BTUNQOLD       "X'01'" BDTENQ(OLD)
            ....  ...1           BTUNQEXC       "BTUNQOLD" BDTENQ(EXC)
            1...  ....           BTUCSNJE       "X'80'" CSOPT(NJEDUP|NJE)
            .1..  ....           BTUCSREP       "X'40'" CSOPT(REPDUP)
            .1..  ....           BTUCSDUP       "BTUCSREP" CSOPT(DUP)
            ....  ..11           BTUDEN0        "X'03'" DEN(0) (7 TRACK,
                                                200 BPI)
            .1..  ..11           BTUDEN1        "X'43'" DEN(1) (7 TRACK,
                                                556 BPI)
            1...  ..11           BTUDEN2        "X'83'" DEN(2) (7/9 TRACK,
                                                800 BPI)
            11..  ..11           BTUDEN3        "X'C3'" DEN(3) (9 TRACK,
                                                1600 BPI)
            11.1  ..11           BTUDEN4        "X'D3'" DEN(4) (9 TRACK,
                                                6250 BPI)
            ....  ...1           BTUUNCAT       "X'01'" DISP(UNCATLG)
            ....  ..1.           BTUCATAL       "X'02'" DISP(CATLG)
            ....  ..1.           BTUCATLG       "X'02'" DISP(CATLG)
            ....  .1..           BTUDELET       "X'04'" DISP(DELETE)
            ....  1...           BTUKEEP        "X'08'" DISP(KEEP)
352   (160)  BITSTRING             BTUPO       "X'0200'" DSORG(PO)
352   (160)  BITSTRING             BTUPS       "X'4000'" DSORG(PS)
            ....  ...1           BTUNL          "X'01'" LABEL(NL)
            ....  ..1.           BTUSL          "X'02'" LABEL(SL)
            ....  .1..           BTUNSL         "X'04'" LABEL(NSL)
            ....  1.1.           BTUSUL         "X'0A'" LABEL(SUL)
            ...1  ....           BTUBLP         "X'10'" LABEL(BLP)
            ..1.  ...1           BTULTM         "X'21'" LABEL(LTM)
            .1..  ....           BTUAL          "X'40'" LABEL(AL)
            .1..  1...           BTUAUL         "X'48'" LABEL(AUL)
352   (160)  BITSTRING             BTULRECX    "X'8000'" LRECL(X)
            1...  ....           BTUNETCD       "X'80'" NETCOND(DECREMENT)
            .1..  ....           BTUNETCF       "X'40'" NETCOND(FLUSH)
            ..1.  ....           BTUNETCR       "X'20'" NETCOND(RETAIN)
            ....  ..1.           BTURECMR       "X'02'" RECFM(M)
            ....  ..1.           BTURECR        "X'02'" RECFM(R)
            ....  .1..           BTURECA        "X'04'" RECFM(A)
            ....  .1..           BTURECG        "X'04'" RECFM(G)
            ....  1...           BTURECS        "X'08'" RECFM(S)
            ...1  ....           BTURECB        "X'10'" RECFM(B)
            ..1.  ....           BTURECD        "X'20'" RECFM(D)
            ..1.  ....           BTURECT        "X'20'" RECFM(T)
            .1..  ....           BTURECV        "X'40'" RECFM(V)
            1...  ....           BTURECF        "X'80'" RECFM(F)
            11..  ....           BTURECU        "X'C0'" RECFM(U)
            ....  ..1.           BTUALX         "X'02'" ALX
            ....  .1..           BTUMXIG        "X'04'" MXIG
            ....  1...           BTUCONTG       "X'08'" CONTIG
            ....  ...1           BTUOLD         "X'01'" OLD
            ....  ..1.           BTUMOD         "X'02'" MOD
            ....  .1..           BTUNEW         "X'04'" NEW
            ....  1...           BTUSHR         "X'08'" SHR
            ...1  ..11           BTUTRTC        "X'13'" TRTCH(C)
            ..1.  ..11           BTUTRTE        "X'23'" TRTCH(E)
            ..1.  1.11           BTUTRTET       "X'2B'" TRTCH(ET)
            ..11  1.11           BTUTRTT        "X'3B'" TRTCH(T)
```

CROSS REFERENCE

NAME	HEX OFFSET	HEX VALUE	LEVEL
BTUACCT	160	102	2
BTUAL	160	40	2
BTUALX	160	2	2
BTUAUL	160	48	2
BTUBDTNQ	160	FF	2
BTUBLP	160	10	2
BTUCATAL	160	2	2
BTUCATLG	160	2	2
BTUCONTG	160	8	2
BTUCSDUP	160	40	2

```
BTUCSNJE                160     80      2
BTUCSOPT                160     110     2
BTUCSREP                160     40      2
BTUDAP                  160     FD      2
BTUDEFG                 160     113     2
BTUDEFP                 160     114     2
BTUDEFU                 160     112     2
BTUDELET                160     4       2
BTUDEN0                 160     3       2
BTUDEN1                 160     43      2
BTUDEN2                 160     83      2
BTUDEN3                 160     C3      2
BTUDEN4                 160     D3      2
BTUDUMP                 160     10D     2
BTUEOTU                 160     FFFF    2
BTUFAIL                 160     10C     2
BTUGMJD                 160     109     2
BTUHOLD                 160     10B     2
BTUJOB                  160     101     2
BTUKEEP                 160     8       2
BTULOC                  160     FC      2
BTULRECX                160     8000    2
BTULTM                  160     21      2
BTUMNG                  160     101     2
BTUMNNG                 160     1       2
BTUMOD                  160     2       2
BTUMSGCL                160     10A     2
BTUMXG                  160     200     2
BTUMXIG                 160     4       2
BTUMXNG                 160     100     2
BTUNETCA                160     10F     2
BTUNETCD                160     80      2
BTUNETCF                160     40      2
BTUNETCN                160     10E     2
BTUNETCR                160     20      2
BTUNETHC                160     105     2
BTUNETID                160     104     2
BTUNETRL                160     106     2
BTUNEW                  160     4       2
BTUNL                   160     1       2
BTUNQEXC                160     1       2
BTUNQOLD                160     1       2
BTUNQSHR                160     8       2
BTUNSL                  160     4       2
BTUOLD                  160     1       2
BTUPGMR                 160     103     2
BTUPO                   160     200     2
BTUPRFX                 160     F8      2
BTUPRTY                 160     107     2
BTUPS                   160     4000    2
BTURACP0                160     0       2
BTURACP1                160     1       2
BTURACP2                160     2       2
BTURECA                 160     4       2
BTURECB                 160     10      2
BTURECD                 160     20      2
BTURECF                 160     80      2
BTURECG                 160     4       2
BTURECM                 160     2       2
BTURECR                 160     2       2
BTURECS                 160     8       2
BTURECT                 160     20      2
BTURECU                 160     C0      2
BTURECV                 160     40      2
BTUSECG                 160     FA      2
BTUSECP                 160     F9      2
BTUSECU                 160     FB      2
BTUSHR                  160     8       2
BTUSL                   160     2       2
BTUSUL                  160     A       2
BTUSYSTM                160     111     2
BTUTIME                 160     108     2
BTUTRTC                 160     13      2
BTUTRTE                 160     23      2
BTUTRTET                160     2B      2
BTUTRTT                 160     3B      2
BTUUNCAT                160     1       2
BTUUSER                 160     FE      2
MJDBJNM                 59              2
MJDBJNO                 59              2
MJDBTCH                 57      3       2
MJDBYTES                A4              2
```

MJDCKDEF	12	24	2
MJDCNDD	59		2
MJDCP	12	C	2
MJDCPULN	C0	B8	2
MJDDAP	2D		2
MJDDDRS	59	0	2
MJDEXECD	CC	9C	2
MJDFCT	57	6	2
MJDFIXD	160	0	2
MJDFLAG1	81		2
MJDFRCID	C0		2
MJDFRCP	E	C	2
MJDFRCPD	C		2
MJDFRCPF	BC		2
MJDFRCPL	E		2
MJDFRCPU	B8		2
MJDFRDAP	2D		2
MJDFRLOC	1D		2
MJDFRNTU	82		2
MJDFROM	AB	40	2
MJDFRVSQ	A9	0	2
MJDFXDLN	8		2
MJDGRPID	E4		2
MJDHOLD	81	20	2
MJDID	0	D4D1	2
MJDJCLS	59		2
MJDJES	57	2	2
MJDJESJN	D8		2
MJDJESNR	DC		2
MJDJMC	57	7	2
MJDJOBNM	14		2
MJDJSD	90		2
MJDJSINF	DC		2
MJDJST	8C		2
MJDLOC	1D		2
MJDLOG	57	5	2
MJDMCS	57	4	2
MJDMCSA	75	5A	2
MJDMCSI	59		2
MJDNETHC	86		2
MJDNETID	D0		2
MJDNFLG1	EC	0	2
MJDNF1R1	EC	20	2
MJDNF1R2	EC	10	2
MJDNF1R3	EC	8	2
MJDNF1R4	EC	4	2
MJDNF1R5	EC	2	2
MJDNF1R6	EC	1	2
MJDNJOB	EC	80	2
MJDNSOUT	EC	40	2
MJDPRTY	1C		2
MJDRDEV	57	8	2
MJDRESV1	AC		2
MJDTEXTU	160		2
MJDTIME	88		2
MJDTO	AB	80	2
MJDTOCID	CC		2
MJDTOCP	12	10	2
MJDTOCPD	10		2
MJDTOCPF	C8		2
MJDTOCPL	12		2
MJDTOCPU	C4		2
MJDTODAP	35		2
MJDTOFRM	AB	0	2
MJDTOFR1	AB	20	2
MJDTOFR2	AB	10	2
MJDTOFR3	AB	8	2
MJDTOFR4	AB	4	2
MJDTOFR5	AB	2	2
MJDTOFR6	AB	1	2
MJDTOLOC	25		2
MJDTONTU	84		2
MJDTOTLN	A		2
MJDTOVSQ	AA	0	2
MJDTSO	57	1	2
MJDUFLG1	DA		2
MJDUFLG2	DB		2
MJDUSER	57	80	2
MJDUSID	59		2
MJDVER#	4	F2F0	2
MJDXALL	75	47	2
MJDXBSI	47	0	2

```
MJDXBSN                 4F      0       2
MJDXCODE                79              2
MJDXDDN                 59              2
MJDXEND                 75      79      2
MJDXFL1                 58      0       2
MJDXHDR                 3D      E7D6    2
MJDXLEN                 45      3C      2
MJDXMCL                 58      80      2
MJDXOID                 75      3D      2
MJDXPD                  A0              2
MJDXPRTY                A8              2
MJDXPT                  9C              2
MJDXRD2                 61      0       2
MJDXRD3                 65      0       2
MJDXREL                 41      F1F0    2
MJDXRS1                 69      0       2
MJDXRS2                 6D      0       2
MJDXRU1                 71      0       2
MJDXRU2                 75      0       2
MJDXSD                  98              2
MJDXST                  94              2
MJDXSTD                 98      94      2
MJDXTYP                 57      0       2
MJDX1R1                 58      40      2
MJDX1R2                 58      20      2
MJDX1R3                 58      10      2
MJDX1R4                 58      8       2
MJDX1R5                 58      4       2
MJDX1R6                 58      2       2
MJDX1R7                 58      1       2
MJD59JB                 ED      D1C2    2
MJD59NAM                F9              2
MJD59NAN                F1              2
MJD59NJT                ED              2
MJD59NPB                145             2
MJD59NPD                13D             2
MJD59NPN                121             2
MJD59NPR                135             2
MJD59NR1                14D             2
MJD59NR2                155             2
MJD59NTD                109             2
MJD59NUI                101             2
MJD59NUM                EF              2
MJD59OP                 ED      D6D7    2
MJD59XQN                111             2
MJD59XQU                119             2
```

Chapter 11. Resident Logical Units Table — RLT

The resident logical units table (RLT) contains information about all the remote nodes with which your node can communicate, as well as information about your own node. There is one entry for each SNA session and for each BDT node defined by the BDTNODE initialization statement. Each entry for a session is associated with an entry for a node.

Function:	The RLT is used during session establishment to determine whether a node is defined in your network, and to access the session-related control blocks.
Macro ID:	BDTDRLT
DSECT name:	BDTSTART
Created by:	BDTINR2, at BDT initialization
Size:	Hex 54 bytes
Pointed to by:	LCBRLT, LCTRLT, and TVTRLTTB (beginning of session entries), TVTRSTPU (beginning of node entries) RLTNLPTR in the node RLT points to the corresponding session RLT entry; RLTNLPTR in the session RLT points to the corresponding node RLT entry.
Location:	The BDT address space

```
OFFSETS      TYPE        LENGTH    NAME         DESCRIPTION

      RESIDENT LOGICAL UNITS TABLE MAPPING MACRO
      CHANGE ACTIVITY
      $L1 = 2103400,HBD2103,840606,KDP1 REL 2.0
      RESIDENT BDT LINE/NODE LOGICAL UNITS TABLE ENTRY
0     (0)    CHARACTER   4         RLTHDR       CONTROL BLOCK ACRONYM
4     (4)    CHARACTER   4         RLTVER       VERSION RELEASE ID
8     (8)    ADDRESS     2         RLTLEN       LENGTH OF RLT SECTION
10    (A)    FIXED       2         RLTRSVD4     RESERVED
12    (C)    CHARACTER   8         RLTNAME      LINE/NODE DDNAME

             ....  1...            RLTPUNLN       "8" LENGTH OF BDT NODE NAME

20    (14)   CHARACTER   8         RLTPSWDR     RECEIVE PASSWORD IF A NODE
                                                   ENTRY

             ...1  .1..            RLTNODE        "RLTPSWDR" NODE NAME IF A
                                                  LINE ENTRY

28    (1C)   CHARACTER   8         RLTPSWDS     SEND PASSWORD IF A NODE ENTRY
36    (24)   CHARACTER   8         RLTLMODE     LOGMODE NAME
44    (2C)   ADDRESS     4         RLTLCTAD     LU LCTUNITS ADDRESS
48    (30)   ADDRESS     4         RLTNLPTR     MATCHING NODE/LINE RLT ADDR
52    (34)   ADDRESS     1         RLTNLU       TOTAL NUMBER OF LUS
53    (35)   ADDRESS     1         RLTCOMLU     NUMBER OF 'COM' LUS
54    (36)   FIXED       2         RLTACTLU     ACTIVE VLU COUNT
56    (38)   FIXED       4         RLTSF        BDT SELECTABLE FEATURES
60    (3C)   FIXED       2         RLTBLK       BUFSIZE

             1111  1111            RLTENDC        "X'FF'" END OF LIST
                                                  CHARACTER.
```

```
      RLTFLAG1 ENTRY FLAG DEFINITIONS
62    (3E)   BITSTRING   1         RLTFLAG1     ENTRY FLAG BITS

             1...  ....            RLTNJE         "BIT0" NODE TYPE IS NJE
             .1..  ....            RLTQPEND       "BIT1" QUIESCE IS PENDING
                                                  FOR THIS NODE
             ..1.  ....            RLTACT         "BIT2" LINE/NODE CURRENTLY
                                                  ACTIVE
             ...1  ....            RLTLINE        "BIT3" SNA LINE ENTRY
             ....  1...            RLTLOCAL       "BIT4" TYPE=LOCAL
                                                  (RELATIONSHIP)
             ....  .1..            RLTFL1R3       "BIT5" RESERVED
```

```
            ....  ..1.            RLTSIGN         "BIT6" AUTO LOGON (AUTO
                                                  START)
            ....  ...1            RLTFL1R4        "BIT7" RESERVED
```

```
      RLTFLAG2 ENTRY FLAG DEFINITIONS
63    (3F)   BITSTRING   1         RLTFLAG2     ENTRY FLAG BITS

            1...  ....            RLTFL2R1        "BIT0" RESERVED
            .1..  ....            RLTFL2R2        "BIT1" RESERVED
            ..1.  ....            RLTFL2R3        "BIT2" RESERVED
            ...1  ....            RLTFL2R4        "BIT3" RESERVED
            ....  1...            RLTFL2R5        "BIT4" RESERVED
            ....  .1..            RLTFL2R6        "BIT5" RESERVED
            ....  ..1.            RLTFL2R7        "BIT6" RESERVED
            ....  ...1            RLTOWNSY        "BIT7" NODE OWNER IS SYSTEM

64    (40)   FIXED       2         RLTCKPT      8K CKPT INTERVAL
66    (42)   FIXED       2         RLTBUFNO     VLU PACING WINDOW
```

```
      RLTCSOPT COMPRESSION FLAG DEFINITIONS
68    (44)   BITSTRING   1         RLTCSOPT     COMPRESSION OPTION FLAG

            1...  ....            RLTCNDUP        "BIT0" NJE DUPLICATE
                                                  COMPRESSION
            .1..  ....            RLTCRDUP        "BIT1" REPEATED DUP.
                                                  COMPRESSION
            ..1.  ....            RLTCSOR1        "BIT2" RESERVED
            ...1  ....            RLTCSOR2        "BIT3" RESERVED
            ....  1...            RLTCSOR3        "BIT4" RESERVED
            ....  .1..            RLTCSOR4        "BIT5" RESERVED
            ....  ..1.            RLTCSOR5        "BIT6" RESERVED
            ....  ...1            RLTCSOR6        "BIT7" RESERVED
```

```
      RLTASRFG FLAG DEFINITIONS
69    (45)   BITSTRING   1         RLTASRFG     ASR ENABLED

            1...  ....            RLTASRON        "BIT0" ASR ENABLED FLAG
            .1..  ....            RLTASRR1        "BIT1" RESERVED
            ..1.  ....            RLTASRR2        "BIT2" RESERVED
            ...1  ....            RLTASRR3        "BIT3" RESERVED
            ....  1...            RLTASRR4        "BIT4" RESERVED
            ....  .1..            RLTASRR5        "BIT5" RESERVED
            ....  ..1.            RLTASRR6        "BIT6" RESERVED
            ....  ...1            RLTASRR7        "BIT7" RESERVED

70    (46)   FIXED       2         RLTLIMIT     RESTART LIMIT
72    (48)   ADDRESS     1         RLTLUFR      NUMBER OF LU'S FENCED 'FROM'
73    (49)   ADDRESS     1         RLTLUTO      NUMBER OF LU'S FENCED 'TO'
74    (4A)   BITSTRING   1         RLTFRCNT     FROM LU COUNT
75    (4B)   BITSTRING   1         RLTTOCNT     TO LU COUNT
```

```
      USER FLAG DEFINITIONS
76    (4C)   BITSTRING   1         RLTFLAGU     USER FLAGS

            1...  ....            RLTFLAR1        "BIT0" RESERVED
            .1..  ....            RLTFLAR2        "BIT1" RESERVED
            ..1.  ....            RLTFLAR3        "BIT2" RESERVED
            ...1  ....            RLTFLAR4        "BIT3" RESERVED
            ....  1...            RLTFLAR5        "BIT4" RESERVED
            ....  .1..            RLTFLAR6        "BIT5" RESERVED
            ....  ..1.            RLTFLAR7        "BIT6" RESERVED
            ....  ...1            RLTFLAR8        "BIT7" RESERVED

77    (4D)   BITSTRING   1         RLTRSVU7     RESERVED
80    (50)   FIXED       4         RLTRSVD5     RESERVED
84    (54)   FIXED       4         RLTEND       RESIDENT BDT ENTRY END
84    (54)   CHARACTER   1         RLTSIZE      RESIDENT BDT ENTRY SIZE
```

Chapter 12. Sequential Transfer Data Area — SEQ

The SEQ is the data CSECT used by the SEQ dynamic application program (DAP) in the file-to-file copying of sequential data sets.

Function:	The SEQ is used as a work area in the file-to-file copying of sequential data sets.
Macro ID:	BDTDSEQ
DSECT name:	BDTSEQD
Created by:	BDTSEQD
Size:	Hex 84E bytes
Location:	Subpool 251

```
      DATA CSECT FOR BDTSEQ

      LOCAL DATA SET CONTROL BLOCK HEADER
0     (0)    CHARACTER   4         SEQHDR       CONTROL BLOCK ACRONYM SEQ
4     (4)    CHARACTER   4         SEQREL       VERSION RELEASE ID
8     (8)    ADDRESS     2         SEQLEN       LENGTH OF SEQ CONTROL BLOCK

      LENGTH FIELDS
10    (A)    ADDRESS     2         SEQLENCK     LENGTH OF CHECKPOINT RECORD
12    (C)    ADDRESS     2         SEQDBLEN     LENGTH OF DCB
14    (E)    ADDRESS     2         SEQRSVD1     RESERVED

      I/O BUFFER DEFINITION
16    (10)   ADDRESS     4         SEQBUFAD       I/O BUFFER ADDRESS
20    (14)   ADDRESS     4         SEQBUFSZ       I/O BUFFER SIZE
24    (18)   ADDRESS     4         SEQEOBAD       END OF BLOCK ADDRESS
28    (1C)   ADDRESS     4         SEQNLRAD       ADDR OF NEXT LOGICAL RECORD
32    (20)   ADDRESS     4         SEQLRWRT       LOGICAL RECORDS WRITTEN
36    (24)   BITSTRING   1         SEQRSVU1       RESERVED

      LOCAL DATA SET RECORDING FLAG DEFINITION
39    (27)   BITSTRING   1         SEQRECFM       LOCAL DATA SET RECORDING
                                                    FORMAT

             1...  ....           SEQFECR1         "BIT0" RESERVED
             .1..  ....           SEQFECR2         "BIT1" RESERVED
             ..1.  ....           SEQFMBLK         "BIT2" BLOCKED RECORDS
             ...1  ....           SEQFMVL          "BIT3" VARIABLE LENGTH
                                                   RECORDS
             ....  1...           SEQFMUR          "BIT4" UNDEFINED RECORDS
             ....  .1..           SEQFECR3         "BIT5" RESERVED
             ....  ..1.           SEQFECR4         "BIT6" RESERVED
             ....  ...1           SEQFECR5         "BIT7" RESERVED

40    (28)   ADDRESS     4         SEQRSVD2       RESERVED

      CHECKPOINT DATA
44    (2C)   FIXED       4         SEQCKPTD       CHECKPOINT DATA AREA
44    (2C)   ADDRESS     2         SEQCKLEN       LENGTH OF CHECKPOINT RECORD
46    (2E)   ADDRESS     2         SEQCKNLR       NEXT LOGICAL RECORD
                                                    DISPLACEMENT
48    (30)   ADDRESS     4         SEQCKNOT       BSAM NOTE INFORMATION
52    (34)   ADDRESS     4         SEQCKCLR       CURRENT LOGICAL RECD NUMBER

      CHECKPOINT FLAG DEFINITION
56    (38)   BITSTRING   1         SEQCKFLG       CHECKPOINT FLAGS

             1...  ....           SEQQFCKPT        "BIT0" CHECKPOINT OPTION
                                                   SELECTED
             .1..  ....           SEQFCKIB         "BIT1" CURRENT BLOCK IS
                                                   INCOMPLETE
             ..1.  ....           SEQFCKSO         "BIT2" DEST IS SYSOUT DATA
```

```
                                                    SET
            ...1  ....            SEQFCKPD          "BIT3" DESTINATION IS
                                                    MEMBER OF PDS
            ....  1...            SEQFCKDD          "BIT4" DESTINATION IS A
                                                    DUMMY DS
            ....  .1..            SEQFCFR1         "BIT5" RESERVED
            ....  ..1.            SEQFCFR2         "BIT6" RESERVED
            ....  ...1            SEQFCFR3         "BIT7" RESERVED

57    (39)   BITSTRING   1         SEQCKRU2       RESERVED
60    (3C)   ADDRESS     4         SEQCKRD3       RESERVED

            ..1.  11..            SEQCKREC         CHECKPOINT RECORD

64    (40)   FIXED       4         SEQCKTEM       FULLWORD ALIGNMENT
```

```
   NEXT VALUE REPRESENTS ACTUAL CHECKPOINT AREA ALLOCATED IN MJD
            ..1.  .1..            SEQCKMAX          "36" MJD DEFAULT LENGTH
                                                    MJDCKDEF
```

