

# Enterprise Library Software

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LCM Quick Reference

Version 7.1

Revision AA



October 2010, Revision AA

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# Preface

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Oracle's StorageTek™ Enterprise Library Software (ELS) is a solution consisting of the following base software:

- StorageTek™ Storage Management Component (SMC)
- StorageTek™ Host Software Component (HSC)
- StorageTek™ Virtual Tape Control Software (VTCS)
- StorageTek™ Concurrent Disaster Recovery Test (CDRT)

Additionally, the following software is provided with the ELS package:

- StorageTek™ Library Content Manager (LCM) (formerly ExLM). LCM includes an enhanced version of the product formerly known as Offsite Vault Feature.
- StorageTek™ Client System Component for MVS Environments (MVS/CSC)
- StorageTek™ LibraryStation

Refer to the publication *Introducing ELS* for an overview of the ELS solution.

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## Audience

This Quick Reference shows command and utility syntax and variable field values.

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## Prerequisites

To perform the tasks described in this guide, you should already understand the following:

- MVS or OS/390 operating system
- LCM basic function and operation; for more information, see *LCM User's Guide*.

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## Organization of This Publication

[TABLE P-1](#) describes the contents of this publication.

**TABLE P-1** Organization of this Publication

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| <a href="#">“LCM Operator Commands” on page 37</a> | LCM operator commands syntax  |
| <a href="#">“LCM 7.0 Field Tables” on page 41</a>  | LCM field tables descriptions |