```
      SUPERSCAN PARAMETER LIST
64    (40)   FIXED       4         SEQSUPC
```

```
      DEFINITION OF SUPCFLG1 FIELD
64    (40)   BITSTRING   1         SEQFLG1        FLAGS

            1...  ....            SEQNUMR           "BIT0" PARAMETER MAY
                                                    CONTAIN NUMERICS
            .1..  ....            SEQALPH           "BIT1" PARAMETER MAY
                                                    CONTAIN ALPHABETICS
            ..1.  ....            SEQNATL           "BIT2" PARAMETER MAY
                                                    CONTAIN NATIONAL CHARS
            ...1  ....            SEQHEX            "BIT3" PARAMETER MAY
                                                    CONTAIN HEX CHARACTERS
            ....  1...            SEQDSN            "BIT4" PARAMETER IS TO BE
                                                    INTERPRETED AS DS
            ....  .1..            SEQKEYW           "BIT5" KEYWORD PARAMETER IS
                                                    PERMISSIBLE
            ....  ..1.            SEQSUBL           "BIT6" SUBLIST PARAMETER IS
                                                    PERMISSIBLE
            ....  ...1            SEQRSCN           "BIT7" THIS IS A RE SCAN OF
                                                    PREVIOUS PARM
```

```
      DATA RESTRICTIONS EXIST
            1111  1...            SEQRSTR
                                                            "SEQNUMR+SEQALPH+S
                                                    EQNATL+SEQHEX+SEQDSN"
```

```
      DEFINITION OF SUPCFLG2 FIELD
65    (41)   BITSTRING   1         SEQFLG2        FLAGS

            1...  ....            SEQBIN            "BIT0" TARGET AREA TYPE
                                                    ATTRIBUTE IS BINARY
            .1..  ....            SEQPACK           "BIT1" TARGET AREA TYPE
                                                    ATTRIBUTE IS 'PACKED
                                                    DECIMAL'
            ..1.  ....            SEQSTDA           "BIT2" SUPRSCAN IS BEING
                                                    INVOKED AS A STAND ALONE
                                                    FUNCTION
            ...1  ....            SEQQUOT           "BIT3" QUOTED STRING IS
                                                    PERMISSIBLE
            ....  1...            SEQKERR           "BIT4" KEYWORD FOUND IN
                                                    ERROR
            ....  .1..            SEQF2R1           "BIT5" RESERVED
            ....  ..1.            SEQF2R2           "BIT6" RESERVED
            ....  ...1            SEQF2R3           "BIT7" RESERVED
```

```
      LENGTH DEFINITIONS
66    (42)   ADDRESS     1         SEQMINL        MINIMUM PARAMETER LENGTH
67    (43)   ADDRESS     1         SEQMAXL        MAXIMUM PARAMETER LENGTH
68    (44)   ADDRESS     1         SEQTRGL        LENGTH OF TARGET AREA
```

```
      RESERVED
69    (45)   ADDRESS     3         SEQRSV1        RESERVED
```

```
      TARGET AREA ADDRESS
72    (48)   ADDRESS     4         SEQTRGA        ADDRESS OF TARGET AREA

      PARAMETER VALUES
76    (4C)   ADDRESS     4         SEQMINV        MINIMUM PARAMETER VALUE
80    (50)   ADDRESS     4         SEQMAXV        MINIMUM PARAMETER VALUE

      LENGTH OF THE KEYWORD AND PARAMETER
84    (54)   ADDRESS     1         SEQKEYL        LENGTH OF KEYWORD
85    (55)   ADDRESS     1         SEQPRML        LENGTH OF PARAMETER

      RESERVED
86    (56)   ADDRESS     2         SEQRSV2        RESERVED

      ADDRESSES OF THE KEYWORD AND PARAMETER
88    (58)   ADDRESS     4         SEQKEYA        ADDRESS OF KEYWORD
92    (5C)   ADDRESS     4         SEQPRMA        ADDRESS OF PARAMETER

      ADDITIONAL INFORMATION
96    (60)   ADDRESS     2         SEQDSNL        NUMBER OF DSN INDEX LEVELS
98    (62)   ADDRESS     2         SEQDSNG        RELATIVE GENERATION NUMBER

      INPUT CONSOLE MESSAGE AREA
                    MAP BDT CONSOLE BUFFER AREAS
      CONSOLE MESSAGE AREA
100   (64)   FIXED       4         CONSMESS       CONSOLE MESSAGE AREA

      SUPERSCAN FLAG
100   (64)   BITSTRING   1         CONSFLGS       FLAG (USED BY SUPRSCAN)

      AUTHORITY LEVEL
101   (65)   BITSTRING   1         CONSAUTH       AUTHORITY LEVEL
102   (66)   CHARACTER   4         CONSXHDR       CONTROL BLOCK ACRONYM
106   (6A)   CHARACTER   4         CONSXREL       VERSION ID
110   (6E)   ADDRESS     2         CONSXLEN       XOID LENGTH
112   (70)   BITSTRING   8         CONSXBSI       XACTION ORIGIN BDT SYS ID
120   (78)   BITSTRING   8         CONSXBSN       XACTION ORIGIN BDT SYS NAME

      TRANSACTION ORIGIN TYPE
128   (80)   BITSTRING   1         CONSXTYP       XACTION ORIGIN TYPE

             ....  ...1           CONSTSO          "1" TSO USER
             ....  ..1.           CONSJES          "2" JES CONSOLE
             ....  ..11           CONSBTCH         "3" BATCH JOB
             ....  .1..           CONSMCS          "4" MCS CONSOLE
             ....  .1.1           CONSLOG          "5" JOB MESSAGE LOG
             ....  .11.           CONSFCT          "6" BDT FCT
             ....  .111           CONSJMC          "7" JES MESSAGE CLASS
             ....  1...           CONSRDEV         "8" BEGIN DEVELOPMENT
                                                   DEFINED XOIDXTYP
             1...  ....           CONSUSER         "128" BEGIN USER DEFINED
                                                   XOIDXTYP

      FLAG 1 DEFINITION
129   (81)   BITSTRING   1         CONSXFL1       XOID FLAG 1

             1...  ....           CONSXMCL         "BIT0" SUPPRESSION OF
                                                   MESSAGE CLASS
             .1..  ....           CONSX1R1         "BIT1" RESERVED
             ..1.  ....           CONSX1R2         "BIT2" RESERVED
             ...1  ....           CONSX1R3         "BIT3" RESERVED
             ....  1...           CONSX1R4         "BIT4" RESERVED
             ....  .1..           CONSX1R5         "BIT5" RESERVED
             ....  ..1.           CONSX1R6         "BIT6" RESERVED
             ....  ...1           CONSX1R7         "BIT7" RESERVED

      MISCELLANEOUS INFORMATION
130   (82)   CHARACTER   8         CONSXDDN       TRANSACTION ORIGIN DDNAME
130   (82)   CHARACTER   8         CONSUSID       TSO USERID
130   (82)   CHARACTER   8         CONSCNDD       JES CONSOLE DDNAME
```

```
130   (82)   CHARACTER   8         CONSJCLS       JES MESSAGE CLASS
130   (82)   CHARACTER   8         CONSBJNM       BATCH JOB NAME
130   (82)   ADDRESS     1         CONSMCSI       MCS CONSOLE ID
130   (82)   BITSTRING   2         CONSBJNO       BDT JOB NUMBER
130   (82)   BITSTRING   2         CONSDDRS       DDNAME

      RESERVED FIELDS
138   (8A)   BITSTRING   4         CONSXRD2       RESERVED
142   (8E)   BITSTRING   4         CONSXRD3       RESERVED
146   (92)   BITSTRING   4         CONSXRS1       RESERVED
150   (96)   BITSTRING   4         CONSXRS2       RESERVED
154   (9A)   BITSTRING   4         CONSXRU1       RESERVED
158   (9E)   BITSTRING   4         CONSXRU2       RESERVED

             1...  ..11           CONSMCSA         "CONSMCSI+1,1,C'C'" MCS
                                                   CONSOLE UX28 AUTH
             1.1.  ..1.           CONSXEND         END OF XOID
             .11.  .11.           CONSXOID         XOID EQUATE
             .111  ....           CONSXALL         BSI EQUATE

      MISCELLANEOUS
162   (A2)   BITSTRING   1         CONSIFLG       FLAGS

             1...  ....           CNIFLR1          "BIT0" RESERVED
             .1..  ....           CNIFLR2          "BIT1" RESERVED
             ..1.  ....           CNIFLR3          "BIT2" RESERVED
             ...1  ....           CNMULT           "BIT3" OPERAND SUBLIST
             ....  1...           CNBLEOD          "BIT4" BLANK IS EOD
             ....  .1..           CNIFLR4          "BIT5" RESERVED
             ....  ..1.           CNIFLR5          "BIT6" RESERVED
             ....  ...1           CNCOMMA          "BIT7" DELIMITER WAS COMMA

      CONSOLE MESSAGE AREA INFORMATION
163   (A3)   ADDRESS     1         CONCHRCT       CONSOLE MESSAGE AREA LENGTH
164   (A4)   ADDRESS     1         CONACTN        INPUT VERB ACTION CODE
165   (A5)   ADDRESS     1         CONSCAN        CURRENT SCAN DISPLACEMENT

      RESERVED
166   (A6)   ADDRESS     4         CONSRSD1       RESERVED
170   (AA)   ADDRESS     1         CONSRSD2       RESERVED
171   (AB)   ADDRESS     1         CONSRSS1       RESERVED
172   (AC)   ADDRESS     4         CONSRSS2       RESERVED

      MESSAGE TEXT
             .11.  .1..           CONSPRFX         CONS PREFIX LENGTH

176   (B0)   CHARACTER   1         CONMESSG       TEXT OF MESSAGE

             .11.  .1..           CONSAREA         CONS TOTAL LENGTH

      MISCELLANEOUS DATA
356   (164)  ADDRESS     4         SEQGSDAD       ADDRESS OF THE GSD

      OPERATING REGISTERS
360   (168)  FIXED       4         SEQREGS        OPERATING REGISTERS
360   (168)  ADDRESS     4         SEQR9          SECONDARY BASE REGISTER
364   (16C)  ADDRESS     4         SEQR10         PRIMARY BASE REGISTER
368   (170)  ADDRESS     4         SEQR11         ADDRESS OF DATA CSECT
372   (174)  ADDRESS     4         SEQR12         ADDRESS OF TVT
376   (178)  ADDRESS     4         SEQR13         ADDR OF REGISTER SAVE AREA

      INTERNAL SAVE AREA AND WORK AREA
380   (17C)  ADDRESS     4         SEQSVAR1       INTERNAL REGISTER SAVE AREA
396   (18C)  ADDRESS     4         SEQSVAR2       INTERNAL REGISTER SAVE AREA
404   (194)  BITSTRING   20        SEQSWORK       INTERNAL WORK AREA

      REMOTE DATA SET I/O BUFFER INFORMATION
424   (1A8)  ADDRESS     4         SEQRDSBA       REMOTE DATA SET I/O BUFFER
                                                     ADDRESS
428   (1AC)  ADDRESS     4         SEQRDSBS       REMOTE DATA SET I/O BUFFER
                                                     SIZE
432   (1B0)  ADDRESS     4         SEQDCBXL       DCB EXIT LIST
432   (1B0)  ADDRESS     1         SEQJBLTM       CODE = JFCB, LIST TERMINATOR
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433   (1B1)  ADDRESS     3         SEQJFCBA       JFCB BUFFER ADDRESS
436   (1B4)  ADDRESS     2         SEQRTNCD       RETURN CODE
438   (1B6)  BITSTRING   1         SEQPADVL       PADDING VAL TO BE USED WHEN
                                                    LRECL EXPANSION IS
                                                    REQUIRED

      PROCESSING FLAG 1 DEFINITION
439   (1B7)  BITSTRING   1         SEQFLGS1       PROCESSING FLAGS

             1...  ....           SEQF1LSR         "BIT0" SOURCE DATA SET IS
                                                   LOCAL
             .1..  ....           SEQF1LDS         "BIT1" DEST DATA SET IS
                                                   LOCAL
             ..1.  ....           SEQF1CIP         "BIT2" CHECKPOINT IS
                                                   PROCESS
             ...1  ....           SEQF1DXS         "BIT3" DATA TRANSFER
                                                   STARTED
             ....  1...           SEQF1DXC         "BIT4" DATA TRANSFER
                                                   COMPLETE
             ....  .1..           SEQF1CWM         "BIT5" CKPOINT WARNING MSG
                                                   ISSUED
             ....  ..1.           SEQF1PRM         "BIT6" RECEIVER PROCESSING
                                                   USER PARM ON FROM SIDE
             ....  ...1           SEQF1NCL         "BIT7" PREVENT CLOSE OF
                                                   DATASET
             1...  ....           SEQF1SND         "SEQF1LSR" WE ARE THE
                                                   SENDER
             .1..  ....           SEQF1RCV         "SEQF1LDS" WE ARE THE
                                                   RECEIVER

      PROCESSING FLAG 2 DEFINITION
440   (1B8)  BITSTRING   1         SEQFLGS2       PROCESSING FLAGS

             1...  ....           SEQF2PAD         "BIT0" PADDING VALUE
                                                   SPECIFIED
             .1..  ....           SEQMSGA          "BIT1" DISPLAY ALL MESSAGES
             ..1.  ....           SEQMSGS          "BIT2" DISPLAY STATUS
                                                   MESSAGES ONLY
             ...1  ....           SEQF2RS1         "BIT3" RESERVED
             ....  1...           SEQF2RS2         "BIT4" RESERVED
             ....  .1..           SEQF2RS3         "BIT5" RESERVED
             ....  ..1.           SEQF2RS4         "BIT6" RESERVED
             ....  ...1           SEQF2RS5         "BIT7" RESERVED

441   (1B9)  CHARACTER   80        SEQJ2DEL       JES2 'DELETE' CONTROL CARD

      MESSAGES ISSUED BY BDTSEQ
521   (209)  ADDRESS     1         SEQ00001
522   (20A)  CHARACTER   12        SEQ01TXT
534   (216)  CHARACTER   44        SEQ01DSN
578   (242)  CHARACTER   7
585   (249)  CHARACTER   2         SEQ01FX

585   (249)                        SEQ01VX        "SEQ01FX,2,C'C'"
585   (249)                        SEQ01U         "SEQ01FX,2,C'C'"
585   (249)                        SEQ01B         "SEQ01FX+1,1,C'C'"

587   (24B)  CHARACTER   7
594   (252)  CHARACTER   5         SEQ01LRL
599   (257)  CHARACTER   9
608   (260)  CHARACTER   5         SEQ01BSZ

608   (260)                        SEQ01END

613   (265)  ADDRESS     1         SEQ0002
614   (266)  CHARACTER   30        SEQ02TXT

614   (266)                        SEQ02END

644   (284)  ADDRESS     1         SEQ0003
645   (285)  ADDRESS     38        SEQ03TXT

645   (285)                        SEQ03END

683   (2AB)  ADDRESS     1         SEQ0004
684   (2AC)  CHARACTER   8         SEQ04TXT
692   (2B4)  CHARACTER   10        SEQ04RCD       OY00613
702   (2BE)  CHARACTER   17
719   (2CF)  CHARACTER   11        SEQ04XMT
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719   (2CF)  CHARACTER   11        SEQ04WRT

719   (2CF)                        SEQ04END

730   (2DA)  CHARACTER   11        SEQXMTTD
741   (2E5)  CHARACTER   11        SEQWRTTN
752   (2F0)  ADDRESS     1         SEQ0005
753   (2F1)  CHARACTER   41        SEQ05TXT

753   (2F1)                        SEQ05END

794   (31A)  ADDRESS     1         SEQ0006
795   (31B)  CHARACTER   26        SEQ06FXD
821   (335)  CHARACTER   1         SEQ06VAR

821   (335)                        SEQ06END

1001  (3E9)  CHARACTER   6         SEQNOPRM
1007  (3EF)  ADDRESS     1         SEQ0007
1008  (3F0)  CHARACTER   53        SEQ07TXT
1053  (41D)  CHARACTER   8         SEQ07TEX
1061  (425)  CHARACTER   6         SEQ07RCD

1061  (425)                        SEQ07END

1067  (42B)  ADDRESS     1         SEQ0008
1068  (42C)  CHARACTER   22        SEQ08TXT
1090  (442)  CHARACTER   10        SEQ08INC
1090  (442)  CHARACTER   10        SEQ08CMP
1090  (442)  CHARACTER   10        SEQ08ABT

1090  (442)                        SEQ08END

1100  (44C)  CHARACTER   10        SEQINCOM
1110  (456)  CHARACTER   10        SEQCOMPL
1120  (460)  CHARACTER   10        SEQABORT
1130  (46A)  ADDRESS     1         SEQ0009
1131  (46B)  CHARACTER   45        SEQ09TXT
1176  (498)  CHARACTER   26        SEQ09TEX

1176  (498)                        SEQ09END

1202  (4B2)  ADDRESS     1         SEQ0011
1203  (4B3)  CHARACTER   1         SEQ11TXT
1248  (4E0)  CHARACTER   41        SEQ11TEX

1248  (4E0)                        SEQ11END

1289  (509)  ADDRESS     1         SEQ0012
1290  (50A)  CHARACTER   44        SEQ12TXT

1290  (50A)                        SEQ12END

1334  (536)  ADDRESS     1         SEQ0013
1335  (537)  CHARACTER   47        SEQ13TXT
1382  (566)  CHARACTER   2         SEQ13FL
1384  (568)  CHARACTER   5
1389  (56D)  CHARACTER   2         SEQ13CC
1391  (56F)  CHARACTER   8
1399  (577)  CHARACTER   4         SEQ13SN
1403  (57B)  CHARACTER   7
1410  (582)  CHARACTER   4         SEQ13ST

1410  (582)                        SEQ13END

1414  (586)  ADDRESS     1         SEQ0014
1415  (587)  CHARACTER   29        SEQ14TXT
1444  (5A4)  CHARACTER   8         SEQ14TY
1444  (5A4)  CHARACTER   8
1444  (5A4)  CHARACTER   8
1444  (5A4)  CHARACTER   8

1444  (5A4)  CHARACTER   8         SEQ14END
1452  (5AC)  ADDRESS     1         SEQ0015
1453  (5AD)  CHARACTER   35        SEQ15TXT

1453  (5AD)                        SEQ15END

1488  (5D0)  ADDRESS     1         SEQ0016
1489  (5D1)  CHARACTER   48        SEQ16TXT
1537  (601)  CHARACTER   5
1542  (606)  CHARACTER   2         SEQ16ER
```

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1544  (608)  CHARACTER   6
1550  (60E)  CHARACTER   2         SEQ16RS

1550  (60E)                       SEQ16END

1552  (610)  ADDRESS     1         SEQ0017
1553  (611)  CHARACTER   40        SEQ17TXT

1553  (611)                       SEQ17END

1593  (639)  ADDRESS     1         SEQ0018
1594  (63A)  CHARACTER   8         SEQ18TXT
1602  (642)  CHARACTER   7         SEQ18TYP
1609  (649)  CHARACTER   27
1636  (664)  CHARACTER   13
1649  (671)  CHARACTER   2         SEQ1815

1649  (671)                       SEQ18END

1651  (673)  CHARACTER   7         SEQ18JFR
1658  (67A)  CHARACTER   7         SEQ18OBT
1665  (681)  CHARACTER   7         SEQ18DEV
1672  (688)  CHARACTER   7         SEQ18DCK
1679  (68F)  ADDRESS     1         SEQ0019
1680  (690)  CHARACTER   52        SEQ19TXT

1680  (690)                       SEQ19END

1732  (6C4)  ADDRESS     1         SEQ0020
1733  (6C5)  CHARACTER   48        SEQ20TXT

1733  (6C5)                       SEQ20END

1784  (6F8)  ADDRESS     4         SEQRSVU4       RESERVED
1788  (6FC)  ADDRESS     4         SEQRSVD5       RESERVED
```

```
      LOCAL DATA SET DCB
      DCB DDNAME=SEQLDDCB,DSORG=PS,MACRF=(RC,WC),EXLST=SEQDCBXL
      DATA CONTROL BLOCK
1792  (700)  FIXED       4         SEQLCDCB     ORIGIN ON WORD BOUNDARY
                                                   DIRECT ACCESS DEVICE
                                                   INTERFACE
1792  (700)  BITSTRING   16                     FDAD,DVTBL
1808  (710)  ADDRESS     4                      KEYLE,DEVT,TRBAL COMMON ACCESS
                                                   METHOD INTERFACE
1812  (714)  ADDRESS     1                      BUFNO
1813  (715)  ADDRESS     3                      BUFCB
1816  (718)  ADDRESS     2                      BUFL
1818  (71A)  BITSTRING   2                      DSORG
1820  (71C)  ADDRESS     4                      IOBAD FOUNDATION EXTENSION
1824  (720)  BITSTRING   1                      BFTEK,BFLN,HIARCHY
1825  (721)  ADDRESS     3                      EODAD
1828  (724)  BITSTRING   1                      RECFM
1829  (725)  ADDRESS     3                      EXLST FOUNDATION BLOCK
1832  (728)  CHARACTER   8                      DDNAME
1840  (730)  BITSTRING   1                      OFLGS
1841  (731)  BITSTRING   1                      IFLG
1842  (732)  BITSTRING   2                      MACR BSAM BPAM QSAM INTERFACE
1844  (734)  BITSTRING   1                      RER1
1845  (735)  ADDRESS     3                      CHECK, GERR, PERR
1848  (738)  ADDRESS     4                      SYNAD
1852  (73C)  FIXED       2                      CIND1, CIND2
1854  (73E)  ADDRESS     2                      BLKSIZE
1856  (740)  FIXED       4                      WCPO, WCPL, OFFSR, OFFSW
1860  (744)  ADDRESS     4                      IOBA
1864  (748)  ADDRESS     1                      NCP
1865  (749)  ADDRESS     3                      EOBR, EOBAD BSAM BPAM
                                                    INTERFACE
1868  (74C)  ADDRESS     4                      EOBW
1872  (750)  FIXED       2                      DIRCT
1874  (752)  ADDRESS     2                      LRECL
1876  (754)  ADDRESS     4                      CNTRL, NOTE, POINT
1876  (754)  ADDRESS     4          SEQLDDCB     LOCAL DATA SET DCB
```

```
          LIST-FORM MACROS
          ESTAE 0,MF=L ESTAE LIST
      MACDATE 80247
1880  (758)  FIXED       4
1880  (758)  ADDRESS     1         SEQESTAE     FLAGS FOR TCB,PURGE,ASYNCH
1881  (759)  ADDRESS     3                     STAE EXIT ROUTINE ADDR.
```

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1884  (75C)  ADDRESS     4                    PARM. LIST ADDR. NOT SPECIFIED
1888  (760)  ADDRESS     4                    TCB NOT SPECIFIED
1892  (764)  ADDRESS     1                    FLAGS
1893  (765)  ADDRESS     3                    RESERVED
1896  (768)  ADDRESS     4                    TOKEN VALUE AREA

      RDJFCB 0,MF=L READ JFCB LIST
1900  (76C)  FIXED       4         SEQRDJFC    ALIGN LIST TO FULLWORD
1900  (76C)  ADDRESS     1                    OPTION BYTE
1901  (76D)  ADDRESS     3                    DCB ADDRESS

      OPEN O,MF=L OPEN LIST
1904  (770)  FIXED       4         SEQOPENL    ALIGN LIST TO FULLWORD
1904  (770)  ADDRESS     1                    OPTION BYTE
1905  (771)  ADDRESS     3                    DCB ADDRESS

      READ READDECB,SF,MF=L BSAM READ LIST
1908  (774)  FIXED       4         SEQREADL
1908  (774)  FIXED       4         READDECB    EVENT CONTROL BLOCK
1912  (778)  BITSTRING   1                    TYPE FIELD
1913  (779)  BITSTRING   1                    TYPE FIELD
1914  (77A)  ADDRESS     2                    LENGTH
1916  (77C)  ADDRESS     4                    DCB ADDRESS
1920  (780)  ADDRESS     4                    AREA ADDRESS
1924  (784)  ADDRESS     4                    RECORD POINTER WORD

      WRITE WRITDECB,SF,MF=L BSAM WRITE LIST
1928  (788)  FIXED       4         SEQWRITL
1928  (788)  FIXED       4         WRITDECB    EVENT CONTROL BLOCK
1932  (78C)  BITSTRING   1                    TYPE FIELD
1933  (78D)  BITSTRING   1                    TYPE FIELD
1934  (78E)  ADDRESS     2                    LENGTH
1936  (790)  ADDRESS     4                    DCB ADDRESS
1940  (794)  ADDRESS     4                    AREA ADDRESS
1944  (798)  ADDRESS     4                    RECORD POINTER WORD