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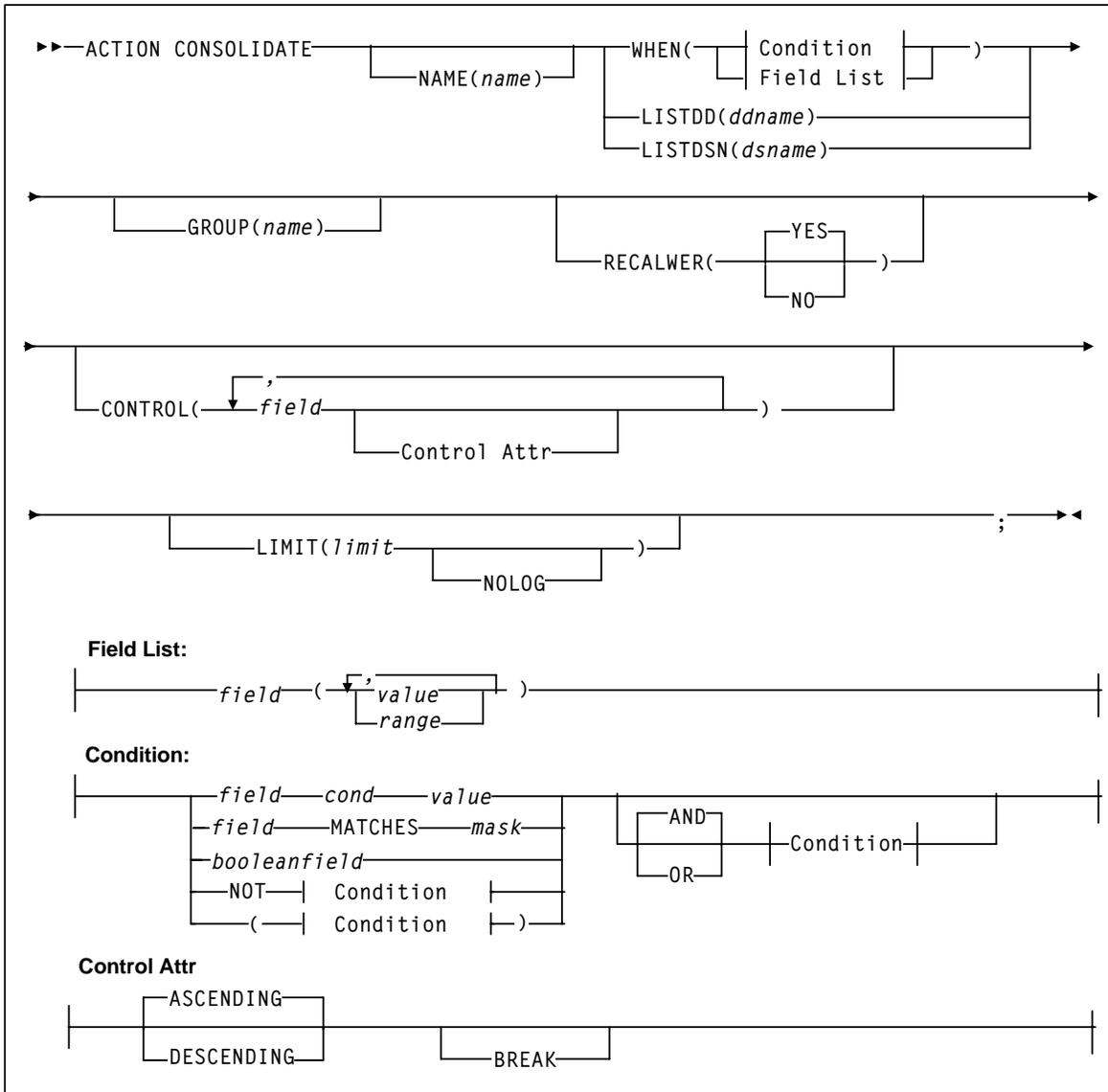
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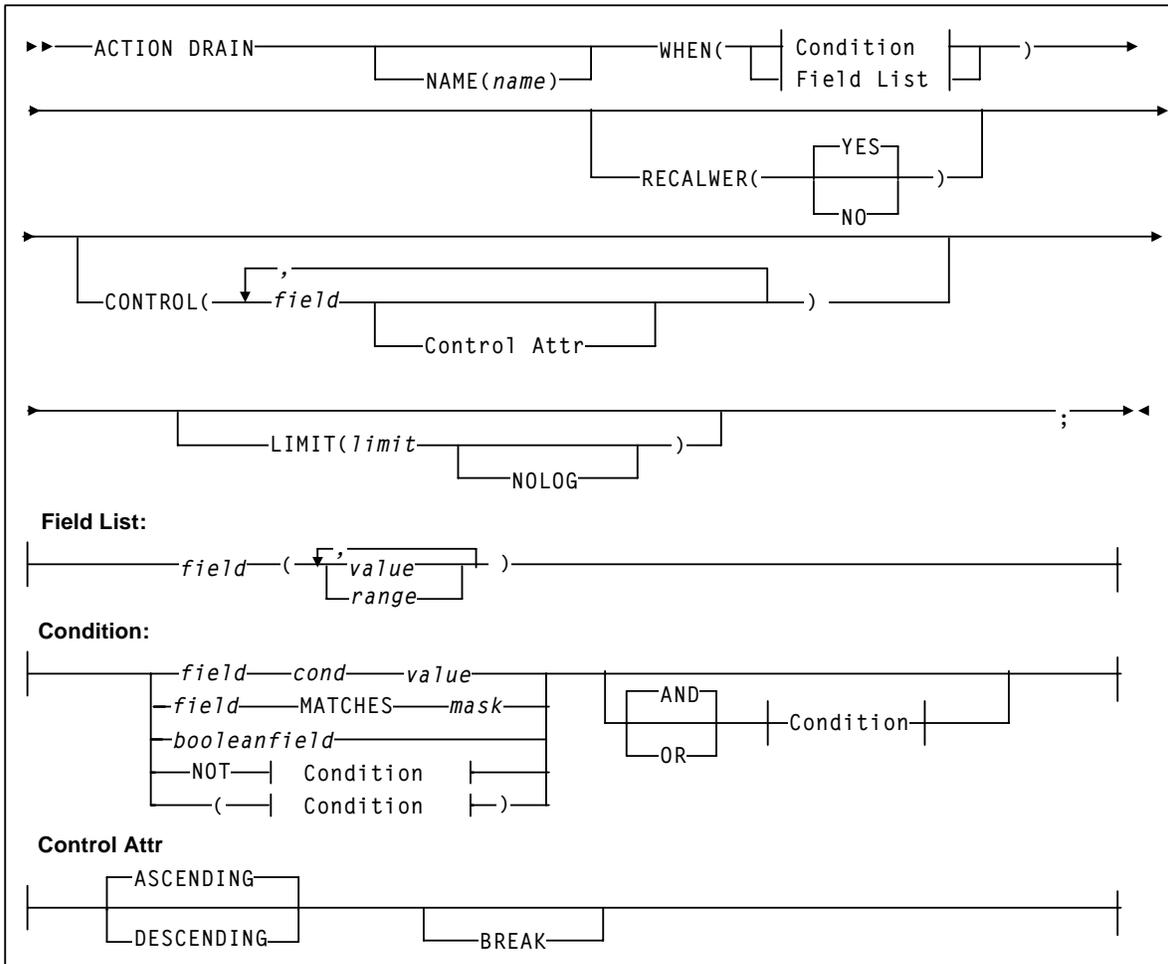
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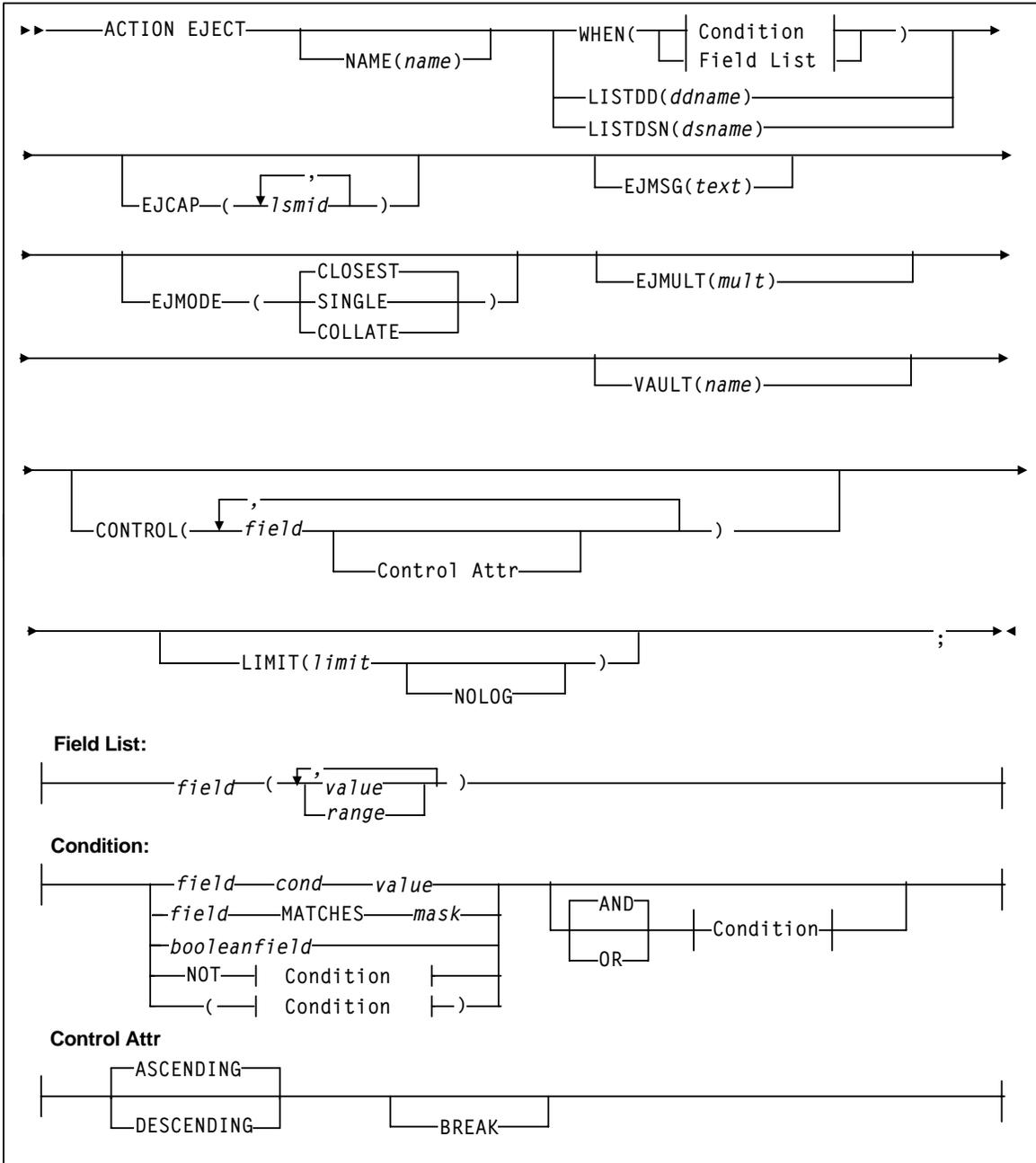
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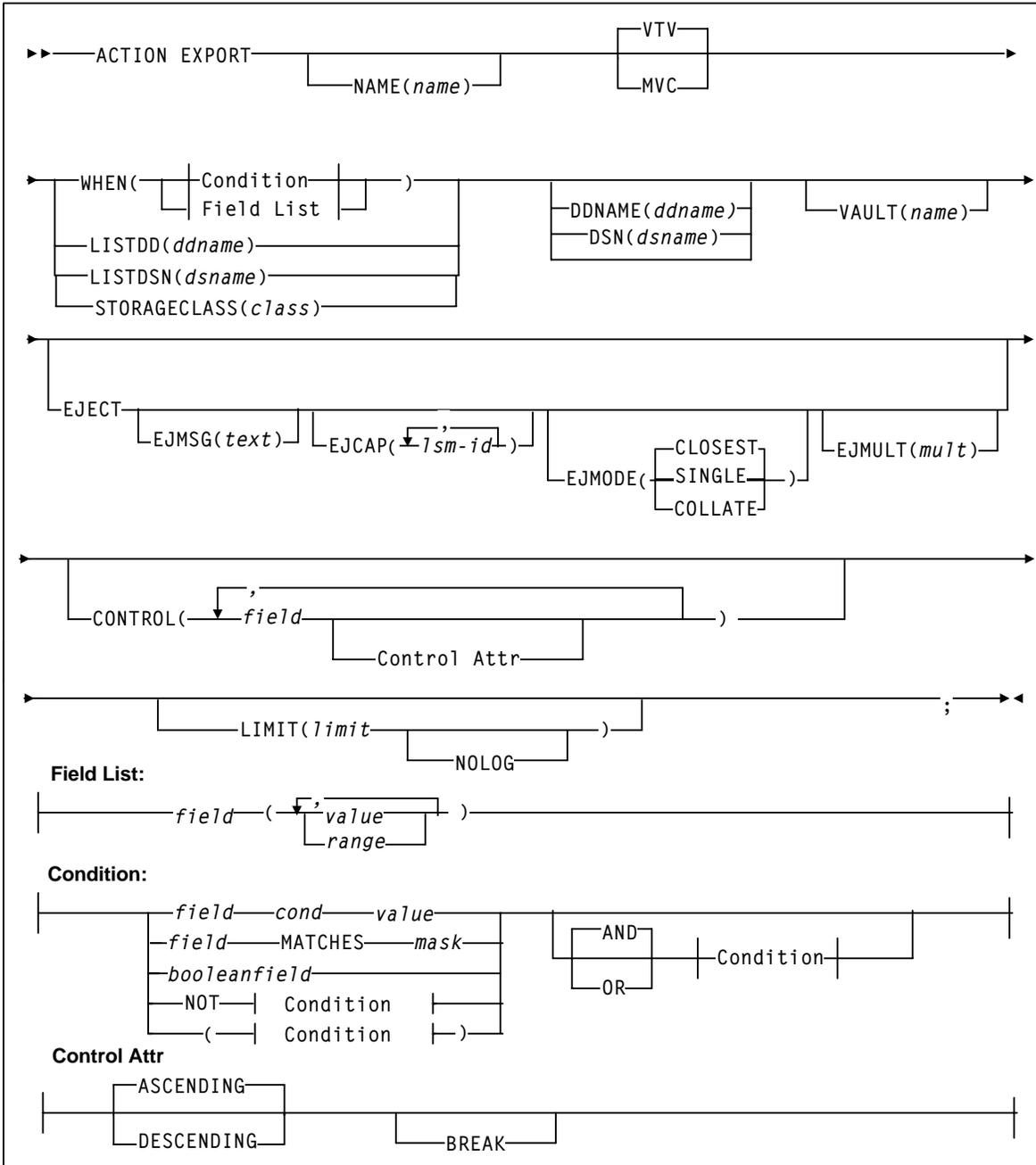