      CLOSE 0,MF=L CLOSE LIST
1948  (79C)  FIXED       4         SEQCLOSL    ALIGN LIST TO FULLWORD
1948  (79C)  ADDRESS     1                    OPTION BYTE
1949  (79D)  ADDRESS     3                    DCB ADDRESS

      JFCB BUFFER AREA
1952  (7A0)  FIXED       4         SEQJFCBF    JFCB BUFFER AREA

      DEVTYPE RESPONSE AREA
2128  (850)  FIXED       4         SEQDEVTA    DEVTYPE RESPONSE AREA
2128  (850)  CHARACTER   1         SEQDMODL    DEVICE MODEL CODE
2129  (851)  CHARACTER   1         SEQDOPTS    OPTIONAL FEATURES
2130  (852)  CHARACTER   1         SEQDVCLS    DEVICE CLASS
2131  (853)  CHARACTER   1         SEQUNTYP    UNIT TYPE
2132  (854)  FIXED       4         SEQDEVTB    MAXIMUM DEVICE/SYSTEM BLKSIZE
2132  (854)                         SEQDEVTO    "SEQDMODL,4,C'F'" DEVICE TYPE
                                                  WORD ZERO

      DSCB WORK AREA
2136  (858)  BITSTRING   44        SEQF1DSN    DS NAME FOR OBTAIN
2180  (884)  BITSTRING   6         SEQF1VOL    VOL SER FOR OBTAIN
2186  (88A)  BITSTRING   140       SEQF1WRK    WORK AREA FOR OBTAIN
2328  (918)  FIXED       4
2328  (918)  BITSTRING   16        SEQOBLST    OBTAIN PARM LIST
2328  (918)  ADDRESS     1         SEQOPCDE    OBTAIN OP CODE X'C1'
2329  (919)  ADDRESS     3                    FLAG BYTES
2332  (91C)  ADDRESS     4         SEQF1DSP    DS NAME PTR FOR OBT
2336  (920)  ADDRESS     4         SEQF1VP     VOL PTR FOR OBTAIN
2340  (924)  ADDRESS     4         SEQWRKPT    OBTAIN WRK AREA PTR
2344  (928)  BITSTRING   1         SEQEMPFL    DATA SET EMPTY FLAG
             1...  ....           SEQEMPTY      "BIT0" EMPTY DATA SET

2344  (928)                         SEQEND      END OF CONTROL BLOCK

                           CROSS REFERENCE
                            HEX     HEX
NAME                        OFFSET  VALUE  LEVEL
```

```
CNBLEOD                 A2      8       2
CNCOMMA                 A2      1       2
CNIFLR1                 A2      80      2
CNIFLR2                 A2      40      2
CNIFLR3                 A2      20      2
CNIFLR4                 A2      4       2
CNIFLR5                 A2      2       2
CNMULT                  A2      10      2
CONACTN                 A4              2
CONCHRCT                A3              2
CONMESSG                B0              2
CONSAREA                B0      64      2
CONSAUTH                65              2
CONSBJNM                82              2
CONSBJNO                82              2
CONSBTCH                80      3       2
CONSCAN                 A5              2
CONSCNDD                82              2
CONSDDRS                82      0       2
CONSFCT                 80      6       2
CONSFLGS                64              2
CONSIFLG                A2              2
CONSJCLS                82              2
CONSJES                 80      2       2
CONSJMC                 80      7       2
CONSLOG                 80      5       2
CONSMCS                 80      4       2
CONSMCSA                9E      83      2
CONSMCSI                82              2
CONSMESS                64              2
CONSPRFX                AC      64      2
CONSRDEV                80      8       2
CONSRSD1                A6              2
CONSRSD2                AA              2
CONSRSS1                AB              2
CONSRSS2                AC              2
CONSTSO                 80      1       2
CONSUSER                80      80      2
CONSUSID                82              2
CONSXALL                9E      70      2
CONSXBSI                70      0       2
CONSXBSN                78      0       2
CONSXDDN                82              2
CONSXEND                9E      A2      2
CONSXFL1                81      0       2
CONSXHDR                66      E7D6    2
CONSXLEN                6E      3C      2
CONSXMCL                81      80      2
CONSXOID                9E      66      2
CONSXRD2                8A      0       2
CONSXRD3                8E      0       2
CONSXREL                6A      F1F0    2
CONSXRS1                92      0       2
CONSXRS2                96      0       2
CONSXRU1                9A      0       2
CONSXRU2                9E      0       2
CONSXTYP                80      0       2
CONSX1R1                81      40      2
CONSX1R2                81      20      2
CONSX1R3                81      10      2
CONSX1R4                81      8       2
CONSX1R5                81      4       2
CONSX1R6                81      2       2
CONSX1R7                81      1       2
READDECB                73C     0       2
SEQABORT                45C     C1C2    2
SEQALPH                 40      40      2
SEQBIN                  41      80      2
SEQBUFAD                10              2
SEQBUFSZ                14              2
SEQCKCLR                34              2
SEQCKFLG                38      0       2
SEQCKLEN                2C              2
SEQCKMAX                40      24      2
SEQCKNLR                2E              2
SEQCKNOT                30              2
SEQCKPTD                2C              2
SEQCKRD3                3C              2
SEQCKREC                3C      2C      2
SEQCKRU2                39      0       2
SEQCKTEM                40              2
SEQCLOSL                764             2
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SEQCOMPL                452     C3D6    2
SEQDBLEN                C       58      2
SEQDCBXL                1B0             2
SEQDEVTA                818             2
SEQDEVTB                81C             2
SEQDEVT0                81C     818     2
SEQDMODL                818             2
SEQDOPTS                819             2
SEQDSN                  40      8       2
SEQDSNG                 62              2
SEQDSNL                 60              2
SEQDVCLS                81A             2
SEQEMPFL                93C             2
SEQEMPTY                93C     80      2
SEQEND                  93C     93D     2
SEQEOBAD                18              2
SEQESTAE                720             2
SEQFCFR1                38      4       2
SEQFCFR2                38      2       2
SEQFCFR3                38      1       2
SEQFCKDD                38      8       2
SEQFCKIB                38      40      2
SEQFCKPD                38      10      2
SEQFCKPT                38      80      2
SEQFCKSO                38      20      2
SEQFECR1                27      80      2
SEQFECR2                27      40      2
SEQFECR3                27      4       2
SEQFECR4                27      2       2
SEQFECR5                27      1       2
SEQFLGS1                1B7     0       2
SEQFLGS2                1B8     0       2
SEQFLG1                 40      0       2
SEQFLG2                 41      0       2
SEQFMBLK                27      20      2
SEQFMUR                 27      8       2
SEQFMVL                 27      10      2
SEQF1CIP                1B7     20      2
SEQF1CWM                1B7     4       2
SEQF1DSN                86E     0       2
SEQF1DSP                930             2
SEQF1DXC                1B7     8       2
SEQF1DXS                1B7     10      2
SEQF1LDS                1B7     40      2
SEQF1LSR                1B7     80      2
SEQF1RCV                1B7     40      2
SEQF1RS1                1B7     2       2
SEQF1RS2                1B7     1       2
SEQF1SND                1B7     80      2
SEQF1VOL                89A     0       2
SEQF1VP                 934             2
SEQF1WRK                8A0     0       2
SEQF2PAD                1B8     80      2
SEQF2RS1                1B8     10      2
SEQF2RS2                1B8     8       2
SEQF2RS3                1B8     4       2
SEQF2RS4                1B8     2       2
SEQF2RS5                1B8     1       2
SEQF2R1                 41      4       2
SEQF2R2                 41      2       2
SEQF2R3                 41      1       2
SEQGSDAD                164             2
SEQHDR                  0       E2C5    2
SEQHEX                  40      10      2
SEQINCOM                448     C9D5    2
SEQJBLTM                1B0             2
SEQJFCBA                1B1             1
SEQJFCBF                768     4040    2
SEQJ2DEL                1B9     615C    2
SEQKERR                 41      8       2
SEQKEYA                 58              2
SEQKEYL                 54              2
SEQKEYW                 40      4       2
SEQLCDCB                6C8             2
SEQLDDCB                71C     6C8     2
SEQLEN                  8       93D     2
SEQLENCK                A       14      2
SEQLRWRT                20              2
SEQMAXL                 43              2
SEQMAXV                 50              2
SEQMINL                 42              2
SEQMINV                 4C              2
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SEQMSGA                 1B8     40      2
SEQMSGS                 1B8     20      2
SEQNATL                 40      20      2
SEQNLRAD                1C              2
SEQNOPRM                3E5     60D5    2
SEQNUMR                 40      80      2
SEQOBLST                92C     0       2
SEQOPCDE                92C             2
SEQOPENL                738             2
SEQPACK                 41      40      2
SEQPADVL                1B6     0       2
SEQPRMA                 5C              2
SEQPRML                 55              2
SEQQUOT                 41      10      2
SEQRDJFC                734             2
SEQRDSBA                1A8             2
SEQRDSBS                1AC             2
SEQREADL                73C             2
SEQRECFM                27      0       2
SEQREGS                 168             2
SEQREL                  4       F1F0    2
SEQRSCN                 40      1       2
SEQRSTR                 40      F8      2
SEQRSVD1                E               2
SEQRSVD2                28              2
SEQRSVD5                6C4             2
SEQRSVU1                24      0       2
SEQRSVU4                6C0             2
SEQRSV1                 45              2
SEQRSV2                 56              2
SEQRTNCD                1B4             2
SEQR10                  16C             2
SEQR11                  170             2
SEQR12                  174             2
SEQR13                  178             2
SEQR9                   168             2
SEQSAV01                820             2
SEQSTDA                 41      20      2
SEQSUBL                 40      2       2
SEQSUPC                 40              2
SEQSVAR1                17C             2
SEQSVAR2                18C             2
SEQSWORK                194     0       2
SEQTRGA                 48              2
SEQTRGL                 44              2
SEQUNTYP                81B             2
SEQVOLSR                868     4040    2
SEQWRITL                750             2
SEQWRKPT                938             2
SEQWRTTN                2E1     E6D9    2
SEQXMTTD                2D6     E3D9    2
SEQ0001                 209             2
SEQ0002                 265             2
SEQ0003                 284             2
SEQ0004                 2AB             2
SEQ0005                 2EC             2
SEQ0006                 316             2
SEQ0007                 3EB             2
SEQ0008                 427             2
SEQ0009                 466             2
SEQ0011                 4AE             2
SEQ0012                 505             2
SEQ0013                 532             2
SEQ0014                 582             2
SEQ0015                 5A8             2
SEQ0016                 5CC             2
SEQ0017                 60C             2
SEQ0018                 635             2
SEQ0019                 68B             2
SEQ01B                  249     24A     2
SEQ01BSZ                260     4040    2
SEQ01DSN                216     4040    2
SEQ01END                260     265     2
SEQ01FX                 249     C6E7    2
SEQ01LRL                252     4040    2
SEQ01TXT                20A     C2C4    2
SEQ01U                  249     249     2
SEQ01VX                 249     249     2
SEQ02END                266     284     2
SEQ02TXT                266     C2C4    2
SEQ03END                285     2AB     2
SEQ03TXT                285     C2C4    2
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SEQ04END                 2CB     2D6     2
SEQ04RCD                 2B4     4040    2
SEQ04TXT                 2AC     C2C4    2
SEQ04WRT                 2CB     E6D9    2
SEQ04XMT                 2CB             2
SEQ05END                 2ED     316     2
SEQ05TXT                 2ED     C2C4    2
SEQ06END                 331     3E5     2
SEQ06FXD                 317     C2C4    2
SEQ06VAR                 331     4040    2
SEQ07END                 421     427     2
SEQ07RCD                 421     4040    2
SEQ07TEX                 419     40D9    2
SEQ07TXT                 3EC     C2C4    2
SEQ08ABT                 43E     C1C2    2
SEQ08CMP                 43E             2
SEQ08END                 43E     448     2
SEQ08INC                 43E             2
SEQ08TXT                 428     C2C4    2
SEQ09END                 494     4AE     2
SEQ09TEX                 494     40E2    2
SEQ09TXT                 467     C2C4    2
SEQ11END                 4DC     505     2
SEQ11TEX                 4DC     40C9    2
SEQ11TXT                 4AF     C2C4    2
SEQ12END                 506     532     2
SEQ12TXT                 506     C2C4    2
SEQ13CC                  569     4040    2
SEQ13END                 57E     582     2
SEQ13FL                  562     4040    2
SEQ13SN                  573     4040    2
SEQ13ST                  57E     4040    2
SEQ13TXT                 533     C2C4    2
SEQ14END                 5A0     5A8     2
SEQ14TXT                 583     C2C4    2
SEQ14TY                  5A0             2
SEQ15END                 5A9     5CC     2
SEQ15TXT                 5A9     C2C4    2
SEQ16END                 60A     60C     2
SEQ16ER                  602     4040    2
SEQ16RS                  60A     4040    2
SEQ16TXT                 5CD     C2C4    2
SEQ17END                 60D     635     2
SEQ17TXT                 60D     C2C4    2
SEQ18DCK                 684     C4C5    2
SEQ18DEV                 67D     C4C5    2
SEQ18END                 66D     66F     2
SEQ18JFR                 66F     D9C4    2
SEQ18OBT                 676     D6C2    2
SEQ18TXT                 636     C2C4    2
SEQ18TYP                 63E     4040    2
SEQ1815                  66D             2
SEQ19END                 68C     6C0     2
SEQ19TXT                 68C     C2C4    2
WRITDECB                 750     0       2
```

Scheduler Interface Control Area CSECT — SICA

The scheduler interface control area (SICA) is a temporary work area. It is used with the move mode scheduler work area (SWA) manager to obtain a copy of a scheduler control block.

Function:	The SICA is used to manipulate MVS scheduler control blocks.
Macro ID:	BDTDSICA
DSECT name:	SICA
Created by:	BDTCKPT
Size:	Hex 100 bytes
Pointed to by:	BDTGRCPD

Location:	Subpool 230

```
      MAPS THE SCHEDULER INTERFACE CONTROL AREA

      HEADER SECTION
0     (0)    ADDRESS     4         SICALINK     POINTER TO NEXT SICA
4     (4)    CHARACTER   4         SICAID       CONTROL BLOCK IDENTIFIER
8     (8)    CHARACTER   4         SICAREL      VERSION/RELEASE IDENTIFIER
12    (C)    ADDRESS     2         SICALEN      LENGTH OF SICA
14    (E)    BITSTRING   1         SICAFLGS     FLAG BYTE
             1...  ....           SICANFCP       "BIT0" SICA NOT FROM
                                                 CELLPOOL
             .1..  ....           SICAFLG1       "BIT1" RESERVED
             ..1.  ....           SICAFLG2       "BIT2" RESERVED
             ...1  ....           SICAFLG3       "BIT3" RESERVED
             ....  1...           SICAFLG4       "BIT4" RESERVED
             ....  .1..           SICAFLG5       "BIT5" RESERVED
             ....  ..1.           SICAFLG6       "BIT6" RESERVED
             ....  ...1           SICAFLG7       "BIT7" RESERVED

15    (F)    FIXED       1         SICACBID     SWA CONTROL BLOCK ID

15    (F)    FIXED                 SICASIZE     "256"
             111.  .11.             SICAPOOL      "230"
             ....  ....             SICAHDR       POINTER TO NEXT SICA

16    (10)   CHARACTER   1         SICADATA
```

```
      SWA CONTROL BLOCK TARGET AREA
16    (10)   CHARACTER   176       SICATGT      SWA CONTROL BLOCK TARGET AREA
```

```
                SWA CONTROL BLOCK ACCESS PARAMETERS
  SICAMEPA DS CL(L 'SWAMMEPA ) MOVE MODE EXTERNAL PARAMETER AREA
192   (C0)   CHARACTER   36        SICAQMPA     QUEUE MANAGER PARAMETER AREA
228   (E4)   CHARACTER   8         SICAMEPA     MOVE MODE EXTERNAL PARAMETER
                                                   AREA
236   (EC)   CHARACTER   20
```

SNA Buffer Pool Control Block — SNBP

The SNA buffer pool control block (SNBP) is built as the result of a SNABUF initialization statement. For each buffer pool, storage is obtained at BDT initialization for an SNBP, extent entries, and buffers for the primary extent. Secondary extents are acquired dynamically. The SNBP contains information describing that buffer pool, including a pointer to each extent, the buffer size, the number of buffers in each extent, the maximum number of secondary extents, and the number of available buffers.

Function:	Provides information describing a buffer pool
Macro ID:	BDTDSNB
DSECT name:	SNBP
Created by:	INR2 via BDTXGTMN
Size:	Hex 60 bytes
Accessed by:	INR1, INR2, IQCP, SCBUF, SCMGR, SCOCT
Location:	BDT address space

```
      SNA BUFFER POOL

      MAPS THE SNA BUFFER POOL AND SNA INITIALIZATION
      CONTROL BLOCKS
      SNA BUFFER POOL CONTROL BLOCK
```

```
0     (0)    CHARACTER   4         SNBPID       CONTROL BLOCK ID
4     (4)    ADDRESS     4         SNBPNEXT     NEXT BUF POOL CONTROL BLOCK
8     (8)    ADDRESS     4         SNBPSIZE     BUFFER SIZE
12    (C)    ADDRESS     4         SNBPPXSZ     PRIMARY EXTENT SIZE
```

```
16    (10)   ADDRESS     4         SNPBSXSZ     SECONDARY EXTENT SIZE
20    (14)   ADDRESS     4         SNBPSXNO     NUMBER OF SECONDARY EXTENTS
24    (18)   ADDRESS     2         SNBPATF      ANTI THRASHING FACTOR (%)
26    (1A)   BITSTRING   1         SNBPFLG1     FLAGS
             1...  ....            SNBPADEL        "BIT0" AUTO DELETE
                                                   SECONDARY EXTNS

27    (1B)   BITSTRING   1         SNBPRSD1     RESERVED FOR DEVELOPMENT
```

```
      BUFFER POOL STATISTICS
28    (1C)   ADDRESS     4         SNBPTOTL     CURRENT SIZE OF BUFFER POOL
32    (20)   ADDRESS     4         SNBPINUS     CURRENT NUM OF BUF IN USE
36    (24)   ADDRESS     4         SNBPSEXT     CUR NUM OF SECONDARY EXTENTS
40    (28)   ADDRESS     4         SNBPDPLT     NUM OF TIMES BUF PL DEPLETED
44    (2C)   ADDRESS     4         SNBPMXSZ     MAXIMUM SIZE OF BUFFER POOL
48    (30)   ADDRESS     4         SNBPMXUS     MAX NUMBER OF BUFFER IN USE
52    (34)   ADDRESS     4         SNBPMXSE     MAX NUM OF SECONDARY EXTENTS
56    (38)   BITSTRING   1         SNBPSUBI     SUBPOOL FOR SNA BUFFER POOLS
57    (39)   BITSTRING   1         SNBPRSD2     RESERVED FOR DEVELOPMENT
60    (3C)   ADDRESS     4         SNBPRSD3     RESERVED FOR DEVELOPMENT
             ....  ....            SNBPFIXD        LENGTH = L'SNBPFIXD
```

```
      EXTENT ENTRY
64    (40)   ADDRESS     4         SNBPXPTR     POINTER TO THE EXTENT
68    (44)   ADDRESS     4         SNBPXCNT     NUM OF AVAILABLE BUF IN THE
                                                   EXTENT
72    (48)   FIXED       4         SNBPXNXT     ALIGN TO START OF NEXT ENT
             .1..  ....            SNBPXENT        LENGTH = L'SNBPXENT
```

```
      SNA BUFFER POOL EXTENT
0     (0)    ADDRESS     4         SNBPXSIZ     AMOUNT OF STORAGE OBTAINED
                                                   FOR THIS EXTENT
4     (4)    ADDRESS     4                      RESERVED
8     (8)    ADDRESS     4         SNBPXAVL     FIRST AVAILABLE BUFFER
12    (C)    ADDRESS     4         SNBPXQUC     QUEUE UPDATE COUNT
             ....  1...            SNBPXHDR        FIRST AVAILABLE BUFFER

16    (10)   ADDRESS     4         SNBPXFST     FIRST BUFFER IN THIS EXTENT
20    (14)   ADDRESS     4         SNBPXLST     LAST BUFFER IN THIS EXTENT
24    (18)   FIXED       4         SNBPXBUF     FIRST BUFFER IN THIS EXTENT

             ....  ....            SNBPXPFX        LENGTH = L'SNBPXPFX
```

Chapter 13. Transfer Vector Table — TVT

The transfer vector table (TVT) is the primary control block of BDT. It includes:

- Pointers to the beginning of control block chains
- Addresses of general BDT routines
- Constants
- Initialization parameters from the OPTIONS statement.

Function:	The TVT is a central source of information for all BDT routines.
Macro ID:	BDTDTVT
DSECT name:	BDTGRVT
Loaded by:	BDTINTK, during BDT initialization
Size:	Hex 7DD bytes
Pointed to by:	Register 12, JMLREG12, GSDTVT, FCTTVPTR
Location:	BDTGRVT CSECT in BDTNUC

```
      TVT HEADER FILES
0     (0)    CHARACTER   4         TVTID        TVTABLE ID
4     (4)    CHARACTER   4         TVTVERS      TVTABLE VERSION ID
8     (8)    ADDRESS     2         TVTLNGTH     TVTABLE LENGTH
12    (C)    ADDRESS     4         TVTINDAT     BDTINIT DATE BDT STARTED
                                                   00YYDDDF
16    (10)   ADDRESS     4         TVTINTIM     BDTINIT TIME BDT STARTED
                                                   HHMMSSTH
20    (14)   CHARACTER   4         TVTRELNR     BDT RELEASE NUMBER

      ROUTINE ENTRY POINTS
24    (18)   ADDRESS     4         TVTEPS       START OF ENTRY POINTS
24    (18)   ADDRESS     4         TVTASAVE     "V(ASAVEYES)"BDTGRSV ASAVE
                                                   PROCESSING
28    (1C)   ADDRESS     4         TVTASVRT     "V(ASARETRN)"BDTGRSV ASAVE
                                                   PROCESSING RETURN

      RESOURCE MANAGEMENT
32    (20)   ADDRESS     4         TVTADEQ      "V(RESMGMT)" BDTGRRQ RESOURCE
                                                  MANAGEMENT

            ..1.  ....            TVTAENQ        "TVTADEQ" RESOURCE
                                                  MANAGEMENT
            ..1.  ....            TVTATEST       "TVTADEQ" RESOURCE
                                                  MANAGEMENT

      GETMAIN/FREEMAIN ADDRESS
36    (24)   ADDRESS     4         TVTAPTMN     "V(PUTMAINX)" BDTGRGM FREEMAIN
40    (28)   ADDRESS     4         TVTAGTMN     "V(GETMAINX)" BDTGRGM GETMAIN
44    (2C)   ADDRESS     4         TVTALLOC     "V(BDTGRDA)" BDTGRDA ADDR OF
                                                   DYNAM ALLOCAT RTN

      QUIK CELL
48    (30)   ADDRESS     4         TVTXBPL      "V(BDTXBPL)" BDTGRQC QUIK
                                                   CELL SVCS BUILD POOL
52    (34)   ADDRESS     4         TVTXCPD      "V(BDTXCPD)" BDTGRQC QUIK
                                                   CELL SVCS CPD ACCESS
56    (38)   ADDRESS     4         TVTXGCL      "V(BDTXGCL)" BDTGRQC QUIK
                                                   CELL SVCS GET CELL
60    (3C)   ADDRESS     4         TVTXRCL      "V(BDTXRCL)" BDTGRQC QUIK
                                                   CELL SVCS RETRN CELL
64    (40)   ADDRESS     4         TVTXDPL      "V(BDTXDPL)" BDTGRQC QUIK
                                                   CELL SVCS DEL POOL
```

```
      AWAIT
68    (44)   BITSTRING   1         TVTAWAIT     AWAIT CONDITION CODE
69    (45)   ADDRESS     3         TVTAWTA      "VL3(AWAITX)"BDTGRCT MFM
                                                   AWAIT PROCESSING
72    (48)   BITSTRING   1         TVTAWTL      AWAIT LIST CONDITION CODE
73    (49)   ADDRESS     3         TVTAWTLA     "VL3(AWAITX)"BDTGRCT MFM
                                                   AWAIT PROCESSING
76    (4C)   BITSTRING   1         TVTAWTOF     AWAITOFF CONDITION CODE
77    (4D)   ADDRESS     3         TVTAWTOA     "VL3(AWAITX)"BDTGRCT MFM
                                                   AWAIT PROCESSING
80    (50)   BITSTRING   1         TVTAWTOL     AWAITOFF LIST CONDITION CODE
81    (51)   ADDRESS     3         TVTWTOLA     "VL3(AWAITX)"BDTGRCT MFM
                                                   AWAIT PROCESSING
84    (54)   BITSTRING   1         TVTAWTE      AWAIT EXIT CONDTION CODE
85    (55)   ADDRESS     3         TVTAWTEA     "VL3(AWAITX)"BDTGRCT MFM
                                                   AWAIT PROCESSING

      ESTAE
88    (58)   ADDRESS     4         TVTABMN0     "V(BDTABMN)"BDTABMN BDT
                                                   ESTAE ROUTINE
92    (5C)   ADDRESS     4         TVTABND0     "V(BDTABN0)"BDTABN0 ABEND
96    (60)   ADDRESS     4         TVTABSRV     "V(ABSERV2)"BDTABMN ESTAE
                                                   RECOVERY ABEND SVC
100   (64)   ADDRESS     4         TVTFLDAP     "V(FAILDAPX)"BDTABMN FAIL A
                                                   DAP
104   (68)   ADDRESS     4         TVTGSDAX     "V(ABSERV1)"BDTABMN ESTAE
                                                   EXIT ABEND SVC RTN

      COMMON SUBTASK
108   (6C)   BITSTRING   1         TVTCSECF     COMMON SUBTASK REQUEST ECF

             1...  ....           TVTCSPST       "BIT0" COMMON SUBTASK
                                                 REQUEST POST
             .1..  ....           TVTCSRS1       "BIT1" RESERVED
             ..1.  ....           TVTCSRS2       "BIT2" RESERVED
             ...1  ....           TVTCSRS3       "BIT3" RESERVED
             ....  1...           TVTCSRS4       "BIT4" RESERVED
             ....  .1..           TVTCSRS5       "BIT5" RESERVED
             ....  ..1.           TVTCSRS6       "BIT6" RESERVED
             ....  ...1           TVTCSRS7       "BIT7" COMMON SUBTASK
                                                 TERMINATION

108   (6C)   ADDRESS     4         TVTCSRQR     "V(BDTCSRQ)" BDTGRCS COMN
                                                   SUBTASK REQST QUEUE RTN
112   (70)   ADDRESS     4         TVTCSRCP     COMN SUBTSK RQST CELL POOL

      FCT ROUTINE
116   (74)   ADDRESS     4         TVTADFCT     "V(ADDFCTX)" BDTGRFC ADD FCT
                                                   ROUTINE
120   (78)   ADDRESS     4         TVTDLFCT     "V(DELFCTX)" BDTGRFC DELETE
                                                   FCT ROUTINE
124   (7C)   ADDRESS     4         TVTENFCT     "V(ENQFCTX)" BDTGRFC ENQ/DEQ
                                                   FCT ROUTINE
128   (80)   ADDRESS     4         TVTGTFCT     "V(GETFCTX)" BDTGRFC GET FCT
                                                   ROUTINE
132   (84)   ADDRESS     4         TVTPTFCT     "V(PUTFCTX)" BDTGRFC PUT FCT
                                                   ROUTINE

      INTERFUNCTION COMMUNICATION MANAGER
136   (88)   BITSTRING   1         TVTIFECF     INTER FUNC COMMGR ECF

             1...  ....           TVTIFPST       "BIT0" INTER FUNC COMMGR
                                                 POST

136   (88)   ADDRESS     4         TVTIFSND     "V(BDTIFCS)" BDTIFCM INTER
                                                   FUNC COM SEND RTN

      JOB NUMBER
140   (8C)   ADDRESS     4         TVTFDJNR     "V(JOBNTEXT)"BDTGRJN FIND JOB
                                                   NUMBER
144   (90)   ADDRESS     4         TVTJOBNR     "V(JOBNMBER)"BDTGRJN JOB
                                                   NUMBER
148   (94)   ADDRESS     4         TVTJNUMR     "V(RETURNJN)"BDTGRJN RETURN A
                                                   JOB NUMBER
```

```
      DAP
152   (98)   ADDRESS     4          TVTJSSRT     "V(JSSRTN)" BDTGRJR DAP
                                                    RETURN POINT TO BDTGRJR
156   (9C)   ADDRESS     4          TVTJSSNJ     "V(NJERTN)" BDTGRJR DAP
                                                    RETURN POINT TO BDTGRJR
160   (A0)   ADDRESS     4          TVTXCKPT     "V(BDTXCKPT)" BDTCKPT DAP
                                                    CHECKPOINT ROUTINE

      GETLU/PUTLU
164   (A4)   ADDRESS     4          TVTGETLU     "V(GETLUI)" BDTGRGU GETLU
168   (A8)   ADDRESS     4          TVTPUTLU     "V(PUTLUI)" BDTGRGU PUTLU

      LU
172   (AC)   ADDRESS     4          TVTLOPN0     "V(BDTLOPN)" BDTLAMB LU OPEN
176   (B0)   ADDRESS     4          TVTLCLS0     "V(BDTLCLS)" BDTLAMB LU CLOSE
180   (B4)   ADDRESS     4          TVTLPUT0     "V(BDTLPUT)" BDTLAMB LU GET
184   (B8)   ADDRESS     4          TVTLGET0     "V(BDTLGET)" BDTLAMB LU PUT
188   (BC)   ADDRESS     4          TVTLRD0      "V(BDTLRD)" BDTLAMB LREAD
                                                    ROUTINE EP
192   (C0)   ADDRESS     4          TVTLWRT0     "V(BDTLWRT)" BDTLAMP LWRITE
                                                    ROUTINE EP

      TRACE
196   (C4)   ADDRESS     4          TVTXTRC      "V(BDTGRTX)" BDTGRTX TRACE
                                                    ROUTINE ENTRY POINT
200   (C8)   ADDRESS     4          TVTVATR      "V(ATRSTART)"BDTGRTX TRACE
                                                    ROUTINE CONTROL AREA
204   (CC)   ADDRESS     4          TVTLGREC     "V(BDLOGREC)"BDTABMN LOGREC
                                                    SUPPRESSION ROUTINE
208   (D0)   ADDRESS     4          TVTRSD01     RESERVED
212   (D4)   ADDRESS     4          TVTRSD02     RESERVED

      RBAM
216   (D8)   ADDRESS     4          TVTRFMT0     "V(RFORMAT)" BDTRBAM RBAM
                                                    FORMAT QUEUE
220   (DC)   ADDRESS     4          TVTRALC0     "V(RALLOC)" BDTRBAM ALLOC
                                                    BLOCKS (RBNS)
224   (E0)   ADDRESS     4          TVTRCLS0     "V(RCLOSE)" BDTRBAM CLOSE
                                                    RBAM FILE
228   (E4)   ADDRESS     4          TVTROPN0     "V(ROPEN)" BDTRBAM OPEN RBAM
                                                    FILE
232   (E8)   ADDRESS     4          TVTRPRG0     "V(RPURGE)" BDTRBAM RETURN
                                                    BLOCKS (RBNS)
236   (EC)   ADDRESS     4          TVTRRED0     "V(RREAD)" BDTRBAM READ DATA
240   (F0)   ADDRESS     4          TVTRWRT0     "V(RWRITE)" BDTRBAM WRITE
                                                    DATA

      SNA MANAGEMENT
244   (F4)   ADDRESS     4          TVTSNOPN     SET BY BDTSCMGR SNA BDTXLOPN
                                                    EXTENSION
248   (F8)   ADDRESS     4          TVTSNCLS     SET BY BDTSCMGR SNA BDTXLCLS
                                                    EXTENSION
252   (FC)   ADDRESS     4          TVTSNGET     SET BY BDTSCMGR SNA BDTXLGET
                                                    EXTENSION
256   (100)  ADDRESS     4          TVTSNPUT     SET BY BDTSCMGR SNA BDTXLPUT
                                                    EXTENSION
260   (104)  ADDRESS     4          TVTSCDTA     SET BY BDTSCMGR
264   (108)  ADDRESS     4          TVTSNRD      SET BY BDTSCMGR BDTXLRD
                                                    EXTENSION
268   (10C)  ADDRESS     4          TVTSNWRT     SET BY BDTSCMGR BDTXLWRT
                                                    EXTENSION

      ADDITIONAL ADDRESSES
272   (110)  ADDRESS     4          TVTDQMSG     "V(DEQMSGX)" BDTCMQM BDTXDQMS
                                                    SERVICE ROUTINE
276   (114)  ADDRESS     4          TVTRQTBA     "V(RQTAADDX)"BDTGRRQ RQ TABLE
                                                    ADD
280   (118)  ADDRESS     4          TVTRQTBD     "V(RQTADELX)"BDTGRRQ RQ TABLE
                                                    DEL
284   (11C)  ADDRESS     4          TVTRQTBP     "V(RQTAPUTX)"BDTGRRQ RQ TABLE
                                                    PUT
288   (120)  ADDRESS     4          TVTXJCT      "V(BDTXJCT)" BDTGRJX JCT
                                                    ACCESS ROUTINE
292   (124)  ADDRESS     4          TVTXJQE      "V(BDTXJQE)" BDTGRJX JQE
                                                    ACCESS ROUTINE
```

```
296   (128)  ADDRESS     4         TVTXCOMP     "V(BDTXCOMP)"BDTCMQM SCNBLNK
                                                   COMPRESSION ROUTINE
300   (12C)  ADDRESS     4         TVTXDCMP     "V(BDTXDCMP)"BDTGRDC DATA
                                                   COMPRESS/DECOMPRESS
304   (130)  BITSTRING   1         TVTBDKEY     BDT STORAGE PROTECT KEY
304   (130)  ADDRESS     4         TVTCKPNT     "V(BDTCHECK)"BDTGRCP
                                                   CHECKPOINT
308   (134)  ADDRESS     4         TVTABNGT     "V(ABNCORE)" BDTABN0 VIRT
                                                   ADDR VALID'N RTN
312   (138)  ADDRESS     4         TVTCSF       "V(GRGSNTRY)"BDTGRGS CALL
                                                   SUBTASK FUNCTION RTN
316   (13C)  ADDRESS     4         TVTDJNR      "V(BDTDJNR)" BDTDJNR DJC NET
                                                   RELEASE PROCESSING
320   (140)  ADDRESS     4         TVTRSD51     RESERVED
324   (144)  ADDRESS     4         TVTMODLK     "V(BDTMODUP)"BDTABMN MODULE
                                                   NAME LOOK UP ROUTINE
328   (148)  ADDRESS     4         TVTMESAG     "V(MESSAGEX)"BDTCMQM CONSOLE
                                                   MESSAGE
332   (14C)  ADDRESS     4         TVTNMSG      "V(MESSAGEH)"BDTCMQM MESSAGE
                                                   HANDLER SUPPORT
336   (150)  ADDRESS     4         TVTMFMEP     "V(CNTORG)" BDTGRCT EP FOR
                                                   MULTI FUNC MONITOR
340   (154)  ADDRESS     4         TVTSUPC      "V(BDTSUPC)" BDTSUPC SUPRSCAN
                                                   ROUTINE ENTRY PNT
344   (158)  ADDRESS     4         TVTTUAM      "V(BDTTUAMX)"BDTGRDA MJD TEXT
                                                   UNIT ACS METHOD
348   (15C)  ADDRESS     4         TVTRSD05     RESERVED
352   (160)  ADDRESS     4         TVTXOIDF     "V(BDTXOIDX)"BDTGRXD XOID
                                                   FORMATTING ROUTINE
356   (164)  ADDRESS     4         TVTXTIME     "V(BDTXTIME)"BDTGRTS TIMING
                                                   SERVICES
360   (168)  ADDRESS     4         TVTRSD06     RESERVED
364   (16C)  ADDRESS     4         TVTXACC      "V(BDTXACC)" BDTACDV BDT
                                                   ACCOUNTING STIMER RRTN
368   (170)  ADDRESS     4         TVTXLOG      "V(BDTGRLG)" BDTGRLG BDT LOG
                                                   MANAGER

      ACCESS METHOD CONTROL BLOCK ADDRESSES
      (ORDER MUST BE MAINTAINED)
372   (174)  ADDRESS     4         TVTSLACB     ACCESS METHOD CB POINTER
376   (178)  ADDRESS     4         TVTSLEXL     ACCESS METHOD CB POINTER
380   (17C)  ADDRESS     4         TVTSLRPL     ACCESS METHOD CB POINTER

380   (17C)                        TVTSDVBL     TVTSLACB (ACCESS METHOD CB
                                                   POINTER)

384   (180)  ADDRESS     4         TVTRSD10     RESERVED
388   (184)  ADDRESS     4         TVTEXL       "V(BDTXEXL)" BDTGRPT USER
                                                   EXIT RTN ADDRESS LIST

      RESERVED FIELDS
392   (188)  ADDRESS     4         TVTRSD11     RESERVED
396   (18C)  ADDRESS     4         TVTRSD12     RESERVED
400   (190)  ADDRESS     4         TVTRSD13     RESERVED
404   (194)  ADDRESS     4         TVTRSD14     RESERVED
408   (198)  ADDRESS     4         TVTRSD15     RESERVED
412   (19C)  ADDRESS     4         TVTRSD05     RESERVED
416   (1A0)  ADDRESS     4         TVTRSD06     RESERVED
420   (1A4)  ADDRESS     4         TVTRSD07     RESERVED
424   (1A8)  ADDRESS     4         TVTRSD08     RESERVED
428   (1AC)  ADDRESS     4         TVTRSD09     RESERVED
432   (1B0)  ADDRESS     4         TVTRSD10     RESERVED
436   (1B4)  ADDRESS     4         TVTRSD11     RESERVED
440   (1B8)  ADDRESS     4         TVTRSD12     RESERVED
444   (1BC)  ADDRESS     4         TVTRSD13     RESERVED
448   (1C0)  ADDRESS     4         TVTRSD14     RESERVED
452   (1C4)  ADDRESS     4         TVTRSD15     RESERVED
456   (1C8)  ADDRESS     4         TVTEPE       END OF ENTRY POINTS

      SYSTEM TABLE POINTERS
456   (1C8)  ADDRESS     4         TVTABDCB     "V(ABNDCB)" BDTABN0 ABEND DCB

      BDT INITIALIZATION FLAG
460   (1CC)  BITSTRING   1         TVTINITF     BDTINCN BDT INITIALIZATION
                                                   FLAGS

             1...  ....            TVTINCMP       "BIT0" INITIALIZATION
                                                   COMPLETE FLAG
```

```
            .1..  ....            TVTINIR1        "BIT1" RESERVED
            ..1.  ....            TVTINIR2        "BIT2" RESERVED
            ...1  ....            TVTINIR3        "BIT3" RESERVED
            ....  1...            TVTINIR4        "BIT4" RESERVED
            ....  .1..            TVTINIR5        "BIT5" RESERVED
            ....  ..1.            TVTINIR6        "BIT6" RESERVED
            ....  ...1            TVTINIR7        "BIT7" RESERVED

464   (1D0)  ADDRESS     4         TVTINDTA     SET BY BDTINTK POINTER TO
                                                   INIT DATA CSECT
468   (1D4)  ADDRESS     4         TVTMSTCB     BDTINIT BDT MASTER TCB

      CELL POOL ADDRESSES
472   (1D8)  ADDRESS     4         TVTFCTCP     ADDR OF FCT CELL POOL CPB
476   (1DC)  ADDRESS     4         TVTICMCP     ADDR OF ICMB CELL POOL CPB
480   (1E0)  ADDRESS     4         TVTIFCCP     ADDR OF IFC CELL POOL CPB
484   (1E4)  ADDRESS     4         TVTIFNCP     ADDR OF NJE IFC CELL POOL CPB
488   (1E8)  ADDRESS     4         TVTJCBCP     ADDR JCT BUFR CELL POOL CPB
492   (1EC)  ADDRESS     4         TVTJMLCP     ADDR OF JML CELL POOL CBP
496   (1F0)  ADDRESS     4         TVTNUMAP     "V(NUCMAP)" BDTGRVT MAP OF
                                                   BDTNUC CSECTS
500   (1F4)  ADDRESS     4         TVTOCMCP     ADDR OF OCMB CELL POOL CPB
504   (1F8)  ADDRESS     4         TVTSCPD      "V(CPDTABLE)"BDTGRCPD BDT
                                                   SYSTEM CELL POOL DIRECT
508   (1FC)  ADDRESS     4         TVTSVCPB     ADDR SAV AREA CELL POOL CPB
512   (200)  ADDRESS     4         TVTTQECP     ADDR OF TQE CELL POOL CPB
516   (204)  ADDRESS     4         TVTTQICP     ADDR OF TQI CELL POOL CPB

      LCT ADDRESSES
520   (208)  ADDRESS     4         TVTIFC       SET BY BDTINR2 START OF IFC
                                                   LCTS
524   (20C)  ADDRESS     4         TVTLCTUN     SET BY BDTINGN LOGICAL UNITS
                                                   TABLE
528   (210)  ADDRESS     4         TVTRSTPU     SET BY BDTINR2 1ST PU ENTRY
                                                   IN RESTABL
532   (214)  ADDRESS     4         TVTRLTTB     SET BY BDTINR2 RESIDENT RLT
                                                   TABLE
536   (218)  ADDRESS     4         TVTSNBP      SET BY BDTINR2 SNA BUFFER
                                                   POOL
540   (21C)  ADDRESS     4         TVTSNLTP     SET BY BDTSNA SNA LINE
                                                   LCTUNITS CHAIN
544   (220)  ADDRESS     4         TVTXFER      SET BY BDTINR2 START OF
                                                   TRANSFER LCTS
548   (224)  ADDRESS     4         TVTMSGDV     ADDR OF FIRST MSGD DATA AREA

      RESERVED FIELDS
552   (228)  ADDRESS     4         TVTRSD17     RESERVED
556   (22C)  ADDRESS     4         TVTRSD18     RESERVED
560   (230)  ADDRESS     4         TVTRSD16     RESERVED
564   (234)  ADDRESS     4         TVTRSD17     RESERVED
568   (238)  ADDRESS     4         TVTRSD18     RESERVED

      TRANSACTION DRIVER QUEUE
576   (240)              8         TVTXDQUE     TRANSACTION DRIVER QUEUE
576   (240)  ADDRESS     4         TVTADFQE     ADDRESS OF FIRST QUEUE ENTRY
580   (244)  ADDRESS     4         TVTXDQCT     NUMBER OF ELEMENTS QUEUED
584   (248)  ADDRESS     2         TVTXDQHI     HIGH WATER MARK
586   (24A)  ADDRESS     2         TVTXDQLO     LOW WATER MARK
592   (250)              8         TVTXMQUE     CROSS MEMORY QUEUE
592   (250)  ADDRESS     4         TVTXMQ       CMDV CROSS MEMORY QUEUE
596   (254)  ADDRESS     4         TVTXMQCT     NUMBER OF ELEMENTS ON QUEUE
600   (25A)  ADDRESS     2         TVTXMQHI     HIGH WATER MARK
602   (25A)  ADDRESS     2         TVTXMQLO     LOW WATER MARK

      TRANSACTION DRIVER ECF
604   (25C)  BITSTRING   1         TVTXDECF     TRANSACTION DRIVER ECF

            1...  ....            TVTXDXQD       "BIT0" TRANSACTION QUEUED
            .1..  ....            TVTXDIFC       "BIT1" INTER FUNCTION COMM
                                                 POST
            ..1.  ....            TVTXDQR1       "BIT2" RESERVED
            ...1  ....            TVTXDQR2       "BIT3" RESERVED
            ....  1...            TVTXDQR3       "BIT4" RESERVED
            ....  .1..            TVTXDQR4       "BIT5" RESERVED
            ....  ..1.            TVTXDQR5       "BIT6" RESERVED
            ....  ...1            TVTXDQR6       "BIT7" RESERVED
```

```
608   (260)  ADDRESS     4         TVTRSV01     RESERVED
612   (264)  ADDRESS     4         TVTRSV02     RESERVED
616   (268)  ADDRESS     4         TVTRSV03     RESERVED
620   (26C)  ADDRESS     4         TVTRSV04     RESERVED

      DAP COUNTERS
(COMPARE AND SWAP MUST BE USED TO ALTER)
624   (270)  FIXED       4         TVTRSDAP     RESIDENT DAP COUNTER
628   (274)  FIXED       4         TVTNRDAP     DYNAMIC DAP COUNTER
632   (278)  FIXED       4         TVTCLDAP     CALLED DAP COUNTER

      BDT TERMINATION FLAG 1 DEFINITION
      (COMPARE AND SWAP MUST BE USED TO ALTER)
636   (27C)  BITSTRING   1         TVTPFLG1     BDT TERMINATION FLAG 1

             1...  ....           TVTDYNS0       "BIT0" DYNAMIC DAP COUNT =
                                                 0
             .1..  ....           TVTCALL0       "BIT1" CALLED DAP COUNT =
             ..1.  ....           TVTPRES4       "BIT2" RESIDENT DAP COUNT =
                                                 4
             ...1  ....           TVTPRES0       "BIT3" RESIDENT DAP COUNT =
                                                 0
             ....  1...           TVTPABMN       "BIT4" FCT ABEND LIMIT
                                                 REACHED
             ....  .1..           TVTFTFEC       "BIT5" FTF EFP COMPLETE
             ....  ..1.           TVTNJEEC       "BIT6" NJE EFP COMPLETE
             ....  ...1           TVTPTERM       "BIT7" BDT SHUTDOWN IN
                                                 PROGRESS

      BDT TERMINATION FLAG 2 DEFINITION
      (COMPARE AND SWAP MUST BE USED TO ALTER)
637   (27D)  BITSTRING   1         TVTPFLG2     BDT TERMINATION FLAG 2

             1...  ....           TVTPCMDV       "BIT0" BDTCMDV TERMINATION
             .1..  ....           TVTPGRJS       "BIT1" BDTGRJS ROUTINE
                                                 ERROR
             ..1.  ....           TVTPERR        "BIT2" BDTCMDV ROUTINE
                                                 ERROR
             ...1  ....           TVTPGRGS       "BIT3" CRITICAL FCT ENDING
             ....  1...           TVTPF2R1       "BIT4" RESERVED
             ....  .1..           TVTPF2R2       "BIT5" RESERVED
             ....  ..1.           TVTPF2R3       "BIT6" RESERVED
             ....  ...1           TVTPF2R4       "BIT7" RESERVED

      RESERVED FIELDS
638   (27E)  BITSTRING   2         TVTRSV05     RESERVED
640   (280)  ADDRESS     4         TVTRSV06     RESERVED
644   (284)  ADDRESS     4         TVTRSV07     RESERVED
648   (288)  ADDRESS     4         TVTRSV08     RESERVED
652   (28C)  ADDRESS     4         TVTRSV19     RESERVED
656   (290)  ADDRESS     4         TVTRSV20     RESERVED
660   (294)  ADDRESS     4         TVTRSV21     RESERVED

      BDTINIT ECB
664   (298)  ADDRESS     4         TVTITECB     ECB FOR BDTINIT TO WAIT ON

      BDT MASTER ECB
668   (29C)  ADDRESS     4         TVTMECBL     BDT MASTER ECB LIST
668   (29C)  BITSTRING   1         TVTMTECB     BDT MASTER ECB FLAG

             .111  1111           TVTMTOFF       "X'7F'" RESET MASTER ECB

             1...  ....           TVTMTON        "X'80'" SET MASTER ECB FLAG

669   (29D)  ADDRESS     3         TVTAMECB     ADDRESS OF MASTER ECB

      MCS CONSOLE COMMAND ECB
672   (2A0)  ADDRESS     4         TVTMCECB     MCS CONSOLE COMMAND ECB

             .111  1111           TVTMCOFF       "X'7F'" RESET MASTER
                                                  CONSOLE ECB

             1...  ....           TVTMCON        "X'80'" SET MASTER CONSOLE
                                                  ECB
```

```
     BDT MASTER ECB
676  (2A4)  ADDRESS     4         TVTMSECB     BDTINIC BDT MASTER ECB

            .111  1111           TVTMSOFF       "X'7F'" RESET MASTER ECB
            1...  ....           TVTMSON        "X'80'" SET MASTER ECB