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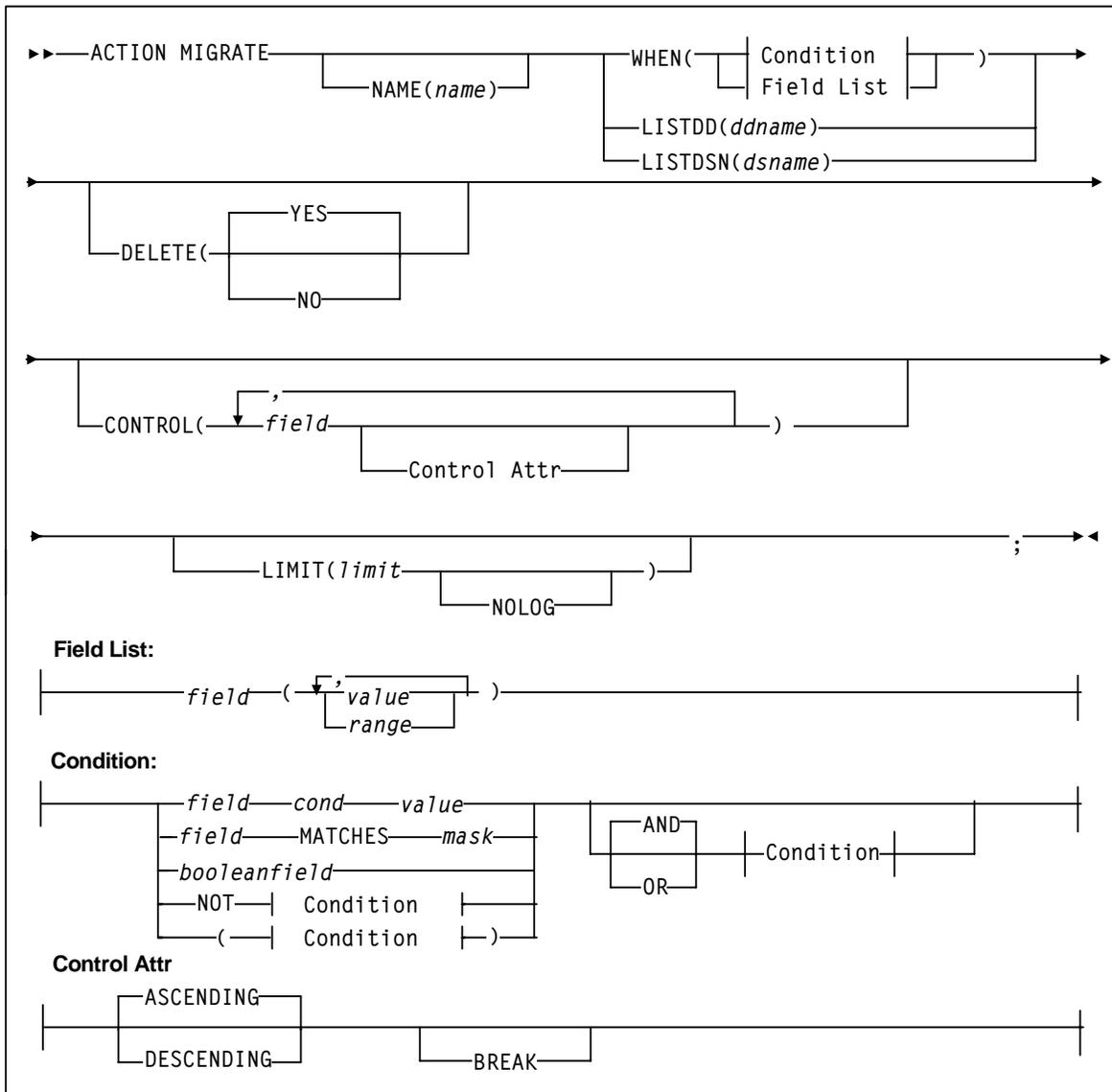
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