680  (2A8)  ADDRESS     4         TVTNUECB     SET BY BDTINTK ECB THAT
                                                   BDTINTK WAITS ON

     MISCELLANEOUS INFORMATION
684  (2AC)  ADDRESS     4         TVTAMQUE     BDT ACTION MESSAGE QUEUE
688  (2B0)  ADDRESS     4         TVTBTAB      BDTRBAM RBAM BIT TABLE
692  (2B4)  ADDRESS     4         TVTCKPAR     "V(CKPTDATA)"BDTGRCP
                                                   CHECKPOINT AREA
696  (2B8)  ADDRESS     4         TVTCMTCB     BDTCMDV'S TCB
700  (2BC)  ADDRESS     4         TVTCSRQU     COMMON SUBTASK REQUEST QUEUE
704  (2C0)  ADDRESS     4         TVTEFTOP     RQ ENDING FUNCTION TOP
708  (2C4)  ADDRESS     4         TVTNETOP     NJE ENDING FUNCTION QUEUE
712  (2C8)  ADDRESS     4         TVTFCTTP     "V(FCTTOP)" BDTGRPT FIRST FCT
                                                   ENTRY
716  (2CC)  ADDRESS     4         TVTMSGQU     SET BY BDTCMMSG OCMB QUEUE
                                                   FOR BDTMSDV
720  (2D0)  ADDRESS     4         TVTITKPM     SET BY BDTINIT BDTINTK PARMS
                                                   LIST ADDR
724  (2D4)  ADDRESS     4         TVTJNM       ADDRESS OF JOB NUMBER TABLE
728  (2D8)  ADDRESS     4         TVTJQX       "V(JQXSTART)"BDTGRJX ADDR JQX
732  (2DC)  ADDRESS     4         TVTJSSFC     "V(JSSFCT)" BDTGRPT BDTGRJS
                                                   FCT
736  (2E0)  ADDRESS     4         TVTLBDCB     SET BY BDTINTK BDTLIB DCB
                                                   POINTER
740  (2E4)  ADDRESS     4         TVTRSD19     RESERVED

     NUCLEUS STARTING AND ENDING ADDRESS
744  (2E8)  ADDRESS     4         TVTSTGLS     BDTGRVT START OF NUCLEUS
748  (2EC)  BITSTRING   1         TVTNUCND     END OF NUCLEUS FLAG
749  (2ED)  ADDRESS     3         TVTNUCNA     END OF NUCLEUS ADDRESS
752  (2F0)  ADDRESS     4         TVTOCMQU     OUTPUT CONSOLE MESSAGE QUEUE
756  (2F4)  ADDRESS     4         TVTRSTBL     "V(RESTABLX)"BDTGRRQ RESOURCE
                                                   MGMT TABLE
760  (2F8)  ADDRESS     4         TVTTRTAB     "V(TRANSTAB)"BDTGRVT SYSTEM
                                                   TRANSLATE TABLE
764  (2FC)  ADDRESS     4         TVTSCAN      "V(SCNSTART)"BDTGRSCN
                                                   SCAN/VALIDATE/TRANSLATE
                                                   TBL
768  (300)  ADDRESS     4         TVTSPDCB     BDTRBAM SPOOL DCB
772  (304)  ADDRESS     4         TVTSSCVT     POINTER TO BDT SSCVT
776  (308)  ADDRESS     4         TVTWFCT      "V(WAIT FCTFCT)" BDTGRPT WAIT
                                                   ADDR

     RESERVED FIELDS
780  (30C)  ADDRESS     4         TVTRSD20     RESERVED
784  (310)  ADDRESS     4         TVTRSD21     RESERVED
788  (314)  ADDRESS     4         TVTRSD22     RESERVED
792  (318)  ADDRESS     4         TVTRSD23     RESERVED
796  (31C)  ADDRESS     4         TVTRSD24     RESERVED
800  (320)  ADDRESS     4         TVTRSD23     RESERVED
804  (324)  ADDRESS     4         TVTRSD24     RESERVED
808  (328)  ADDRESS     4         TVTRSD25     RESERVED
812  (32C)  ADDRESS     4         TVTRSD26     RESERVED
816  (330)  ADDRESS     4         TVTRSD27     RESERVED
820  (334)  ADDRESS     4         TVTRSD28     RESERVED
824  (338)  ADDRESS     4         TVTRSD29     RESERVED

     MASTER DDBFX
828  (33C)  BITSTRING   12        TVTDDBRQ     MASTER DDBFX
840  (348)  BITSTRING   1         TVTDDBFX     MASTER DDBFX

     STANDARDS/DEFAULTS AND DATA - FULLWORD
848  (350)  FIXED       4         TVTRSD33     RESERVED
852  (354)  FIXED       4         TVTSZBUF     SET BY BDTINIO SIZE OF BUFFER
                                                   FULLWORD
852  (354)  FIXED       2         TVTSZBUX     INITIALIZE 1ST HALFWORD
854  (356)  FIXED       2         TVTBUFSZ     SET BY BDTINIO SIZE OF BUFFER
                                                   HALFWORD
856  (358)  ADDRESS     4         TVTRSD34     RESERVED
860  (35C)  FIXED       4         TVTCPUID     CPU ID
```

```
860   (35C)  BITSTRING   1         TVTCPUVC     CPU VERSION CODE
861   (35D)  BITSTRING   1         TVTCPUVX     INITIALIZE REST OF FWD

            1111  1111           TVTVMSYS        "X'FF'" VM TEST SYSTEM

864   (360)  FIXED       4         TVTIFCGM     CURRENT STORAGE BEING USED
                                                   FOR IFC GETMAINED BUFFERS
868   (364)  FIXED       4         TVTIFCCT     CURRENT CNT OF GETMAINED IFC
                                                   BUFFERS
872   (368)  FIXED       4         TVTIFCGH     HI WATER MARK FOR IFC
                                                   GETMAINED BUFFER STORAGE
876   (36C)  FIXED       4         TVTIFCCH     HI WATER MARK FOR NUMBER OF
                                                   IFC GETMAINED BUFFERS

      RESERVED FIELDS
880   (370)  ADDRESS     4         TVTRSU05     RESERVED
884   (374)  ADDRESS     4         TVTRSU06     RESERVED
888   (378)  ADDRESS     4         TVTRSU07     RESERVED
892   (37C)  ADDRESS     4         TVTRSU08     RESERVED
896   (380)  FIXED       4         TVTRSD56     RESERVED
900   (384)  FIXED       4         TVTRSD57     RESERVED
904   (388)  FIXED       4         TVTRSD58     RESERVED
908   (38C)  FIXED       4         TVTRSD59     RESERVED
912   (390)  FIXED       4         TVTRSD60     RESERVED

      DDB'S AND DATA - HALFWORD
916   (394)  FIXED       2         TVTJSCMX     CURRENT SCHEDULED XFERS
918   (396)  FIXED       2         TVTLNOHI     TQI HIGH WATER MARK FOR
                                                   LCTOUT QUEUE
920   (398)  FIXED       2         TVTLNOLO     TQI LOW WATER MARK FOR LCTOUT
                                                   QUEUE

      RESERVED FIELDS
922   (39A)  FIXED       2         TVTRSD36     RESERVED
924   (39C)  FIXED       2         TVTRSD37     RESERVED
926   (39E)  FIXED       2         TVTRSD38     RESERVED
928   (3A0)  FIXED       2         TVTRSD39     RESERVED
930   (3A2)  FIXED       2         TVTRSD40     RESERVED
932   (3A4)  FIXED       2         TVTRSD41     RESERVED
934   (3A6)  FIXED       2         TVTRSD40     RESERVED
936   (3A8)  FIXED       2         TVTRSD41     RESERVED
938   (3AA)  FIXED       2         TVTRSD42     RESERVED
940   (3AC)  FIXED       2         TVTRSD43     RESERVED
942   (3AE)  FIXED       2         TVTRSD44     RESERVED
944   (3B0)  FIXED       2         TVTRSD45     RESERVED

      FLAGS AND ECFS
      ACCOUNTING ECF
946   (3B2)  BITSTRING   1         TVTACECF     BDTACMN ACCOUNTING ECF

            1...  ....           TVTACPST        "BIT0" ACCOUNTING POST
            .1..  ....           TVTOMPST        "BIT1" OPERATOR MSG POST
            ..1.  ....           TVTATPST        "BIT2" TIMER POST
            ...1  ....           TVTACEC1        "BIT3" RESERVED
            ....  1...           TVTACEC2        "BIT4" RESERVED
            ....  .1..           TVTACEC3        "BIT5" RESERVED
            ....  ..1.           TVTACEC4        "BIT6" RESERVED
            ....  ...1           TVTACEC5        "BIT7" RESERVED

947   (3B3)  BITSTRING   1         TVTRSD44     RESERVED

      JOB SEQUENCE SCHEDULER INDICATOR FLAG BYTE 1
948   (3B4)  BITSTRING   1         TVTJSFL1     JSS FLAG BYTE

            1...  ....           TVTJSGPS        "BIT0" GENERAL POST OF JSS
            1...  ....           TVTJSJCA        "BIT0" JCT TABLE ADD HAS
                                                 OCCURRED
            1...  ....           TVTJSDUC        "BIT0" DAP USE COUNT CHG
                                                 REQUIRED
            1...  ....           TVTJSTSC        "BIT0" JCT TAB STAT CHNG
                                                 OCCURRED
            .1..  ....           TVTJSPRG        "BIT1" PURGE THE QUEUE
                                                 REQUEST
            ..1.  ....           TVTJSNPS        "BIT2" NJE POST OF JSS
            ...1  ....           TVTJSEFN        "BIT3" NJE ENDING FUNCTION
            ....  1...           TVTJSTRM        "BIT4" JSS TERMINATION
                                                 ROUTINE POST
```

```
           ....  .1..           TVTJSLPS        "BIT5" LCT VLU SCAN POST
           ....  ..1.           TVTJSEFA        "BIT6" ENDING FUNC ADDED TO
                                                EFCHN
           ....  ...1           TVTJSRPS        "BIT7" IFCM RCVE POST
```

```
     JOB SEQUENCE SCHEDULER INDICATOR FLAG BYTE 2
949  (3B5)  BITSTRING   1         TVTJSFL2     JSS FLAG BYTE

           1...  ....           TVTJSFR1        "BIT0" RESERVED
           .1..  ....           TVTJSACT        "BIT1" S JSS COMMAND
                                                ENTERED
           ..1.  ....           TVTJSCKP        "BIT2" JCT RELEASE
                                                PUTBUF=NO
           ...1  ....           TVTJSFR2        "BIT3" RESERVED
           ....  1...           TVTJSFR3        "BIT4" RESERVED
           ....  .1..           TVTJSFR4        "BIT5" RESERVED
           ....  ..1.           TVTJSFR5        "BIT6" RESERVED
           ....  ...1           TVTJSFR6        "BIT7" RESERVED
```

```
     BDT START FLAG INDICATORS
950  (3B6)  BITSTRING   1         TVTRSTFL     BDT START FLAG

           1...  ....           TVTCOLDS        "BIT0" THIS CPU IS COLD
                                                STARTING
           .1..  ....           TVTWARMS        "BIT1" THIS CPU IS WARM
                                                STARTING
           ..1.  ....           TVTHOTST        "BIT2" THIS CPU IS HOT
                                                STARTING
           ...1  ....           TVTANALZ        "BIT3" QUEUE ANALYSIS
                                                REQUIRED
           ....  1...           TVTPRMST        "BIT4" START SPECIFIED VIA
                                                PARM=
           ....  .1..           TVTRSTR1        "BIT5" RESERVED
           ....  ..1.           TVTRSTR2        "BIT6" RESERVED
           ....  ...1           TVTRSTR3        "BIT7" RESERVED
```

```
     BDT CONNECTION STATE MACHINE
951  (3B7)  BITSTRING   1         TVTSTATE     BDT CONNECTION STATE MACHINE

           1...  ....           TVTINITS        "BIT0" INITIALIZE STATE
           .1..  ....           TVTDISCS        "BIT1" DISCONNECT STATE
           ..1.  ....           TVTCONTS        "BIT2" CONNECT STATE
           ...1  ....           TVTSPNDS        "BIT3" SUSPEND STATE
           ....  1...           TVTCONR1        "BIT4" RESERVED
           ....  .1..           TVTCONR2        "BIT5" RESERVED
           ....  ..1.           TVTCONR3        "BIT6" RESERVED
           ....  ...1           TVTCONR4        "BIT7" RESERVED
           1...  ....           TVTSETI         "X'80'" SET INITIALIZE
                                                STATE
           .1..  ....           TVTSETD         "X'40'" SET DISCONNECT
                                                STATE
           ..1.  ....           TVTSETC         "X'20'" SET CONNECT STATE
           ...1  ....           TVTSETS         "X'10'" SET SUSPEND STATE
```

```
     BDT CONNECTION STATE MACHINE FLAG
952  (3B8)  BITSTRING   1         TVTSTFLG     BDT CONNECT STATE MACHINE
                                                FLAG

           1...  ....           TVTSTSPN        "BIT0" SYSTEM SUSPEND
           .1..  ....           TVTSTRSM        "BIT1" SYSTEM RESUME
           ..1.  ....           TVTSTOPN        "BIT2" OPERATOR SUSPEND
           ...1  ....           TVTSTORS        "BIT3" OPERATOR RESUME
           ....  1...           TVTSTFR3        "BIT4" RESERVED
           ....  .1..           TVTSTFR4        "BIT5" RESERVED
           ....  ..1.           TVTSTVON        "BIT6" VARY ONLINE REQUEST
           ....  ...1           TVTSTCLD        "BIT7" NJE COLD START
```

```
     SNA MANAGER ECF
953  (3B9)  BITSTRING   1         TVTSNECF     SNA MANAGER ECF

           1...  ....           TVTSNACT        "BIT0" SNA MANAGER IS
                                                ACTIVE
           .1..  ....           TVTSNCPS        "BIT1" OPERATOR COMMAND
                                                POST
           ..1.  ....           TVTSNWRK        "BIT2" WORK TO DO POST
           ...1  ....           TVTSNIDL        "BIT3" IDLE SESSION CHECK
                                                POST
```

```
           ....  1...           TVTSNASR        "BIT4" AUTO SESSION RESTART
                                                 POST
           ....  .1..           TVTSNWAT        "BIT5" WAIT STATE EXT POST
           ....  ..1.           TVTSNAST        "BIT6" MESSAGE PENDING POST
           ....  ...1           TVTSNAST        "BIT7" SCHEDULE ASR TIMER
```

```
     TQI ECF
954  (3BA)  BITSTRING   1         TVTTQECF     TQI ECF

           1...  ....           TVTSUMTF        "BIT0" PROCESS CHECKPOINT
                                                 FILE
           .1..  ....           TVTIFCMF        "BIT1" PROCESS IFCM MESSAGE
           ..1.  ....           TVTCMDVF        "BIT2" PROCESS OPERATOR
                                                 COMMAND
           ...1  ....           TVTACKNF        "BIT3" PROCESS ACK FROM
                                                 BDTGRXD
           ....  1...           TVTCMSDE        "BIT4" COMMAND SLOWDOWN
                                                 ENDED
           ....  .1..           TVTXNSDE        "BIT5" TRANSACTION SLOWDOWN
                                                 ENDED
           ....  ..1.           TVTLNSDE        "BIT5" SLOWDOWN FOR A LINE
                                                 ENDED
           ....  ...1           TVTTQER4        "BIT7" RESERVED
           1111  111.           TVTTQPST        "X'FE'" MASK WAITING ON ALL
                                                 CONDITION
```

```
     TQI INOPERATIVE FLAG
955  (3BB)  BITSTRING   1         TVTTQIOF     TQI INOPERATIVE FLAG

           1111  1111           TVTTQINO        "X'FF'" TQI INOPERATIVE
```

```
     TQI CONTROL FLAG
956  (3BC)  BITSTRING   1         TVTTQIFG     TQI CONTROL FLAG

           1...  ....           TVTTQCSD        "BIT0" TQI COMMAND SLOWDOWN
           .1..  ....           TVTTQXSD        "BIT1" TQI TRANSACTION
                                                 SLOWDOWN
           ..1.  ....           TVTTQRS1        "BIT2" RESERVED
           ...1  ....           TVTTQRS2        "BIT3" RESERVED
           ....  1...           TVTTQRS3        "BIT4" RESERVED
           ....  .1..           TVTTQRS4        "BIT5" RESERVED
           ....  ..1.           TVTTQRS5        "BIT6" RESERVED
           ....  ...1           TVTTQRS6        "BIT7" RESERVED
```

```
     SLOWDOWN FLAGS - GROUP 1
957  (3BD)  BITSTRING   1         TVTCPSD1     SLOWDOWN FLAGS GROUP 1

           1...  ....           TVTFCTSD        "BIT0" FCT CELLPOOL
                                                 SLOWDOWN FLAG
           .1..  ....           TVTJCTSD        "BIT1" JCT CELLPOOL
                                                 SLOWDOWN FLAG
           ..1.  ....           TVTTQISD        "BIT2" TQI CELLPOOL
                                                 SLOWDOWN FLAG
           ...1  ....           TVTCP1R1        "BIT3" RESERVED
           ....  1...           TVTCP1R2        "BIT4" RESERVED
           ....  .1..           TVTCP1R3        "BIT5" RESERVED
           ....  ..1.           TVTCP1R4        "BIT6" RESERVED
           ....  ...1           TVTCP1R5        "BIT7" RESERVED
```

```
     SLOWDOWN FLAGS - GROUP 2
958  (3BE)  BITSTRING   1         TVTCPSD2     SLOWDOWN FLAGS GROUP 2

           1...  ....           TVTICMBS        "BIT0" ICMB CELLPOOL
                                                 SLOWDOWN FLAG
           .1..  ....           TVTIFCSD        "BIT1" IFC CELLPOOL
                                                 SLOWDOWN FLAG
           ..1.  ....           TVTOCMBS        "BIT2" OCMB CELLPOOL
                                                 SLOWDOWN FLAG
           ...1  ....           TVTJMLSD        "BIT3" JML CELLPOOL
                                                 SLOWDOWN FLAG
           ....  1...           TVTSAVSD        "BIT4" SAVE CELLPOOL
                                                 SLOWDOWN FLAG
           ....  .1..           TVTTQESD        "BIT5" TQE CELLPOOL
                                                 SLOWDOWN FLAG
           1111  1111           TVTFALON        "X'FF'" MASK TO TEST IF ANY
                                                 FLGS ON
```

```
     COMMUNICATIONS DRIVER ECF
959  (3BF)  BITSTRING   1         TVTCDECF     COMMUNICATIONS DRIVER ECF

            1...  ....            TVTCDIFC       "BIT0" INTER FUNCTION COMM
                                                  POST
            .1..  ....            TVTCDOCM       "BIT1" OUTPUT CONSOLE
                                                  MESSAGE POST
            ..1.  ....            TVTCDEC1       "BIT2" RESERVED
            ...1  ....            TVTCDMCS       "BIT3" MCS CONSOLE COMMAND
                                                  POST
            ....  1...            TVTCDJES       "BIT4" BDT/JES3 INTERFACE
                                                  STATUS POST
            ....  .1..            TVTCDMOT       "BIT5" TASK TIME POST
            ....  ..1.            TVTCDSSI       "BIT6" SUBSYSTEM INTERFACE
                                                  POST
            ....  ...1            TVTCDEXT       "BIT7" ECF EXTENSION IS
                                                  ACTIVE

     COMMUNICATIONS DRIVER ECF EXTENSION
960  (3C0)  BITSTRING   1         TVTCDECX     COMM DRIVER ECF EXTENSION

            1...  ....            TVTCDNJE       "BIT0" NJE POST
            .1..  ....            TVTCDTRM       "BIT1" CMDV TERMINATION
                                                  ROUTINE POST
            ..1.  ....            TVTCDRS1       "BIT2" RESERVED
            ...1  ....            TVTCDRS2       "BIT3" RESERVED
            ....  1...            TVTCDRS3       "BIT4" RESERVED
            ....  .1..            TVTCDRS4       "BIT5" RESERVED
            ....  ..1.            TVTCDRS5       "BIT6" RESERVED
            ....  ...1            TVTCDRS6       "BIT7" RESERVED

     MESSAGE DATASET DRIVER ECF
961  (3C1)  BITSTRING   1         TVTMSGCF     MESSAGE DATASET DRIVE ECF

            1...  ....            TVTMSGOC       "BIT0" BDTCMMSG OCMB POST
            .1..  ....            TVTMSGTP       "BIT1" TASK TIME POST
            ..1.  ....            TVTMSGCM       "BIT2" CMDV COMMAND POST
            ...1  ....            TVTMSGR1       "BIT3" RESERVED
            ....  1...            TVTMSGR2       "BIT4" RESERVED
            ....  .1..            TVTMSGG3       "BIT5" RESERVED
            ....  ..1.            TVTMSGG4       "BIT6" RESERVED
            ....  ...1            TVTMSGG5       "BIT7" RESERVED
            ....  ...1            TVTMSGTM       "TVTPTERM" TERMINATION POST

     RESERVED FIELDS
962  (3C2)  BITSTRING   1         TVTRSD47     RESERVED
963  (3C3)  BITSTRING   1         TVTRSD53     RESERVED
964  (3C4)  BITSTRING   1         TVTRSD54     RESERVED
965  (3C5)  BITSTRING   1         TVTRSD48     RESERVED
966  (3C6)  BITSTRING   1         TVTRSD49     RESERVED
967  (3C7)  BITSTRING   1         TVTRSD50     RESERVED
968  (3C8)  BITSTRING   1         TVTRSD51     RESERVED
969  (3C9)  BITSTRING   1         TVTRSD52     RESERVED
970  (3CA)  BITSTRING   1         TVTRSD53     RESERVED
971  (3CB)  BITSTRING   1         TVTRSD54     RESERVED
972  (3CC)  BITSTRING   1         TVTRSD55     RESERVED

     UNIVERSAL CONSTANTS AND MISCELLANEOUS DATA
976  (3D0)  FIXED       4         TVTADMSK     CONSTANT FOR ADDRESS MASK
980  (3D4)  BITSTRING   1         TVTBDTPL     USED BY BDTXGMPM FOR DEFAULT
                                                 SUBPOOL
981  (3D5)  CHARACTER   8         TVTBLANK     CONSTANT BLANKS
992  (3E0)  FIXED       4         TVTCPUF      CPU FACTOR
996  (3E4)  CHARACTER   43        TVTDFACT     DEFAULT ACCTG
1039 (40F)  CHARACTER   16        TVTHXCHR     HEXADECIMAL CHARACTERS
1055 (41F)  BITSTRING   1         TVTRSD26     RESERVED
1056 (420)  BITSTRING   4         TVTRMFF      CONSTANT 'FF'S
1060 (424)  BITSTRING   4         TVTRM7F      CONSTANT '7F'S

     SESSION INFORMATION
1064 (428)  ADDRESS     4         TVTSNSET     TOTAL SNA SESSIONS FOR FTF
1068 (42C)  ADDRESS     4         TVTSNSTN     TOTAL SNA SESSIONS FOR NJE
1072 (430)  ADDRESS     4         TVTSNSEL     SESSION LIMIT
1080 (438)              8         TVTZERO      CONSTANT ZEROS
1088 (440)  BITSTRING   1         TVTRSD55     RESERVED
1092 (444)  ADDRESS     4         TVTJMLWA     JOB MESSAGE LOG WORK AREA
```

```
1108  (454)  CHARACTER   5         TVTCID       COMPONENT ID
1113  (459)  CHARACTER   4         TVTCIDB      COMPONENT ID BASE
1117  (45D)  BITSTRING   1         TVTRSS56     RESERVED
1118  (45E)  BITSTRING   1         TVTRSS57     RESERVED
1119  (45F)  BITSTRING   1         TVTRSS58     RESERVED
1120  (460)  ADDRESS     4         TVTRSS59     RESERVED

      NJE STREAM EBCDIC STREAM ID TABLE
1124  (464)  FIXED       2         TVTEBCST
1124  (464)  CHARACTER   3         TVTEBCOM     COMM VLU
1127  (467)  CHARACTER   3         TVTEBCS1     1ST QUARTET
1139  (473)  CHARACTER   3         TVTEBCS2     2ND QUARTET
1151  (47F)  CHARACTER   3         TVTEBCS3     3RD QUARTET
1163  (48B)  CHARACTER   3         TVTEBCS4     4TH QUARTET
1175  (497)  CHARACTER   3         TVTEBCS5     5TH QUARTET
1187  (4A3)  CHARACTER   3         TVTEBCS6     6TH QUARTET
1199  (4AF)  CHARACTER   3         TVTEBCS7     7TH QUARTET
1212  (4BC)  FIXED       2         TVTIDEND     END OF TABLE

      NJE STREAM ID TABLE
1212  (4BC)  FIXED       2         TVTSTRID
1212  (4BC)  BITSTRING   1         TVTSTCOM     COMM VLU
1213  (4BD)  BITSTRING   1         TVTSTID1     STREAM 1
1217  (4C1)  BITSTRING   1         TVTSTID2     STREAM 2
1221  (4C5)  BITSTRING   1         TVTSTID3     STREAM 3
1225  (4C9)  BITSTRING   1         TVTSTID4     STREAM 4
1229  (4CD)  BITSTRING   1         TVTSTID5     STREAM 5
1233  (4D1)  BITSTRING   1         TVTSTID6     STREAM 6
1237  (4D5)  BITSTRING   1         TVTSTID7     STREAM 7
1242  (4DA)  FIXED       2         TVTSTEND     END OF TABLE

      RECURSIVE ABEND PARAMETERS
1244  (4DC)  ADDRESS     4         TVTABTIM     BDTINCD RECURSIVE ABEND TIME
                                                   DELAY
1248  (4E0)  BITSTRING   1         TVTABMAX     SET BY BDTINCD RECURSIVE
                                                   ABEND MAX. ABENDS
1249  (4E1)  BITSTRING   1         TVTRSS60     RESERVED
1250  (4E2)  BITSTRING   1         TVTRSS61     RESERVED
1251  (4E3)  BITSTRING   1         TVTRSS62     RESERVED

      BDT SHARED SUBPOOL ENTRIES
1252  (4E4)  ADDRESS     1         TVTSSP       BDT SHR SUBPL LIST # ENT

1252  (4E4)                        TVTSSPB      BEGIN SHR SUBPL ENTRIES
1252  (4E4)                        TVTSHRSP     DEFAULT SHARED

1253  (4E5)  ADDRESS     1         TVTSSP00     SHARED SUBPOOL 0 SHR SUBPOOL
1254  (4E6)  ADDRESS     1         TVTSSP01     SHARED SUBPOOL 1 SNA CNT BLK
1255  (4E7)  ADDRESS     1         TVTSSP02     SHARED SUBPOOL 2 SNA BUF 1
1256  (4E8)  ADDRESS     1         TVTSSP03     SHARED SUBPOOL 3 SNA BUF 2
1257  (4E9)  ADDRESS     1         TVTSSP04     SHARED SUBPOOL 4 SNA BUF 3
1258  (4EA)  ADDRESS     1         TVTSSP05     SHARED SUBPOOL 5 SNA BUF 4
1259  (4EB)  ADDRESS     1         TVTSSP06     SHARED SUBPOOL 6 MSG DS
1260  (4EC)  ADDRESS     1         TVTSSP07     SHARED SUBPOOL 7
1261  (4ED)  ADDRESS     1         TVTSSP08     SHARED SUBPOOL 8
1262  (4EE)  ADDRESS     1         TVTSSP09     SHARED SUBPOOL 9
1263  (4EF)  ADDRESS     1         TVTSSP0A     SHARED SUBPOOL 10 SAVE CP
1264  (4F0)  ADDRESS     1         TVTSSP0B     SHARED SUBPOOL 11 OCMB CP
1265  (4F1)  ADDRESS     1         TVTSSP0C     SHARED SUBPOOL 12 ICMB CP
1266  (4F2)  ADDRESS     1         TVTSSP0D     SHARED SUBPOOL 13 CSRB CP
1267  (4F3)  ADDRESS     1         TVTSSP0E     SHARED SUBPOOL 14 JCTB CP
1268  (4F4)  ADDRESS     1         TVTSSP0F     SHARED SUBPOOL 15 FCT CP
1269  (4F5)  ADDRESS     1         TVTSSP10     SHARED SUBPOOL 16 DCQE CP
1270  (4F6)  ADDRESS     1         TVTSSP11     SHARED SUBPOOL 17 TQE CP
1271  (4F7)  ADDRESS     1         TVTSSP12     SHARED SUBPOOL 18 JML CP
1272  (4F8)  ADDRESS     1         TVTSSP13     SHARED SUBPOOL 19 IFC CP
1273  (4F9)  ADDRESS     1         TVTSSP14     SHARED SUBPOOL 20 TQCP CP
1274  (4FA)  ADDRESS     1         TVTSSP15     SHARED SUBPOOL 21 NJE IFC CP
1275  (4FB)  ADDRESS     1         TVTSSP27     SHARED SUBPOOL 39 USED FOR
                                                   IFC GETMAINED BUFFERS
1276  (4FC)  ADDRESS     1         TVTSSP28     SHARED SUBPOOL 40 USED FOR
                                                   IFC LCT INPUT BUFFERS

      BDT RESERVED SHARED SUBPOOL ENTRIES
1277  (4FD)  ADDRESS     1         TVTSSP17     SHARED SUBPOOL 23
1278  (4FE)  ADDRESS     1         TVTSSP18     SHARED SUBPOOL 24
1279  (4FF)  ADDRESS     1         TVTSSP19     SHARED SUBPOOL 25
```

```
1280  (500)  ADDRESS     1         TVTSSP1A     SHARED SUBPOOL 26
1281  (501)  ADDRESS     1         TVTSSP1B     SHARED SUBPOOL 27
1282  (502)  ADDRESS     1         TVTSSP1C     SHARED SUBPOOL 28
1283  (503)  ADDRESS     1         TVTSSP1D     SHARED SUBPOOL 29

1283  (503)                       TVTSSPE      END SHR SUBPOOL ENTRIES

1284  (504)  BITSTRING   1         TVTSSRSV     RESERVED
1360  (550)              8                     END OF TABLE
```

```
      BDTXWAIT CONDITION CODE EQUATES
            1111  1111            TVTAWEX       "X'FF'" AWAIT EXIT
                                                 CONDITION CODE
            1...  ...1            TVTAWL        "X'81'" AWAIT LIST ON
                                                 CONDITION CODE
            .1.1  ...1            TVTAWLO       "X'51'" AWAIT LIST OFF
                                                 CONDITION CODE
            1...  ....            TVTAW         "X'80'" AWAIT ON CONDITION
                                                 CODE
            .1.1  ....            TVTAWO        "X'50'" AWAIT OFF CONDITION
                                                 CODE
```

```
      LAMB BDTXRTRN EQUATES
            ....  ....            TVTLOPER      "0" ERROR RETURN FROM
                                                 BDTXLOPN
            ....  .1..            TVTLOPNB      "4" NJE NO OUTPUT BUFFER
                                                 BDTXLOPN
            ....  1...            TVTLOPNM      "8" NORMAL RETURN FROM
                                                 BDTXLOPN
            ....  ....            TVTLCLER      "0" ERROR RETURN FROM
                                                 BDTXLCLS
            ....  .1..            TVTLCLNM      "4" NORMAL RETURN FROM
                                                 BDTXLCLS
            ....  ....            TVTLGTER      "0" ERROR RETURN FROM
                                                 BDTXLGET
            ....  .1..            TVTLGTEF      "4" EOF RETURN FROM
                                                 BDTXLGET
            ....  1...            TVTLGTED      "8" EOF RETURN FROM
                                                 BDTXLGET
            ....  11..            TVTLGTCK      "12" CKPT RETURN FROM
                                                 BDTXLGET
            ...1  ....            TVTLGTEB      "16" EOB RETURN FROM
                                                 BDTXLGET
            ...1  .1..            TVTLGTNM      "20" NORMAL RETURN FROM
                                                 BDTXLGET
            ....  ....            TVTLPTER      "0" ERROR RETURN FROM
                                                 BDTXLPUT
            ....  .1..            TVTLPTEB      "4" EOB RETURN FROM
                                                 BDTXLPUT
            ....  1...            TVTLPTCK      "8" CKPT RETURN FROM
                                                 BDTXLPUT
            ....  11..            TVTLPTMN      "12" NORMAL RETURN FROM
                                                 BDTXLPUT
            ....  ....            TVTLRDER      "0" ERROR RETURN FROM
                                                 BDTXLRD
            ....  .1..            TVTLRDNI      "4" NO INPUT RETURN FROM
                                                 BDTXLRD
            ....  1...            TVTLRDNM      "8" NORMAL RETURN FROM
                                                 BDTXLRD
            ....  ....            TVTLWRER      "0" ERROR RETURN FROM
                                                 BDTXLWRT
            ....  .1..            TVTLWRNB      "4" NO BUFFER OBTAINED
                                                 RETURN
            ....  1...            TVTLWRNM      "8" NORMAL RETURN FROM
                                                 BDTXWRT
            ....  ....            TVTSNDER      "0" ERROR RETURN FROM
                                                 BDTSNSND
            ....  .1..            TVTSNDNM      "4" NORMAL RETURN FROM
                                                 BDTSNSND
            ....  ....            TVTINTFA      "0" INIT SEND RPL FAILED
                                                 BDTSNSND
            ....  .1..            TVTSNDFA      "4" VTAM SEND FAILED IN
                                                 BDTSNSND
            ....  1...            TVTNOBUF      "8" NO BUFFER FOUND IN
                                                 BDTSNSND
```

```
      RESOURCE NAMES
      NOTE RESOURCE NAMES INDEXED BY PRIORITY,
      MUST BE SPECIFIED SEQUENTIALLY TO ENSURE CORRECT
```

```
      OPERATION OF THE BDTXENQ, ADEQ, ATEST ROUTINES.
            ....  ....            RQ            "0"
            ....  ...1            RSV2          "1"
            ....  ..1.            JNCBCTL       "2"
            ....  ..11            SYSUNIT       "3"
            ....  .1..            CHKPNT        "4"
            ....  .1.1            WTD           "5"
            ....  .11.            RSV1          "6"
            ....  .111            AMQ1          "7"
            ....  1...            RSCARNAM      "8" NUMBER OF RESOURCES

      RESOURCE MANAGEMENT FUNCTION VALUES
            ....  ....            RSCNOWAT      "0" NO WAIT
            ....  .1..            RSCWAIT       "4" BUSY=WAIT
            ....  1...            RSCNOFCT      "8" NO FCT
            ....  11..            RSCFCT        "12" FCT
            ...1  ....            RSCTTEST      "16" TYPE=TEST
            ...1  .1..            RSCTFCT       "20" TYPE=FCT

     START OF AREAS OF TVT SAVED FOR INITIALIZATION CHECKPOINTS
1360  (550)  FIXED       4         TVTINSAV     TVT SAVED FROM HERE
1360  (550)  BITSTRING   20        TVTCIDYN     DYNALLOC CARD
1380  (564)  BITSTRING   20        TVTCIDYX     5 EXTENT ENTRIES
1400  (578)  BITSTRING   20        TVTCIDAT     INITIALIZATION CHECKPOINT
                                                 DATA
1420  (58C)  BITSTRING   40        TVTCIDAX     10 EXTENT ENTRIES
1460  (5B4)  BITSTRING   20        TVTCICK1     CHECKPOINT RECORD 1
1480  (5C8)  BITSTRING   20        TVTCICKX     5 EXTENT ENTRIES
1500  (5DC)  BITSTRING   20        TVTCICK2     CHECKPOINT RECORD 2
1520  (5F0)  BITSTRING   20        TVTCICKY     5 EXTENT ENTRIES
1540  (604)  BITSTRING   4         TVTCIJCT     JCT DDB FIXED AREA
1544  (608)  BITSTRING   40        TVTCIJCX     10 EXTENT ENTRIES
1584  (630)  BITSTRING   20        TVTDDBR1     RESERVED
1604  (644)  BITSTRING   20        TVTDDBR2     RESERVED
1624  (658)  BITSTRING   20        TVTDDBR3     RESERVED
1644  (66C)  BITSTRING   1         TVTDDBR4     RESERVED

1644  (66C)                       TVTSAVLN     LENGTH OF DDB SAVE AREA

1664  (680)  FIXED       4         TVTACNTL     ACCTNG TIM'G INTERV .01 SEC
1668  (684)  ADDRESS     1         TVTJBPTY     DEFAULT JOB PRIORITY
1669  (685)  ADDRESS     3         TVTJBRSV     RESERVED
1672  (688)  ADDRESS     4         TVTJBNTL     DEFAULT JOB EXECUTION TIME
1676  (68C)  CHARACTER   8         TVTAPLID     APPLICATION ID FOR OPEN ACB
1684  (694)  CHARACTER   8         TVTAPLNJ     APPLICATION ID FOR NJE ACB
1692  (69C)  FIXED       4         TVTASRTM     ASR TIME DELAY
1696  (6A0)  ADDRESS     4         TVTJBRPD     JOB RETENTION PERIOD (DAYS)
1700  (6A4)  CHARACTER   8         TVTPASWD     PASSWORD FOR OPEN ACB
1708  (6AC)  CHARACTER   8         TVTNJPAS     NJE PASSWORD
1716  (6B4)  CHARACTER   2         TVTRSD25     RESERVED
1718  (6B6)  FIXED       2         TVTRSJCT     RESIDENT JCT MAX COUNT
1720  (6B8)  CHARACTER   8         TVTSYSID     BDT SYSTEM ID FOR FTF
1728  (6C0)  CHARACTER   8         TVTNJEID     BDT SYSTEM ID FOR NJE
1736  (6C8)  ADDRESS     4         TVTTQITD     TQI TIME DELAY 30 SECONDS

      FAILSOFT FLAG 1 DEFINITION
1740  (6CC)  BITSTRING   1         TVTFSFG1     FAILSOFT FLAGS

            .1..  ....            TVTGPBDT       "BIT1" BDT TERMINATION
                                                  REQUIRED
            ..1.  ....            TVTGFSAC       "BIT2" BDT FAIL SOFT IS
                                                  ACTIVE
            ...1  ....            TVTFSUFD       "BIT3" SET BY BDTABN0
                                                  UNFORMATTED DUMP TAKEN OK
            ....  1...            TVTGDMPO       "BIT4" OPTIONS,DUMP=BDT
            ....  .1..            TVTGDMPS       "BIT5" OPTIONS,DUMP=PRDMP
            ....  ..1.            TVTFSNDP       "BIT6" OPTIONS,WANTDUMP=NO
            ....  ...1            TVTFSASK       "BIT7" OPTIONS,WANTDUMP=ASK

      FAILSOFT FLAG 2 & FEATURES DEFINITIONS
1741  (6CD)  BITSTRING   1         TVTFSFG2     FAILSOFT FLAGS

            1...  ....            TVTWSIOE       "BIT0" I/O ERROR DURING
                                                  WARM START
            .1..  ....            TVTFSFR1       "BIT1" RESERVED
            ..1.  ....            TVTFSFR2       "BIT2" RESERVED
            ...1  ....            TVTFSFR3       "BIT3" RESERVED
            ....  1...            TVTFSFR4       "BIT4" RESERVED
```

```
            ....  .1..           TVTFSFR5        "BIT5" RESERVED
            ....  ..1.           TVTFTFFI        "BIT6" FTF FEATURE
                                                  INSTALLED
            ....  ...1           TVTNJEFI        "BIT7" NJE FEATURE
                                                  INSTALLED
```

```
     BDT OPTIONS FLAG BYTE DEFINITION
1742 (6CE)  BITSTRING   1         TVTOPTNS     BDT OPTIONS

            1...  ....           TVTJESAV        "BIT0" JES3 INTERFACE
                                                  AVAILABLE
            .1..  ....           TVTSMIAV        "BIT1" SYSMSG INTERCEPT
                                                  AVAILABLE
            ..1.  ....           TVTJMLAV        "BIT2" JOB MESSAGE LOG
                                                  AVAILABLE
            ...1  ....           TVTAUTRS        "BIT3" AUTO RESTART
                                                  AVAILABLE
            ....  1...           TVTSHUTA        "BIT4" SHUTTLE AVAILABLE
            ....  .1..           TVTBDTRF        "BIT5" BDT RACF SUPPORT
                                                  FLAG OY01465
            ....  ..1.           TVTOPTR3        "BIT6" RESERVED
            ....  ...1           TVTOPTR4        "BIT7" RESERVED
```

```
     TQI AUTO DISABLE FLAG
1743 (6CF)  BITSTRING   1         TVTQIDFG     AUTO DISABLE FLAG FOR TQI

            1111  1111           TVTQINOD        "X'FF'" NO AUTO DISABLE
                                                  VALUE

1744 (6D0)  FIXED       4         TVTSLDRT     SYSLOG DESTINATION ROUTING
                                                  TBL
```

```
     SYSLOG FLAG DEFINITION
1744 (6D0)  BITSTRING   1         TVTSYSLG     SYSLOG FLAGS

            1...  ....           TVTSLGPR        "BIT0" SYSLOG=PRINT
            .1..  ....           TVTSLGJS        "BIT1" SYSLOG=JES3
            ..1.  ....           TVTSLGWO        "BIT2" SYSLOG=WTO
            ...1  ....           TVTSLGP         "BIT3" LOG HAS BEEN STOPPED
            ....  1...           TVTSYSR2        "BIT4" RESERVED
            ....  .1..           TVTSYSR3        "BIT5" RESERVED
            ....  ..1.           TVTSYSR4        "BIT6" RESERVED
            ....  ...1           TVTSYSR5        "BIT7" RESERVED

1745 (6D1)  ADDRESS     3                       BDTDCMDA SYSLOG DESTINATION
                                                  ROUTE TABLE
```

```
     JES IDENTIFIER
1748 (6D4)  CHARACTER   1         TVTJES       JES IDENTIFIER

            1111  ..1.           TVTJES2         "X'F2'" JES2 IDENTIFIER
            1111  ..11           TVTJES3         "X'F3'" JES3 IDENTIFIER
```

```
     CONSTANTS
1749 (6D5)  CHARACTER   1         TVTSLOGC     DEFAULT BDT SYSLOG CLASS
1750 (6D6)  FIXED       2         TVTJSXMX     MAXIMUM SCHEDULED XFERS
1752 (6D8)  FIXED       4         TVTSLOGL     DEFAULT BDT SYSLOG LINE LMT
1756 (6DC)  FIXED       4         TVTSLOGP     DEFAULT BDT SYSLOG PAGE LEN
1760 (6E0)  CHARACTER   8         TVTSYSN      SYSNAME FOR PROC BDT ON
```

```
     RESERVED FIELDS
1768 (6E8)  ADDRESS     4         TVTRSD29     RESERVED
1772 (6EC)  ADDRESS     4         TVTRSD30     RESERVED
1776 (6F0)  ADDRESS     4         TVTRSD31     RESERVED
1780 (6F4)  ADDRESS     4         TVTRSD32     RESERVED
1784 (6F8)  ADDRESS     4         TVTRSD30     RESERVED
1788 (6FC)  ADDRESS     4         TVTRSD31     RESERVED
1792 (700)  ADDRESS     4         TVTRSD32     RESERVED
1796 (704)  ADDRESS     4         TVTRSD33     RESERVED
1800 (708)  ADDRESS     4         TVTRSD34     RESERVED
1804 (70C)  ADDRESS     4         TVTRSD35     RESERVED
1808 (710)  ADDRESS     4         TVTRSU01     RESERVED
1812 (714)  ADDRESS     4         TVTRSU02     RESERVED
1816 (718)  ADDRESS     4         TVTRSU03     RESERVED
1820 (71C)  ADDRESS     4         TVTRSU04     RESERVED
```

```
     END OF AREAS OF TVT SAVED FOR INITIALIZATION CHECKPOINTS
1824 (720)  FIXED       4         TVTENDSV     TVT SAVED UP TO HERE
```

```
     EXECUTABLE CODE CONTAINED IN TVT

     BDTDXOID TVTS
1824 (720)  CHARACTER   4         TVTSXHDR     CONTROL BLOCK ACRONYM
1828 (724)  CHARACTER   4         TVTSXREL     VERSION ID
1832 (728)  ADDRESS     2         TVTSXLEN     XOID LENGTH
1834 (72A)  BITSTRING   8         TVTSXBSI     XACTION ORIGIN BDT SYS ID
1842 (732)  BITSTRING   8         TVTSXBSN     XACTION ORIGIN BDT SYS NAME
```

```
     TRANSACTION ORIGIN TYPE
1850 (73A)  BITSTRING   1         TVTSXTYP     XACTION ORIGIN TYPE

           ....  ...1            TVTSTSO        "1" TSO USER
           ....  ..1.            TVTSJES        "2" JES CONSOLE
           ....  ..11            TVTSBTCH       "3" BATCH JOB
           ....  .1..            TVTSMCS        "4" MCS CONSOLE
           ....  .1.1            TVTSLOG        "5" JOB MESSAGE LOG
           ....  .11.            TVTSFCT        "6" BDT FCT
           ....  .111            TVTSJMC        "7" JES MESSAGE CLASS
           ....  1...            TVTSRDEV       "8" BEGIN DEVELOPMENT
                                                   DEFINED XOIDXTYP
           1...  ....            TVTSUSER       "128" BEGIN USER DEFINED
                                                   XOIDXTYP
```

```
     FLAG 1 DEFINITION
1851 (73B)  BITSTRING   1         TVTSXFL1     XOID FLAG 1

           1...  ....            TVTSXMCL       "BIT0" SUPPRESSION OF
                                                   MESSAGE CLASS
           .1..  ....            TVTSX1R1       "BIT1" RESERVED
           ..1.  ....            TVTSX1R2       "BIT2" RESERVED
           ...1  ....            TVTSX1R3       "BIT3" RESERVED
           ....  1...            TVTSX1R4       "BIT4" RESERVED
           ....  .1..            TVTSX1R5       "BIT5" RESERVED
           ....  ..1.            TVTSX1R6       "BIT6" RESERVED
           ....  ...1            TVTSX1R7       "BIT7" RESERVED
```

```
     MISCELLANEOUS INFORMATION
1852 (73C)  CHARACTER   8         TVTSXDDN     TRANSACTION ORIGIN DDNAME
1852 (73C)  CHARACTER   8         TVTSUSID     TSO USERID
1852 (73C)  CHARACTER   8         TVTSCNDD     JES CONSOLE DDNAME
1852 (73C)  CHARACTER   8         TVTSJCLS     JES MESSAGE CLASS
1852 (73C)  CHARACTER   8         TVTSBJNM     BATCH JOB NAME
1852 (73C)  ADDRESS     1         TVTSMCSI     MCS CONSOLE ID
1852 (73C)  BITSTRING   2         TVTSBJNO     BDT JOB NUMBER
1852 (73C)  BITSTRING   8         TVTSDDRS     DDNAME
```

```
     RESERVED FIELDS
1860 (744)  BITSTRING   4         TVTSXRD2     RESERVED
1864 (748)  BITSTRING   4         TVTSXRD3     RESERVED
1868 (74C)  BITSTRING   4         TVTSXRS1     RESERVED
1872 (750)  BITSTRING   4         TVTSXRS2     RESERVED
1876 (754)  BITSTRING   4         TVTSXRU1     RESERVED
1880 (758)  BITSTRING   4         TVTSXRU2     RESERVED

1880 (758)                        TVTSMCSA     "TVTSMCSI+1,1,C'C'"MCS
                                                  CONSOLE UX28 AUTH
1880 (758)                        TVTSXEND     END OF XOID
1880 (758)                        TVTSXOID     XOID EQUATE
1880 (758)                        TVTSXALL     BSI EQUATE
```

```
     BDTXFDAP CODE=805,DUMP=YES
1884 (75C)  FIXED       2         TVTDM805
1906 (772)  FIXED       2         FAIL0013
1906 (772)  FIXED       2         NGSD0013
1906 (772)  FIXED       2
```

```
     ABEND (1),DUMP ABEND W/SPECIFIED FAILURE CODE
1910 (776)  FIXED       2
1922 (782)  CHARACTER   4         CGSD0013
```

```
      BDTXFDAP CODE=(R1),DUMP=YES
1934  (78E)  FIXED       2
1956  (7A4)  FIXED       2         FAIL0018
1956  (7A4)  FIXED       2         NGSD0018
```