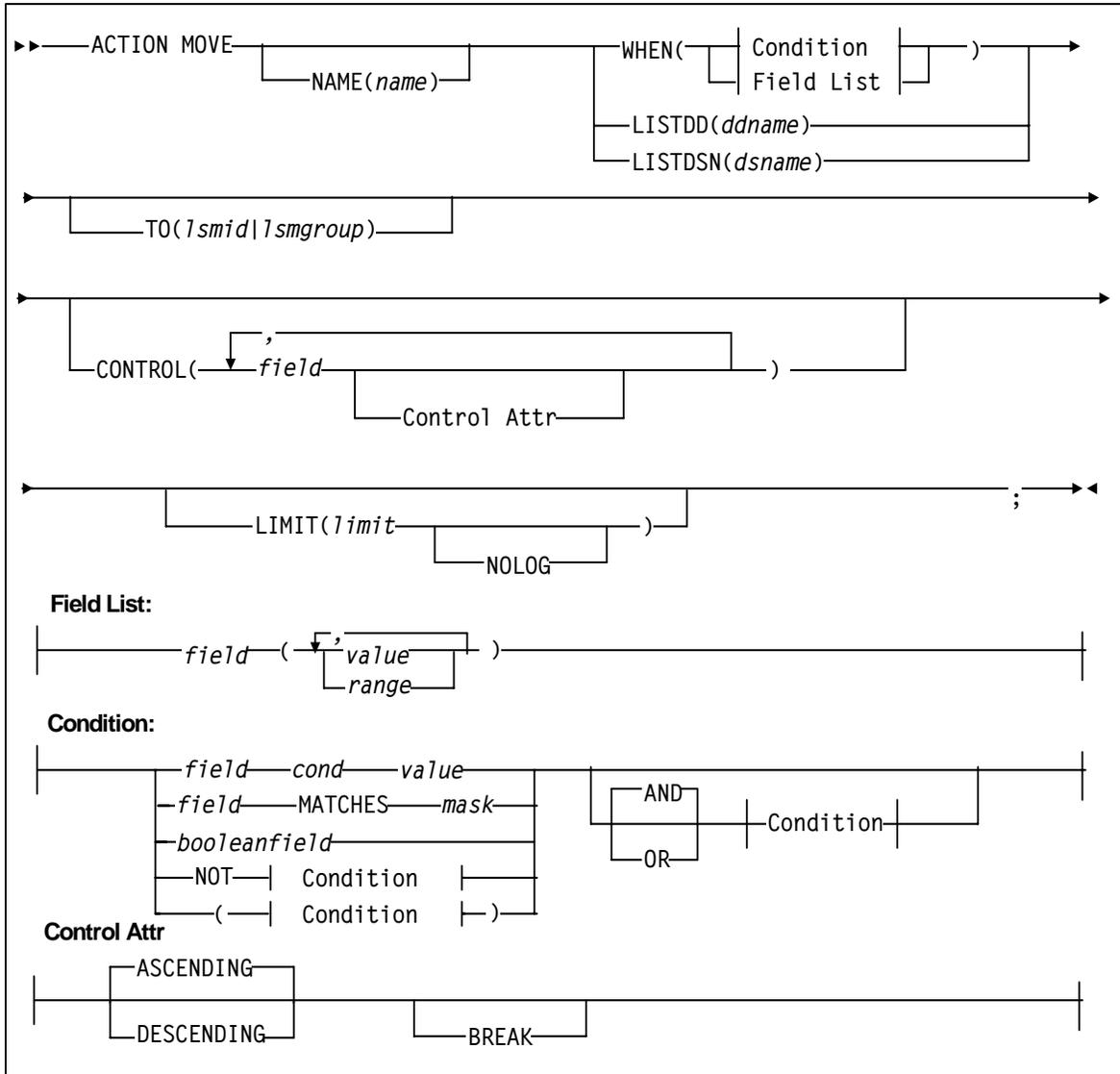
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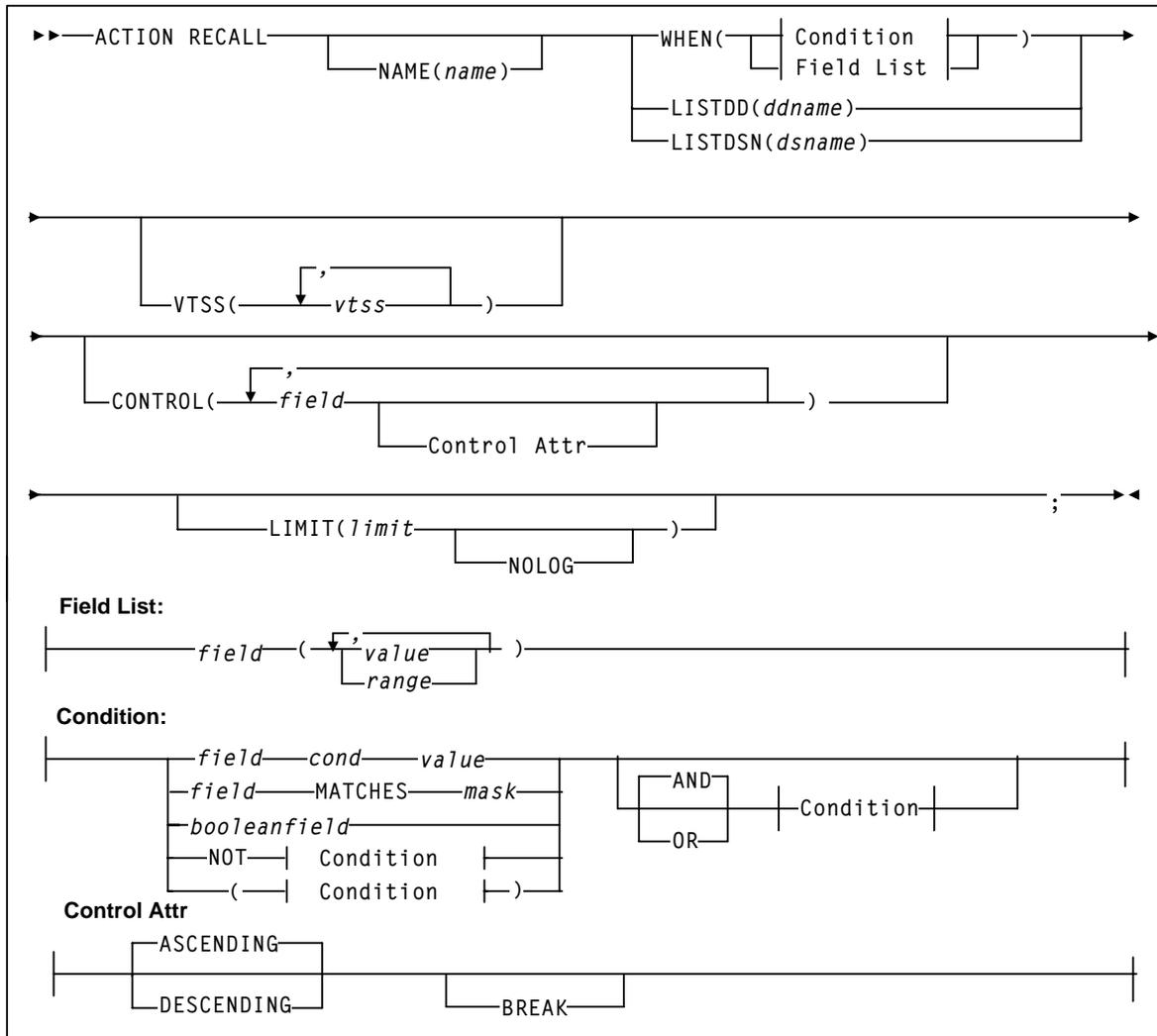
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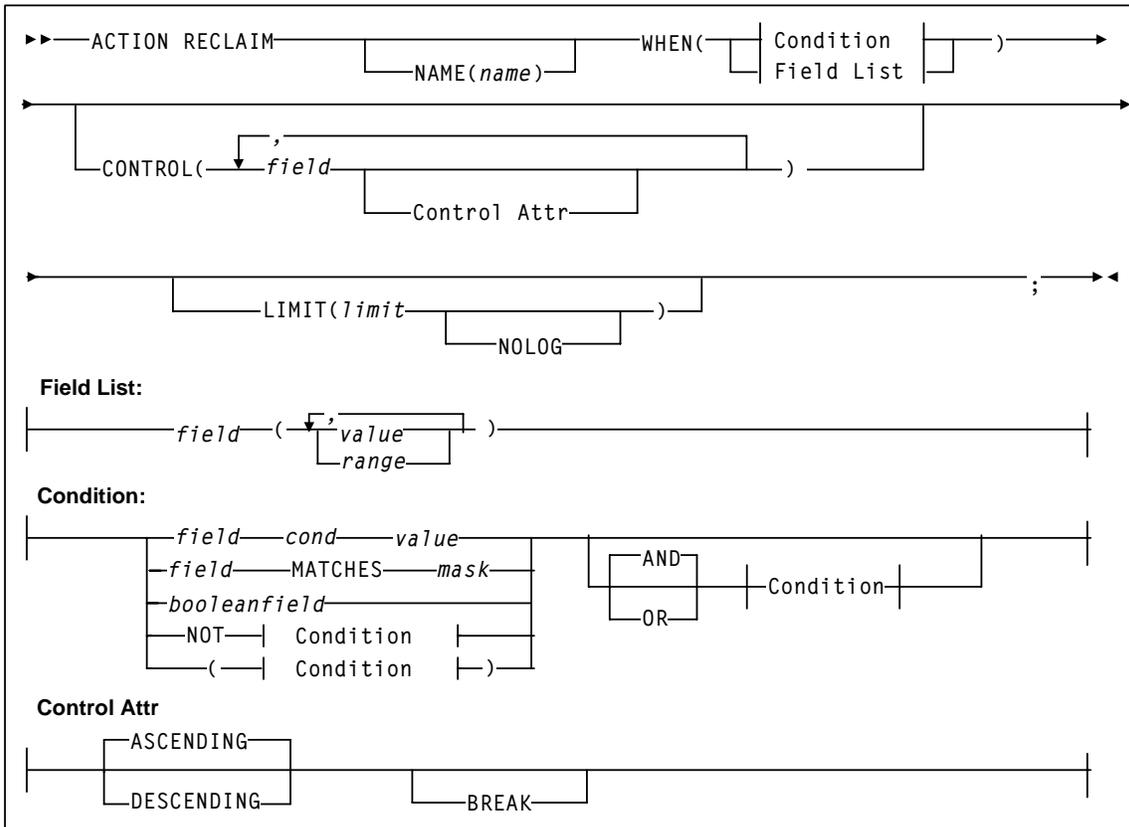
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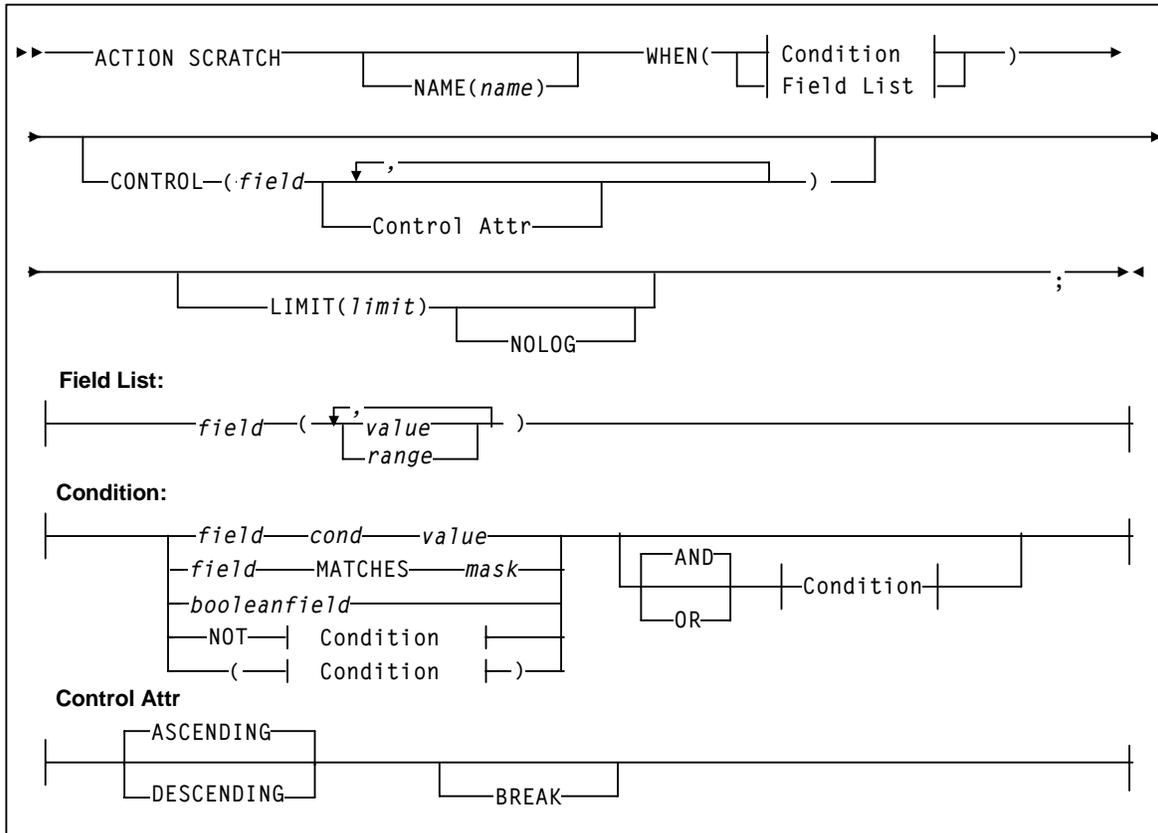
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