```
      ABEND (1),DUMP ABEND W/SPECIFIED FAILURE CODE
1956  (7A4)  FIXED       2
1968  (7B0)  CHARACTER   4         CGSD0018
```

```
      BDTXFDAP CODE=651,DUMP=YES
1972  (7B4)  FIXED       2         TVTDM651
1994  (7CA)  FIXED       2         FAIL0023
1994  (7CA)  FIXED       2         NGSD0023
1994  (7CA)  FIXED       2
```

```
      ABEND (1),DUMP ABEND W/SPECIFIED FAILURE CODE
1998  (7CE)  FIXED       2
2010  (7DA)  CHARACTER   4         CGSD0023
2016  (7E0)              8         TVTEND       END OF TABLE
```

```
      END OF BDTDTVT (TVTABLE)
      BDTDDDB
      DATA DESCRIPTION BLOCK
      DATA DESCRIPTION BLOCK (DDB) REQUEST AREA
0     (0)    ADDRESS     4         DDBRQADR     AREA ADDR
4     (4)    ADDRESS     4         DDBRQDSP     DISPL INTO DATA
8     (8)    ADDRESS     4         DDBRQLEN     LEN OF DATA
12    (C)    BITSTRING   1         DDBRQEND     END OF ENTRY
12    (C)    BITSTRING   1         DDBRQSZE     SIZE OF ENTRY
```

```
      DATA DESCRIPTION BLOCK (DDB) FIXED AREA
12    (C)    FIXED       4         DDBFX        START OF DDB FIXED AREA
12    (C)    BITSTRING   1         DDBFXENO     NO OF EXTENTS
13    (D)    BITSTRING   3         DDBFXLEN     LEN OF DATA
16    (10)   BITSTRING   1         DDBFXEND     END OF ENTRY
16    (10)   BITSTRING   1         DDBFXSZE     SIZE OF ENTRY
```

```
      DATA DESCRIPTION BLOCK (DDB) EXTENT ENTRY
16    (10)   FIXED       4         DDBEX        START OF DDB EXTENT ENTRY
16    (10)   BITSTRING   1         DDBEXNOR     NO OF RCDS IN EXTENT
17    (11)   BITSTRING   3         DDBEXRBA     STARTING REL BLOCK ADDR
                                                   (BDAM)
20    (14)   BITSTRING   1         DDBEXEND     END OF ENTRY
20    (14)   BITSTRING   1         DDBEXSZE     SIZE OF ENTRY

            ....  1...            DDBFIXSZ       "L'DDBFXSZE+L'DDBEXSZE"
                                                   SIZE OF SINGLE EXTENT
                                                   DDBSZ
            ...1  .1..            DDBSZ          "L'DDBRQSZE+L'DD
                                                   BFXSZE+DDBEXSZE" SIZE OF
                                                   FULL DDB
```

```
                          CROSS REFERENCE
                           HEX     HEX
NAME                       OFFSET  VALUE  LEVEL

AMQ                        550     7      2
CGSD0023                   7DA     C7E2   2
CHKPNT                     550     4      2
DDBEX                      10             2
DDBEXEND                   14             2
DDBEXNOR                   10             2
DDBEXRBA                   11             2
DDBEXSZE                   14             2
DDBFIXSZ                   14      8      2
DDBFX                      C              2
DDBFXEND                   10             2
DDBFXENO                   C              2
DDBFXLEN                   D              2
DDBFXSZE                   10             2
DDBRQADR                   0              2
DDBRQDSP                   4              2
DDBRQEND                   C              2
DDBRQLEN                   8              2
```

```
DDBRQSZE                C               2
DDBSZ                   14      14      2
JNCBCTL                 550     2       2
RQ                      550     0       2
RSCARNAM                550     8       2
RSCFCT                  550     C       2
RSCNOFCT                550     8       2
RSCNOWAT                550     0       2
RSCTFCT                 550     14      2
RSCTTEST                550     10      2
RSCWAIT                 550     4       2
RSV1                    550     6       2
RSV2                    550     1       2
SYSUNIT                 550     3       2
TVTABDCB                1C8             2
TVTABLE                 0       0       2
TVTABMAX                4E0     3       2
TVTABMN0                58              2
TVTABND0                5C              2
TVTABNGT                134             2
TVTABSRV                60              2
TVTABTIM                4DC             2
TVTACECF                3B2     0       2
TVTACEC1                3B2     10      2
TVTACEC2                3B2     8       2
TVTACEC3                3B2     4       2
TVTACEC4                3B2     2       2
TVTACEC5                3B2     1       2
TVTACKNF                3BA     10      2
TVTACNTL                680     0       2
TVTACPST                3B2     80      2
TVTADEQ                 20              2
TVTADFCT                74              2
TVTADFQE                240             2
TVTADMSK                3D0     FF      2
TVTAENQ                 20      20      2
TVTAGTMN                28              2
TVTALLOC                2C              2
TVTAMECB                29D             2
TVTAMQUE                2AC             2
TVTANALZ                3B6     10      2
TVTAPLID                68C     4040    2
TVTAPLNJ                694     4040    2
TVTAPTMN                24              2
TVTASAVE                18              2
TVTASRTM                69C     0       2
TVTASVRT                1C              2
TVTATEST                20      20      2
TVTATPST                3B2     20      2
TVTAUTRS                6CE     10      2
TVTAW                   550     80      2
TVTAWAIT                44      80      2
TVTAWEX                 550     FF      2
TVTAWL                  550     81      2
TVTAWLO                 550     51      2
TVTAWO                  550     50      2
TVTAWTA                 45              2
TVTAWTE                 54      FF      2
TVTAWTEA                55              2
TVTAWTL                 48      81      2
TVTAWTLA                49              2
TVTAWTOA                4D              2
TVTAWTOF                4C      50      2
TVTAWTOL                50      51      2
TVTBDKEY                130             2
TVTBDTPL                3D4     0       2
TVTBLANK                3D5     4040    2
TVTBTAB                 2B0             2
TVTBUFSZ                356     0       2
TVTCALL0                27C     40      2
TVTCDECF                3BF     0       2
TVTCDECX                3C0     0       2
TVTCDEC1                3BF     20      2
TVTCDEXT                3BF     1       2
TVTCDIFC                3BF     80      2
TVTCDJES                3BF     8       2
TVTCDMCS                3BF     10      2
TVTCDMOT                3BF     4       2
TVTCDNJE                3C0     80      2
TVTCDOCM                3BF     40      2
TVTCDRS1                3C0     20      2
TVTCDRS2                3C0     10      2
```

TVTCDRS3	3C0	8	2
TVTCDRS4	3C0	4	2
TVTCDRS5	3C0	2	2
TVTCDRS6	3C0	1	2
TVTCDSSI	3BF	2	2
TVTCDTRM	3C0	40	2
TVTCICKX	5C8	0	2
TVTCICKY	5F0	0	2
TVTCICK1	5B4	0	2
TVTCICK2	5DC	0	2
TVTCID	454	F3F0	2
TVTCIDAT	578	0	2
TVTCIDAX	58C	0	2
TVTCIDB	459	F5F6	2
TVTCIDYN	550	0	2
TVTCIDYX	564	0	2
TVTCIJCT	604	0	2
TVTCIJCX	608	0	2
TVTCKPAR	2B4		2
TVTCKPNT	130		2
TVTCLDAP	278	0	2
TVTCMDVF	3BA	20	2
TVTCMSDE	3BA	8	2
TVTCMTCB	2B8		2
TVTCOLDS	3B6	80	2
TVTCONR1	3B7	8	2
TVTCONR2	3B7	4	2
TVTCONR3	3B7	2	2
TVTCONR4	3B7	1	2
TVTCONTS	3B7	20	2
TVTCPSD1	3BD	0	2
TVTCPSD2	3BE	0	2
TVTCPUF	3E0	0	2
TVTCPUID	35C		2
TVTCPUVC	35C	0	2
TVTCPUVX	35D	0	2
TVTCP1R1	3BD	10	2
TVTCP1R2	3BD	8	2
TVTCP1R3	3BD	4	2
TVTCP1R4	3BD	2	2
TVTCP1R5	3BD	1	2
TVTCSECF	6C		2
TVTCSF	138		2
TVTCSPST	6C	80	2
TVTCSRCP	70		2
TVTCSRQR	6C		2
TVTCSRQU	2BC		2
TVTCSRS1	6C	40	2
TVTCSRS2	6C	20	2
TVTCSRS3	6C	10	2
TVTCSRS4	6C	8	2
TVTCSRS5	6C	4	2
TVTCSRS6	6C	2	2
TVTCSTRM	6C	1	2
TVTDDBFX	348	0	2
TVTDDBRQ	33C	0	2
TVTDDBR1	630	0	2
TVTDDBR2	644	0	2
TVTDDBR3	658	0	2
TVTDDBR4	66C	0	2
TVTDFACT	3E4	94D	2
TVTDISCS	3B7	40	2
TVTDJNR	13C		2
TVTDLFCT	78		2
TVTDM805	75C		2
TVTDQMSG	110		2
TVTDYNS0	27C	80	2
TVTEBCOM	464	C3D6	2
TVTEBCST	464		2
TVTEBCS1	467	D6D1	2
TVTEBCS2	473	D6D1	2
TVTEBCS3	47F	D6D1	2
TVTEBCS4	48B	D6D1	2
TVTEBCS5	497	D6D1	2
TVTEBCS6	4A3	D6D1	2
TVTEBCS7	4AF	D6D1	2
TVTEFTOP	2C0		2
TVTEND	550		2
TVTENDSV	720		2
TVTENFCT	7C		2
TVTEPE	1C8		2
TVTEPS	18		2

```
TVTEXL                  184             2
TVTFALON                3BE     FF      2
TVTFCTCP                1D8             2
TVTFCTSD                3BD     80      2
TVTFCTTP                2C8             2
TVTFDJNR                8C              2
TVTFLDAP                64              2
TVTFSASK                6CC     1       2
TVTFSFG1                6CC     0       2
TVTFSFG2                6CD     0       2
TVTFSFR1                6CD     40      2
TVTFSFR2                6CD     20      2
TVTFSFR3                6CD     10      2
TVTFSFR4                6CD     8       2
TVTFSFR5                6CD     4       2
TVTFSNDP                6CC     2       2
TVTFSUFD                6CC     10      2
TVTFTFEC                27C     4       2
TVTFTFFI                6CD     2       2
TVTGDMPO                6CC     8       2
TVTGDMPS                6CC     4       2
TVTGETLU                A4              2
TVTGFSAC                6CC     20      2
TVTGPBDT                6CC     40      2
TVTGSDAX                68              2
TVTGTFCT                80              2
TVTHOTST                3B6     20      2
TVTHXCHR                40F     F0F1    2
TVTICMBS                3BE     80      2
TVTICMCP                1DC             2
TVTID                   0       E3E5    2
TVTIDEND                4BC             2
TVTIFC                  208             2
TVTIFCCH                36C     0       2
TVTIFCCP                1E0             2
TVTIFCCT                364     0       2
TVTIFCGH                368     0       2
TVTIFCGM                360     0       2
TVTIFCMF                3BA     40      2
TVTIFCSD                3BE     40      2
TVTIFECF                88              2
TVTIFNCP                1E4             2
TVTIFPST                88      80      2
TVTIFSND                88              2
TVTINCMP                1CC     80      2
TVTINDAT                C               2
TVTINDTA                1D0             2
TVTINIR1                1CC     40      2
TVTINIR2                1CC     20      2
TVTINIR3                1CC     10      2
TVTINIR4                1CC     8       2
TVTINIR5                1CC     4       2
TVTINIR6                1CC     2       2
TVTINIR7                1CC     1       2
TVTINITF                1CC     0       2
TVTINITS                3B7     80      2
TVTINSAV                550             2
TVTINTFA                550     0       2
TVTINTIM                10              2
TVTITECB                298             2
TVTITKPM                2D0             2
TVTJBNTL                688             2
TVTJBPTY                684             2
TVTJBRPD                6A0             2
TVTJBRSV                685             2
TVTJCBCP                1E8             2
TVTJCTSD                3BD     40      2
TVTJES                  6D4     F0      2
TVTJESAV                6CE     80      2
TVTJES2                 6D4     F2      2
TVTJES3                 6D4     F3      2
TVTJMLAV                6CE     20      2
TVTJMLCP                1EC             2
TVTJMLSD                3BE     10      2
TVTJMLWA                444             2
TVTJNM                  2D4             2
TVTJNUMR                94              2
TVTJOBNR                90              2
TVTJQX                  2D8             2
TVTJSACT                3B5     40      2
TVTJSCKP                3B5     20      2
TVTJSCMX                394     0       2
```

```
TVTJSDUC                3B4     80      2
TVTJSEFA                3B4     2       2
TVTJSEFN                3B4     10      2
TVTJSFL1                3B4     0       2
TVTJSFL2                3B5     0       2
TVTJSFR1                3B5     80      2
TVTJSFR2                3B5     10      2
TVTJSFR3                3B5     8       2
TVTJSFR4                3B5     4       2
TVTJSFR5                3B5     2       2
TVTJSFR6                3B5     1       2
TVTJSGPS                3B4     80      2
TVTJSJCA                3B4     80      2
TVTJSLPS                3B4     4       2
TVTJSNPS                3B4     20      2
TVTJSPRG                3B4     40      2
TVTJSRPS                3B4     1       2
TVTJSSFC                2DC             2
TVTJSSNJ                9C              2
TVTJSSRT                98              2
TVTJSTRM                3B4     8       2
TVTJSTSC                3B4     80      2
TVTJSXMX                6D6     40      2
TVTLBDCB                2E0             2
TVTLCLER                550     0       2
TVTLCLNM                550     4       2
TVTLCLS0                B0              2
TVTLCTUN                20C             2
TVTLGET0                B8              2
TVTLGREC                CC              2
TVTLGTCK                550     C       2
TVTLGTEB                550     10      2
TVTLGTED                550     8       2
TVTLGTEF                550     4       2
TVTLGTER                550     0       2
TVTLGTNM                550     14      2
TVTLNGTH                8       550     2
TVTLNOHI                396     28      2
TVTLNOLO                398     14      2
TVTLNSDE                3BA     2       2
TVTLOPER                550     0       2
TVTLOPN0                AC              2
TVTLOPNB                550     4       2
TVTLOPNM                550     8       2
TVTLPTCK                550     8       2
TVTLPTEB                550     4       2
TVTLPTER                550     0       2
TVTLPTNM                550     C       2
TVTLPUT0                B4              2
TVTLRDER                550     0       2
TVTLRDNI                550     4       2
TVTLRDNM                550     8       2
TVTLRD0                 BC              2
TVTLWRER                550     0       2
TVTLWRNB                550     4       2
TVTLWRNM                550     8       2
TVTLWRT0                C0              2
TVTMCECB                2A0             2
TVTMCOFF                2A0     7F      2
TVTMCON                 2A0     80      2
TVTMECBL                29C             2
TVTMESAG                148             2
TVTMFMEP                150             2
TVTMODLK                144             2
TVTMSECB                2A4             2
TVTMSGCF                3C1     0       2
TVTMSGCM                3C1     20      2
TVTMSGDV                224             2
TVTMSGOC                3C1     80      2
TVTMSGQU                2CC             2
TVTMSGR1                3C1     10      2
TVTMSGR2                3C1     8       2
TVTMSGR3                3C1     4       2
TVTMSGR4                3C1     2       2
TVTMSGR5                3C1     1       2
TVTMSGTM                3C1     1       2
TVTMSGTP                3C1     40      2
TVTMSOFF                2A4     7F      2
TVTMSON                 2A4     80      2
TVTMSTCB                1D4             2
TVTMTECB                29C     80      2
TVTMTOFF                29C     7F      2
```

```
TVTMTON                 29C     80      2
TVTNETOP                2C4             2
TVTNJEEC                27C     2       2
TVTNJEFI                6CD     1       2
TVTNJEID                6C0     4040    2
TVTNJPAS                6AC     4040    2
TVTNMSG                 14C             2
TVTNOBUF                550     8       2
TVTNRDAP                274     0       2
TVTNUCNA                2ED             2
TVTNUCND                2EC     80      2
TVTNUECB                2A8             2
TVTNUMAP                1F0             2
TVTOCMBS                3BE     20      2
TVTOCMCP                1F4             2
TVTOCMQU                2F0             2
TVTOMPST                3B2     40      2
TVTOPTNS                6CE     0       2
TVTOPTR2                6CE     4       2
TVTOPTR3                6CE     2       2
TVTOPTR4                6CE     1       2
TVTPABMN                27C     8       2
TVTPASWD                6A4     4040    2
TVTPCMDV                27D     80      2
TVTPERR                 27D     20      2
TVTPFLG1                27C     0       2
TVTPFLG2                27D     0       2
TVTPF2R1                27D     8       2
TVTPF2R2                27D     4       2
TVTPF2R3                27D     2       2
TVTPF2R4                27D     1       2
TVTPGRGS                27D     10      2
TVTPGRJS                27D     40      2
TVTPRES0                27C     10      2
TVTPRES4                27C     20      2
TVTPRMST                3B6     8       2
TVTPTERM                27C     1       2
TVTPTFCT                84              2
TVTPUTLU                A8              2
TVTQIDFG                6CF     0       2
TVTQINOD                6CF     FF      2
TVTRALC0                DC              2
TVTRCLS0                E0              2
TVTRELNR                14      F1F0    2
TVTRFMT0                D8              2
TVTRLTTB                214             2
TVTRMFF                 420     FFFF    2
TVTRM7F                 424     7F7F    2
TVTROPN0                E4              2
TVTRPRG0                E8              2
TVTRQTBA                114             2
TVTRQTBD                118             2
TVTRQTBP                11C             2
TVTRRED0                EC              2
TVTRSDAP                270     0       2
TVTRSD01                D0              2
TVTRSD02                D4              2
TVTRSD05                15C             2
TVTRSD06                168             2
TVTRSD10                180             2
TVTRSD11                188             2
TVTRSD12                18C             2
TVTRSD13                190             2
TVTRSD14                194             2
TVTRSD15                198             2
TVTRSD17                228             2
TVTRSD18                22C             2
TVTRSD19                2E4             2
TVTRSD20                30C             2
TVTRSD21                310             2
TVTRSD22                314             2
TVTRSD23                318             2
TVTRSD24                31C             2
TVTRSD25                6B4     4040    2
TVTRSD26                41F     0       2
TVTRSD29                6E8             2
TVTRSD30                6EC             2
TVTRSD31                6F0             2
TVTRSD32                6F4             2
TVTRSD33                350     0       2
TVTRSD34                358             2
TVTRSD36                39A     0       2
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TVTRSD37                39C     0       2
TVTRSD38                39E     0       2
TVTRSD39                3A0     0       2
TVTRSD40                3A2     0       2
TVTRSD41                3A4     0       2
TVTRSD44                3B3     0       2
TVTRSD47                3C2     0       2
TVTRSD51                140             2
TVTRSD53                3C3     0       2
TVTRSD54                3C4     0       2
TVTRSD55                440     0       2
TVTRSD56                380     0       2
TVTRSD57                384     0       2
TVTRSD58                388     0       2
TVTRSD59                38C     0       2
TVTRSD60                390     0       2
TVTRSJCT                6B6     0       2
TVTRSS05                19C             2
TVTRSS06                1A0             2
TVTRSS07                1A4             2
TVTRSS08                1A8             2
TVTRSS09                1AC             2
TVTRSS10                1B0             2
TVTRSS11                1B4             2
TVTRSS12                1B8             2
TVTRSS13                1BC             2
TVTRSS14                1C0             2
TVTRSS15                1C4             2
TVTRSS16                230             2
TVTRSS17                234             2
TVTRSS18                238             2
TVTRSS19                28C             2
TVTRSS20                290             2
TVTRSS21                294             2
TVTRSS23                320             2
TVTRSS24                324             2
TVTRSS25                328             2
TVTRSS26                32C             2
TVTRSS27                330             2
TVTRSS28                334             2
TVTRSS29                338             2
TVTRSS30                6F8             2
TVTRSS31                6FC             2
TVTRSS32                700             2
TVTRSS33                704             2
TVTRSS34                708             2
TVTRSS35                70C             2
TVTRSS40                3A6     0       2
TVTRSS41                3A8     0       2
TVTRSS42                3AA     0       2
TVTRSS43                3AC     0       2
TVTRSS44                3AE     0       2
TVTRSS45                3B0     0       2
TVTRSS48                3C5     0       2
TVTRSS49                3C6     0       2
TVTRSS50                3C7     0       2
TVTRSS51                3C8     0       2
TVTRSS52                3C9     0       2
TVTRSS53                3CA     0       2
TVTRSS54                3CB     0       2
TVTRSS55                3CC     0       2
TVTRSS56                45D     0       2
TVTRSS57                45E     0       2
TVTRSS58                45F     0       2
TVTRSS59                460             2
TVTRSS60                4E1     0       2
TVTRSS61                4E2     0       2
TVTRSS62                4E3     0       2
TVTRSTBL                2F4             2
TVTRSTFL                3B6     0       2
TVTRSTPU                210             2
TVTRSTR1                3B6     4       2
TVTRSTR2                3B6     2       2
TVTRSTR3                3B6     1       2
TVTRSU01                710             2
TVTRSU02                714             2
TVTRSU03                718             2
TVTRSU04                71C             2
TVTRSU05                370             2
TVTRSU06                374             2
TVTRSU07                378             2
TVTRSU08                37C             2
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TVTRSV01	260		2
TVTRSV02	264		2
TVTRSV03	268		2
TVTRSV04	26C		2
TVTRSV05	27E	0	2
TVTRSV06	280		2
TVTRSV07	284		2
TVTRSV08	288		2
TVTRWRT0	F0		2
TVTSAVSD	3BE	8	2
TVTSBJNM	73C		2
TVTSBJNO	73C		2
TVTSBTCH	73A	3	2
TVTSCAN	2FC		2
TVTSCDTA	104		2
TVTSCNDD	73C		2
TVTSCPD	1F8		2
TVTSDDRS	73C	0	2
TVTSDVBL	174	174	2
TVTSETC	3B7	20	2
TVTSETD	3B7	40	2
TVTSETI	3B7	80	2
TVTSETS	3B7	10	2
TVTSFCT	73A	6	2
TVTSHRSP	4E5	4E5	2
TVTSHUTA	6CE	8	2
TVTSJCLS	73C		2
TVTSJES	73A	2	2
TVTSJMC	73A	7	2
TVTSLACB	174		2
TVTSLDRT	6D0		2
TVTSLEXL	178		2
TVTSLGJS	6D0	40	2
TVTSLGP	6D0	10	2
TVTSLGPR	6D0	80	2
TVTSLGWO	6D0	20	2
TVTSLOG	73A	5	2
TVTSLOGC	6D5	C1	2
TVTSLOGL	6D8	1	2
TVTSLOGP	6DC	0	2
TVTSLRPL	17C		2
TVTSMCS	73A	4	2
TVTSMCSA	73D	73D	2
TVTSMCSI	73C		2
TVTSMIAV	6CE	40	2
TVTSNACT	3B9	80	2
TVTSNASR	3B9	8	2
TVTSNAST	3B9	1	2
TVTSNBP	218		2
TVTSNCLS	F8		2
TVTSNCPS	3B9	40	2
TVTSNDER	550	0	2
TVTSNDFA	550	4	2
TVTSNDNM	550	4	2
TVTSNECF	3B9	0	2
TVTSNGET	FC		2
TVTSNIDL	3B9	10	2
TVTSNIMP	3B9	2	2
TVTSNLTP	21C		2
TVTSNOPN	F4		2
TVTSNPUT	100		2
TVTSNRD	108		2
TVTSNSEL	430		2
TVTSNSET	428		2
TVTSNSTN	42C		2
TVTSNWAT	3B9	4	2
TVTSNWRK	3B9	20	2
TVTSNWRT	10C		2
TVTSPDCB	300		2
TVTSPNDS	3B7	10	2
TVTSRDEV	73A	8	2
TVTSSCVT	304		2
TVTSSP	4E4		2
TVTSSPB	4E5	4E5	2
TVTSSPE	504	504	2
TVTSSP0A	4EF		2
TVTSSP0B	4F0		2
TVTSSP0C	4F1		2
TVTSSP0D	4F2		2
TVTSSP0E	4F3		2
TVTSSP0F	4F4		2
TVTSSP00	4E5		2