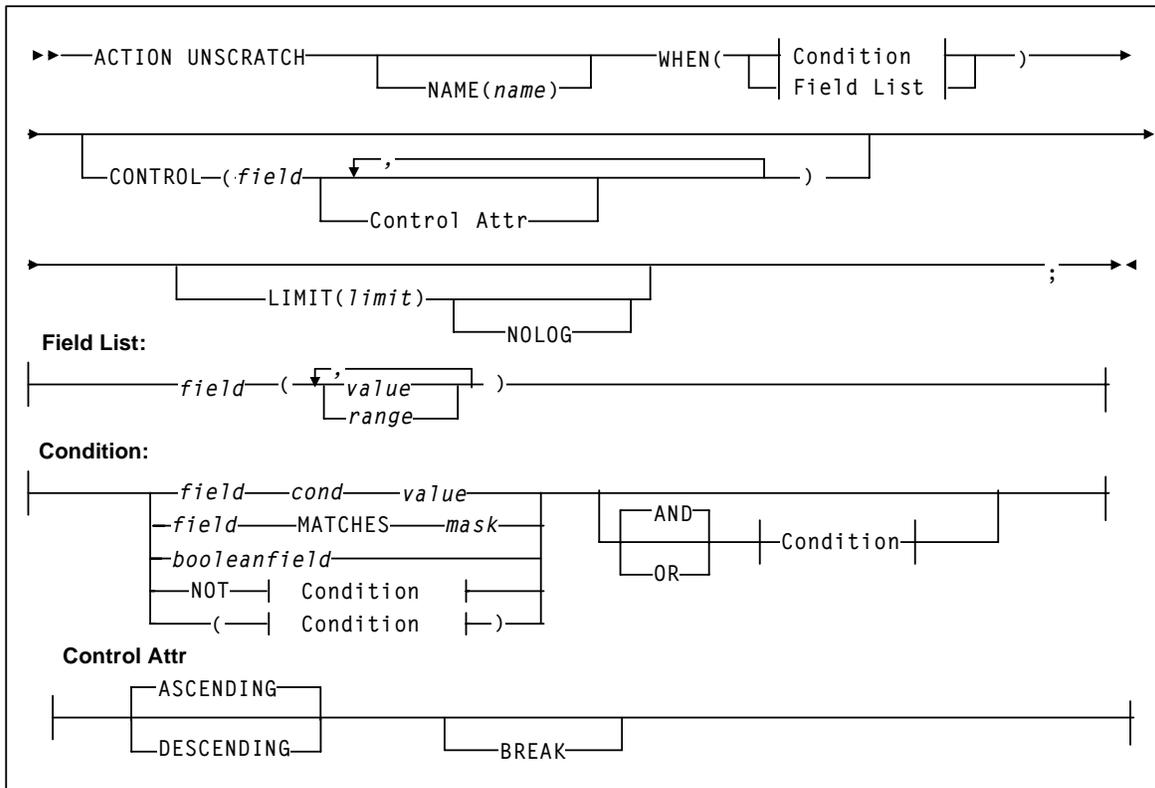
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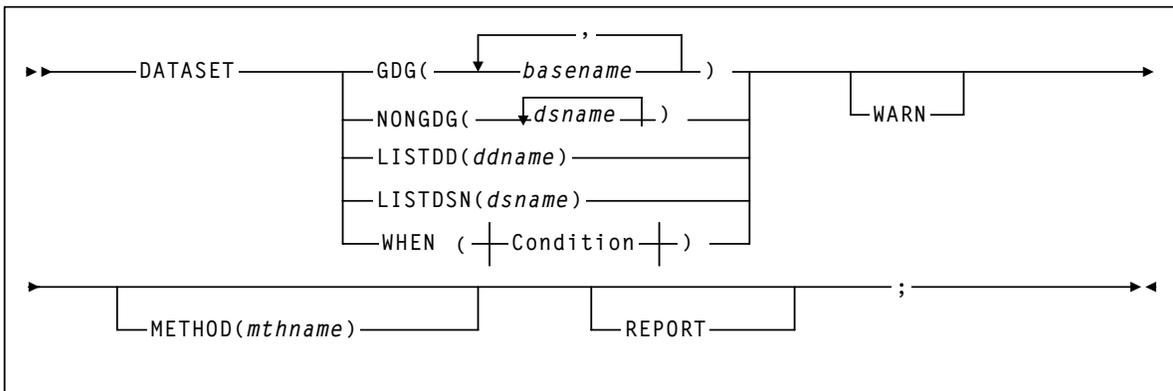
# ACTION SCRATCH