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TVTSSP01                4E6           2
TVTSSP02                4E7           2
TVTSSP03                4E8           2
TVTSSP04                4E9           2
TVTSSP05                4EA           2
TVTSSP06                4EB           2
TVTSSP07                4EC           2
TVTSSP08                4ED           2
TVTSSP09                4EE           2
TVTSSP1A                500           2
TVTSSP1B                501           2
TVTSSP1C                502           2
TVTSSP1D                503           2
TVTSSP10                4F5           2
TVTSSP11                4F6           2
TVTSSP12                4F7           2
TVTSSP13                4F8           2
TVTSSP14                4F9           2
TVTSSP15                4FA           2
TVTSSP17                4FD           2
TVTSSP18                4FE           2
TVTSSP19                4FF           2
TVTSSP27                4FB           2
TVTSSP28                4FC           2
TVTSSRSV                504     0     2
TVTSTATE                3B7     0     2
TVTSTCLD                3B8     1     2
TVTSTCOM                4BC     0     2
TVTSTEND                4DA           2
TVTSTFLG                3B8     0     2
TVTSTFR3                3B8     8     2
TVTSTFR4                3B8     4     2
TVTSTGLS                2E8           2
TVTSTID1                4BD     9899  2
TVTSTID2                4C1     A8A9  2
TVTSTID3                4C5     B8B9  2
TVTSTID4                4C9     C8C9  2
TVTSTID5                4CD     D8D9  2
TVTSTID6                4D1     E8E9  2
TVTSTID7                4D5     F8F9  2
TVTSTOPN                3B8     20    2
TVTSTORS                3B8     10    2
TVTSTRID                4BC           2
TVTSTRSM                3B8     40    2
TVTSTSO                 73A     1     2
TVTSTSPN                3B8     80    2
TVTSTVON                3B8     2     2
TVTSUMTF                3BA     80    2
TVTSUPC                 154           2
TVTSUSER                73A     80    2
TVTSUSID                73C           2
TVTSVCPB                1FC           2
TVTSXALL                72A     72A   2
TVTSXBSI                72A     0     2
TVTSXBSN                732     0     2
TVTSXDDN                73C           2
TVTSXEND                75C     75C   2
TVTSXFL1                73B     0     2
TVTSXHDR                720     E7D6  2
TVTSXLEN                728     3C    2
TVTSXMCL                73B     80    2
TVTSXOID                720     720   2
TVTSXRD2                744     0     2
TVTSXRD3                748     0     2
TVTSXREL                724     F1F0  2
TVTSXRS1                74C     0     2
TVTSXRS2                750     0     2
TVTSXRU1                754     0     2
TVTSXRU2                758     0     2
TVTSXTYP                73A     0     2
TVTSX1R1                73B     40    2
TVTSX1R2                73B     20    2
TVTSX1R3                73B     10    2
TVTSX1R4                73B     8     2
TVTSX1R5                73B     4     2
TVTSX1R6                73B     2     2
TVTSX1R7                73B     1     2
TVTSYSID                6B8     4040  2
TVTSYSLG                6D0     0     2
TVTSYSN                 6E0     4040  2
TVTSYSR2                6D0     8     2
TVTSYSR3                6D0     4     2
```

```
TVTSYSR4                  6D0     2       2
TVTSYSR5                  6D0     1       2
TVTSZBUF                  354             2
TVTSZBUX                  354     0       2
TVTTQCSD                  3BC     80      2
TVTTQECF                  3BA     0       2
TVTTQECP                  200             2
TVTTQER4                  3BA     1       2
TVTTQESD                  3BE     4       2
TVTTQICP                  204             2
TVTTQIFG                  3BC     0       2
TVTTQINO                  3BB     FF      2
TVTTQIOF                  3BB     0       2
TVTTQISD                  3BD     20      2
TVTTQITD                  6C8             2
TVTTQPST                  3BA     FE      2
TVTTQRS1                  3BC     20      2
TVTTQRS2                  3BC     10      2
TVTTQRS3                  3BC     8       2
TVTTQRS4                  3BC     4       2
TVTTQRS5                  3BC     2       2
TVTTQRS6                  3BC     1       2
TVTTQXSD                  3BC     40      2
TVTTRTAB                  2F8             2
TVTTUAM                   158             2
TVTVATR                   C8              2
TVTVERS                   4       F2F0    2
TVTVMSYS                  35D     FF      2
TVTWARMS                  3B6     40      2
TVTWFCT                   308             2
TVTWSIOE                  6CD     80      2
TVTWTOLA                  51              2
TVTXACC                   16C             2
TVTXBPL                   30              2
TVTXCKPT                  A0              2
TVTXCOMP                  128             2
TVTXCPD                   34              2
TVTXDCMP                  12C             2
TVTXDECF                  25C     0       2
TVTXDIFC                  25C     40      2
TVTXDPL                   40              2
TVTXDQCT                  244             2
TVTXDQHI                  248             2
TVTXDQLO                  24A             2
TVTXDQR1                  25C     20      2
TVTXDQR2                  25C     10      2
TVTXDQR3                  25C     8       2
TVTXDQR4                  25C     4       2
TVTXDQR5                  25C     2       2
TVTXDQR6                  25C     1       2
TVTXDQUE                  240             2
TVTXDXQD                  25C     80      2
TVTXFER                   220             2
TVTXGCL                   38              2
TVTXJCT                   120             2
TVTXJQE                   124             2
TVTXLOG                   170             2
TVTXMQ                    250             2
TVTXMQCT                  254             2
TVTXMQHI                  258             2
TVTXMQLO                  25A             2
TVTXMQUE                  250             2
TVTXNSDE                  3BA     4       2
TVTXOIDF                  160             2
TVTXRCL3                  C               2
TVTXTIME                  164             2
TVTXTRC                   C4              2
TVTZERO                   438     0       2
WTD                       550     5       2
```

Chapter 14. Trace Work Area — TWA

The TWA is an input control block for the BDTGRTX trace facility module. At the time of entry to BDTGRTX, register 11 points to the TWA data area.

There is one TWA for each resident BDT function and for each scheduled job.

Function:	The contents of the TWA are used to create a trace entry in the BDT trace table.
Macro ID:	BDTDTWA
DSECT name:	TWASTART
Created by:	BDTGRFC
Size:	Hex CC bytes
Pointed to by:	GSDTWA
Location:	The FCT subpool

OFFSETS		TYPE	LENGTH	NAME	DESCRIPTION
	TRACE WORK AREA				
0	(0)	CHARACTER	4	TWACBID	CONTROL BLOCK ID
4	(4)	CHARACTER	4	TWAREL	VERSION RELEASE ID
8	(8)	ADDRESS	2	TWALEN	CONTROL BLOCK SIZE
10	(A)	BITSTRING	1	TWAWORK	GENERIC FOR TWA WORK AREA
10	(A)	CHARACTER	4	TWANAME	CHARS 4 7 OF MODULE NAME
14	(E)	BITSTRING	1	TWARES	RESERVED FOR DEV
15	(F)	CHARACTER	1	TWAID	ID FOR THIS TRACE ENTRY
16	(10)	ADDRESS	2	TWAOFF	OFFSET IN MOD FOR BDTXTRC
20	(14)	FIXED	4	TWATW	GENERIC FOR ALL TWATW WORDS
20	(14)	ADDRESS	4	TWATW1	TRC ENT BDTXTRC ENTRY WORD 1
24	(18)	ADDRESS	4	TWATW2	TRC ENT BDTXTRC ENTRY WORD 2
28	(1C)	ADDRESS	4	TWATW3	TRC ENT BDTXTRC ENTRY WORD 3
32	(20)	ADDRESS	4	TWATW4	TRC ENT BDTXTRC ENTRY WORD 4
36	(24)	ADDRESS	4	TWATW5	TRC ENT BDTXTRC ENTRY WORD 5
40	(28)	ADDRESS	4	TWATW6	TRC ENT BDTXTRC ENTRY WORD 6
44	(2C)	BITSTRING	1	TWATWEND	GENERIC FOR ALL TWATW WORDS
44	(2C)	BITSTRING	1	TWAREGS	TRC ENT REG SAVE AREA
44	(2C)	ADDRESS	4	TWAR00	TRC ENT REG 00
48	(30)	ADDRESS	4	TWAR01	TRC ENT REG 01
52	(34)	ADDRESS	4	TWAR02	TRC ENT REG 02
56	(38)	ADDRESS	4	TWAR03	TRC ENT REG 03
60	(3C)	ADDRESS	4	TWAR04	TRC ENT REG 04
64	(40)	ADDRESS	4	TWAR05	TRC ENT REG 05
68	(44)	ADDRESS	4	TWAR06	TRC ENT REG 06
72	(48)	ADDRESS	4	TWAR07	TRC ENT REG 07
76	(4C)	ADDRESS	4	TWAR08	TRC ENT REG 08
80	(50)	ADDRESS	4	TWAR09	TRC ENT REG 09
84	(54)	ADDRESS	4	TWAR10	TRC ENT REG 10
88	(58)	ADDRESS	4	TWAR11	TRC ENT REG 11
92	(5C)	ADDRESS	4	TWAR12	TRC ENT REG 12
96	(60)	ADDRESS	4	TWAR13	TRC ENT REG 13
100	(64)	ADDRESS	4	TWAR14	TRC ENT REG 14
104	(68)	ADDRESS	4	TWAR15	TRC ENT REG 15
108	(6C)	ADDRESS	4	TWASAVE	BDTXTRC REG SAVE AREA
176	(B0)		8	TWASTCL	TRC ENT TIME FIELD
184	(B8)	ADDRESS	4	TWARETC	RC FROM LAST GRTX CALL
188	(BC)	ADDRESS	4	TWARES1	RES FOR DESIGN
192	(C0)	ADDRESS	4	TWARES2	RES FOR DESIGN
196	(C4)	ADDRESS	4	TWARES3	RES FOR SERVICE
200	(C8)	ADDRESS	4	TWARES4	RES FOR SERVICE
204	(CC)	BITSTRING	1	TWAEND	END of TWA
		11.. 11..		TWASIZE	LENGTH OF TWA
		11.. ..1.		TWAWORKL	LENGTH OF TWA WORK AREA
		...1 1...		TWATWL	LTH FOR GENERIC TWATW WORDS

Chapter 15. Transaction Origin Data Area — XOID

The XOID defines the origin of the transaction.

Function:	The XOID defines the origin of the transaction.
Macro ID:	BDTGXOID
DSECT name:	XHDR
Size:	Hex 3C bytes
Location:	Subpool 251

```
OFFSETS      TYPE        LENGTH   NAME          DESCRIPTION

0     (0)    CHARACTER   4          XHDR        CONTROL BLOCK ACRONYM
4     (4)    CHARACTER   4          XREL        VERSION ID
8     (8)    ADDRESS     2          XLEN        XOID LENGTH
10    (A)    BITSTRING   8          XBSI        XACTION ORIGIN BDT SYS ID
18    (12)   BITSTRING   8          XBSN        XACTION ORIGIN BDT SYS NAME

      TRANSACTION ORIGIN TYPE
26    (1A)   BITSTRING   1          XTYP        XACTION ORIGIN TYPE

             ....  ...1            TSO           "1" TSO USER
             ....  ..1.            JES           "2" JES CONSOLE
             ....  ..11            BTCH          "3" BATCH JOB
             ....  .1..            MCS           "4" MCS CONSOLE
             ....  .1.1            LOG           "5" JOB MESSAGE LOG
             ....  .11.            FCT           "6" BDT FCT
             ....  .111            JMC           "7" JES MESSAGE CLASS
             ....  1...            RDEV          "8" BEGIN DEVELOPMENT
                                                   DEFINED XOIDXTYP
             1...  ....            USER          "128" BEGIN USER DEFINED
                                                   XOIDXTYP

      FLAG 1 DEFINITION
27    (1B)   BITSTRING   1          XFL1        XOID FLAG 1

             1...  ....            XMCL          "BIT0" SUPPRESSION OF
                                                   MESSAGE CLASS
             .1..  ....            X1R1          "BIT1" RESERVED
             ..1.  ....            X1R2          "BIT2" RESERVED
             ...1  ....            X1R3          "BIT3" RESERVED
             ....  1...            X1R4          "BIT4" RESERVED
             ....  .1..            X1R5          "BIT5" RESERVED
             ....  ..1.            X1R6          "BIT6" RESERVED
             ....  ...1            X1R7          "BIT7" RESERVED

      MISCELLANEOUS INFORMATION
28    (1C)   CHARACTER   8          XDDN        TRANSACTION ORIGIN DDNAME
28    (1C)   CHARACTER   8          USID        TSO USERID
28    (1C)   CHARACTER   8          CNDD        JES CONSOLE DDNAME
28    (1C)   CHARACTER   8          JCLS        JES MESSAGE CLASS
28    (1C)   CHARACTER   8          BJNM        BATCH JOB NAME
28    (1C)   ADDRESS     1          MCSI        MCS CONSOLE ID
28    (1C)   BITSTRING   2          BJNO        BDT JOB NUMBER
28    (1C)   BITSTRING   8          DDRS        DDNAME

      RESERVED FIELDS
36    (24)   BITSTRING   4          XRD2        RESERVED
40    (28)   BITSTRING   4          XRD3        RESERVED
44    (2C)   BITSTRING   4          XRS1        RESERVED
48    (30)   BITSTRING   4          XRS2        RESERVED
52    (34)   BITSTRING   4          XRU1        RESERVED
56    (38)   BITSTRING   4          XRU2        RESERVED

             ...1  11.1            MCSA          MCS CONSOLE UX28 AUTH
             ..11  11..            XEND          END OF XOID
```

```
            ....  ....            XOID            XOID EQUATE
            ....  1.1.             XALL            BSI EQUATE
```

Appendix A. Accessibility

Accessible publications for this product are offered through IBM Documentation (www.ibm.com/docs/en/zos).

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Department H6MA, Building 707
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Poughkeepsie, NY 12601-5400
United States

Accessibility features

Accessibility features help users who have physical disabilities such as restricted mobility or limited vision use software products successfully. The accessibility features in z/OS can help users do the following tasks:

- Run assistive technology such as screen readers and screen magnifier software.
- Operate specific or equivalent features by using the keyboard.
- Customize display attributes such as color, contrast, and font size.

Consult assistive technologies

Assistive technology products such as screen readers function with the user interfaces found in z/OS. Consult the product information for the specific assistive technology product that is used to access z/OS interfaces.

Keyboard navigation of the user interface

You can access z/OS user interfaces with TSO/E or ISPF. The following information describes how to use TSO/E and ISPF, including the use of keyboard shortcuts and function keys (PF keys). Each guide includes the default settings for the PF keys.

- *z/OS TSO/E Primer*
- *z/OS TSO/E User's Guide*
- *z/OS ISPF User's Guide Vol I*

Dotted decimal syntax diagrams

Syntax diagrams are provided in dotted decimal format for users who access IBM Documentation with a screen reader. In dotted decimal format, each syntax element is written on a separate line. If two or more syntax elements are always present together (or always absent together), they can appear on the same line because they are considered a single compound syntax element.

Each line starts with a dotted decimal number; for example, 3 or 3.1 or 3.1.1. To hear these numbers correctly, make sure that the screen reader is set to read out punctuation. All the syntax elements that have the same dotted decimal number (for example, all the syntax elements that have the number 3.1)

are mutually exclusive alternatives. If you hear the lines `3.1 USERID` and `3.1 SYSTEMID`, your syntax can include either `USERID` or `SYSTEMID`, but not both.

The dotted decimal numbering level denotes the level of nesting. For example, if a syntax element with dotted decimal number 3 is followed by a series of syntax elements with dotted decimal number 3.1, all the syntax elements numbered 3.1 are subordinate to the syntax element numbered 3.

Certain words and symbols are used next to the dotted decimal numbers to add information about the syntax elements. Occasionally, these words and symbols might occur at the beginning of the element itself. For ease of identification, if the word or symbol is a part of the syntax element, it is preceded by the backslash (\) character. The `*` symbol is placed next to a dotted decimal number to indicate that the syntax element repeats. For example, syntax element `*FILE` with dotted decimal number 3 is given the format `3 \* FILE`. Format `3* FILE` indicates that syntax element `FILE` repeats. Format `3* \* FILE` indicates that syntax element `* FILE` repeats.

Characters such as commas, which are used to separate a string of syntax elements, are shown in the syntax just before the items they separate. These characters can appear on the same line as each item, or on a separate line with the same dotted decimal number as the relevant items. The line can also show another symbol to provide information about the syntax elements. For example, the lines `5.1*, 5.1 LASTRUN, and 5.1 DELETE` mean that if you use more than one of the `LASTRUN` and `DELETE` syntax elements, the elements must be separated by a comma. If no separator is given, assume that you use a blank to separate each syntax element.

If a syntax element is preceded by the % symbol, it indicates a reference that is defined elsewhere. The string that follows the % symbol is the name of a syntax fragment rather than a literal. For example, the line `2.1 %OP1` means that you must refer to separate syntax fragment `OP1`.

The following symbols are used next to the dotted decimal numbers.

? indicates an optional syntax element
The question mark (?) symbol indicates an optional syntax element. A dotted decimal number followed by the question mark symbol (?) indicates that all the syntax elements with a corresponding dotted decimal number, and any subordinate syntax elements, are optional. If there is only one syntax element with a dotted decimal number, the ? symbol is displayed on the same line as the syntax element, (for example `5? NOTIFY`). If there is more than one syntax element with a dotted decimal number, the ? symbol is displayed on a line by itself, followed by the syntax elements that are optional. For example, if you hear the lines `5 ?, 5 NOTIFY`, and `5 UPDATE`, you know that the syntax elements `NOTIFY` and `UPDATE` are optional. That is, you can choose one or none of them. The ? symbol is equivalent to a bypass line in a railroad diagram.

! indicates a default syntax element
The exclamation mark (!) symbol indicates a default syntax element. A dotted decimal number followed by the `!` symbol and a syntax element indicate that the syntax element is the default option for all syntax elements that share the same dotted decimal number. Only one of the syntax elements that share the dotted decimal number can specify the ! symbol. For example, if you hear the lines `2? FILE, 2.1! (KEEP), and 2.1 (DELETE)`, you know that `(KEEP)` is the default option for the `FILE` keyword. In the example, if you include the `FILE` keyword, but do not specify an option, the default option KEEP is applied. A default option also applies to the next higher dotted decimal number. In this example, if the `FILE` keyword is omitted, the default `FILE(KEEP)` is used. However, if you hear the lines `2? FILE, 2.1, 2.1.1! (KEEP)`, and `2.1.1 (DELETE)`, the default option KEEP applies only to the next higher dotted decimal number, `2.1` (which does not have an associated keyword), and does not apply to `2? FILE`. Nothing is used if the keyword `FILE` is omitted.

*** indicates an optional syntax element that is repeatable**
The asterisk or glyph (*) symbol indicates a syntax element that can be repeated zero or more times. A dotted decimal number followed by the * symbol indicates that this syntax element can be used zero or more times; that is, it is optional and can be repeated. For example, if you hear the line `5.1* data area`, you know that you can include one data area, more than one data area, or no data area. If you hear the lines `3* , 3 HOST, 3 STATE`, you know that you can include `HOST, STATE`, both together, or nothing.

Notes:

1. If a dotted decimal number has an asterisk (*) next to it and there is only one item with that dotted decimal number, you can repeat that same item more than once.
2. If a dotted decimal number has an asterisk next to it and several items have that dotted decimal number, you can use more than one item from the list, but you cannot use the items more than once each. In the previous example, you can write `HOST STATE`, but you cannot write `HOST HOST`.
3. The * symbol is equivalent to a loopback line in a railroad syntax diagram.

+ indicates a syntax element that must be included

The plus (+) symbol indicates a syntax element that must be included at least once. A dotted decimal number followed by the + symbol indicates that the syntax element must be included one or more times. That is, it must be included at least once and can be repeated. For example, if you hear the line `6.1+ data area`, you must include at least one data area. If you hear the lines `2+, 2 HOST,` and `2 STATE`, you know that you must include `HOST, STATE,` or both. Similar to the * symbol, the + symbol can repeat a particular item if it is the only item with that dotted decimal number. The + symbol, like the * symbol, is equivalent to a loopback line in a railroad syntax diagram.

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- For information about software support lifecycle, see: IBM Lifecycle Support for z/OS (www.ibm.com/software/support/systemsz/lifecycle)
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Programming Interface Information

This book is intended to help the customer to do diagnosis of BDT. This book documents information that is Diagnosis, Modification or Tuning Information provided by BDT.

Attention: Do not use this Diagnosis, Modification or Tuning Information as a programming interface.

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GLOSSARY

This glossary defines important terms and abbreviations used in this book. If you do not find the term you are looking for, refer to the index or to the *IBM Dictionary of Computing* New York: McGraw-Hill, 1994.

ACF/VTAM
Advanced Communication Function for the Virtual Telecommunications Access Method.

Advanced Communication Function for the Virtual Telecommunications Access Method (ACF/VTAM)
A licensed program that provides single-domain network capability, and optionally, multiple-domain capability.

ASR
Automatic session restart.

automatic session restart (ASR)
A function defined at initialization that causes an interrupted session to attempt to restart automatically.

checkpoint data set
See TQI checkpoint data set.

DAP
Dynamic application program.

dependent transaction control (DTC)
A method of controlling the scheduling of file-to-file transactions by organizing the transactions into a network in which some transactions wait for the completion of other transactions before being scheduled.

DTC
Dependent transaction control.

dynamic application program (DAP)
A part of BDT that performs a particular function; especially the transfer of data.

fencing
In BDT, a method by which an installation can restrict the direction in which a set of VLUs can transmit file-to-file data.

generic master job definition (GMJD) library
In BDT, a data set that contains predefined transaction definitions.

GMJD library
generic master job definition library.

global node
In BDT, the node that schedules and manages all file-to-file transactions involving itself and a local node and responds to commands issued against those transactions.

local node
In BDT, the node that receives file-to-file transactions and commands submitted by users and sends them to the global node for processing.

network
In BDT, two or more BDT nodes that are joined by SNA sessions.

network job entry (NJE)
The transmission of jobs, in-stream data sets, operator commands and messages, system output data sets, and job accounting information from one computer complex to another across a telecommunication link.

NJE
Network job entry.

node
In BDT, the point in a BDT address space that is linked to another BDT address space for either file-to-file communication or SNA NJE communication.

poly-BDT complex
A JES complex that has more than one BDT address space.

Remote Spooling Communication Subsystem (RSCS)
A licensed program that transfers spool files between VM/SP users, remote stations, and remote and local batch systems via telecommunication facilities.

RSCS
Remote Spooling Communication Subsystem.

scheduler element (SE)
Information that follows each JCT entry, including such things as sending and receiving DAP names, sending and receiving locations, and the number of VLUs allocated for the transfer.

SE
Scheduler element.

session
In SNA, a logical connection between two network addressable units. The connection can be activated, deactivated, or tailored to provide different protocols.

SMF
System Management Facilities.

SNA
Systems Network Architecture.

SNA manager
The BDT internode communication processor. It is initiated by a BDT operator command and subsequently invoked by the DAPs to send and receive data.

System Management Facilities (SMF)
An optional control program feature that provides the means for gathering and recording information that can be used to evaluate system usage.

Systems Network Architecture (SNA)
The description of the logical structure, formats, protocols, and operational sequences for transmitting information units through and controlling the configuration and operation of networks.

TQI
Transaction queuing integrity.

TQI checkpoint data set
In BDT, a data set on which the transaction queuing integrity (TQI) facility records user-submitted commands and file-to-tile transactions before sending them to the BDT address space. Should a command or transaction fail to reach the BDT address space, BDT automatically recovers it from the TQI checkpoint data set and attempts the transfer again.

transaction
In BDT, (1) a request to copy a data set, transmit a SNA NJE job, or transmit SNA NJE output (SYSOUT), and (2) the work that BDT does to process the request. Requests to copy data sets are submitted to BDT by users. Requests to transmit SNA NJE jobs and output are submitted to BDT by JES3.

transaction queuing integrity (TQI)
In BDT, a program that records commands and file-to-file transactions on a data set at the submitting node, thus allowing the transfers to be resubmitted automatically should they not reach the BDT work queue. TQI also allows users to receive messages.

virtual logical unit (VLU)
In BDT, data and program logic that represents one user of a SNA session. The virtual logical unit enables more than one user to concurrently use a session.

VLU
Virtual logical unit.

work queue
In BDT, a queue whose elements represent work that BDT must do on behalf of a transaction.

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