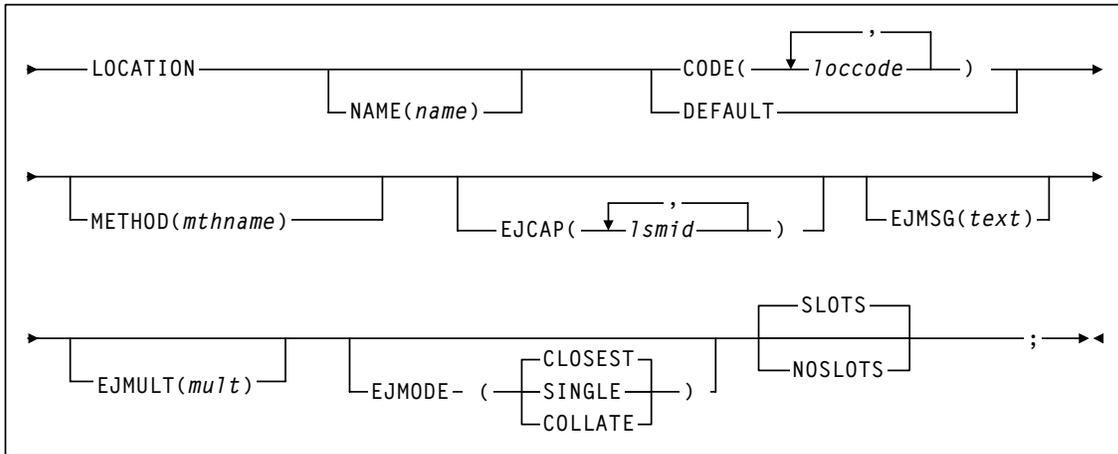
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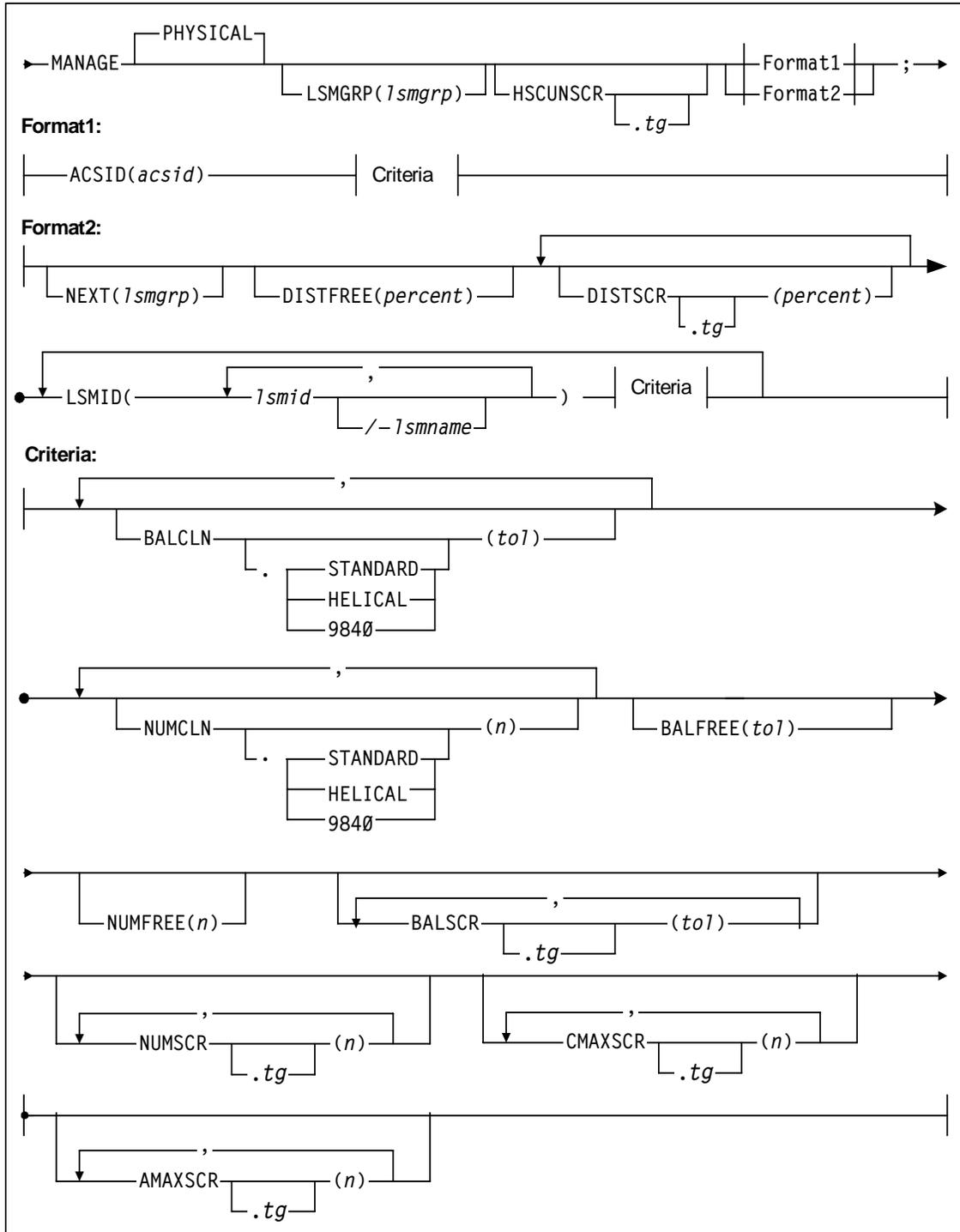
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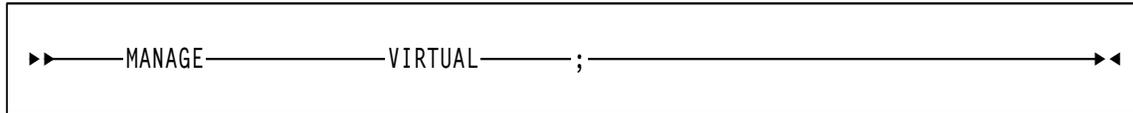
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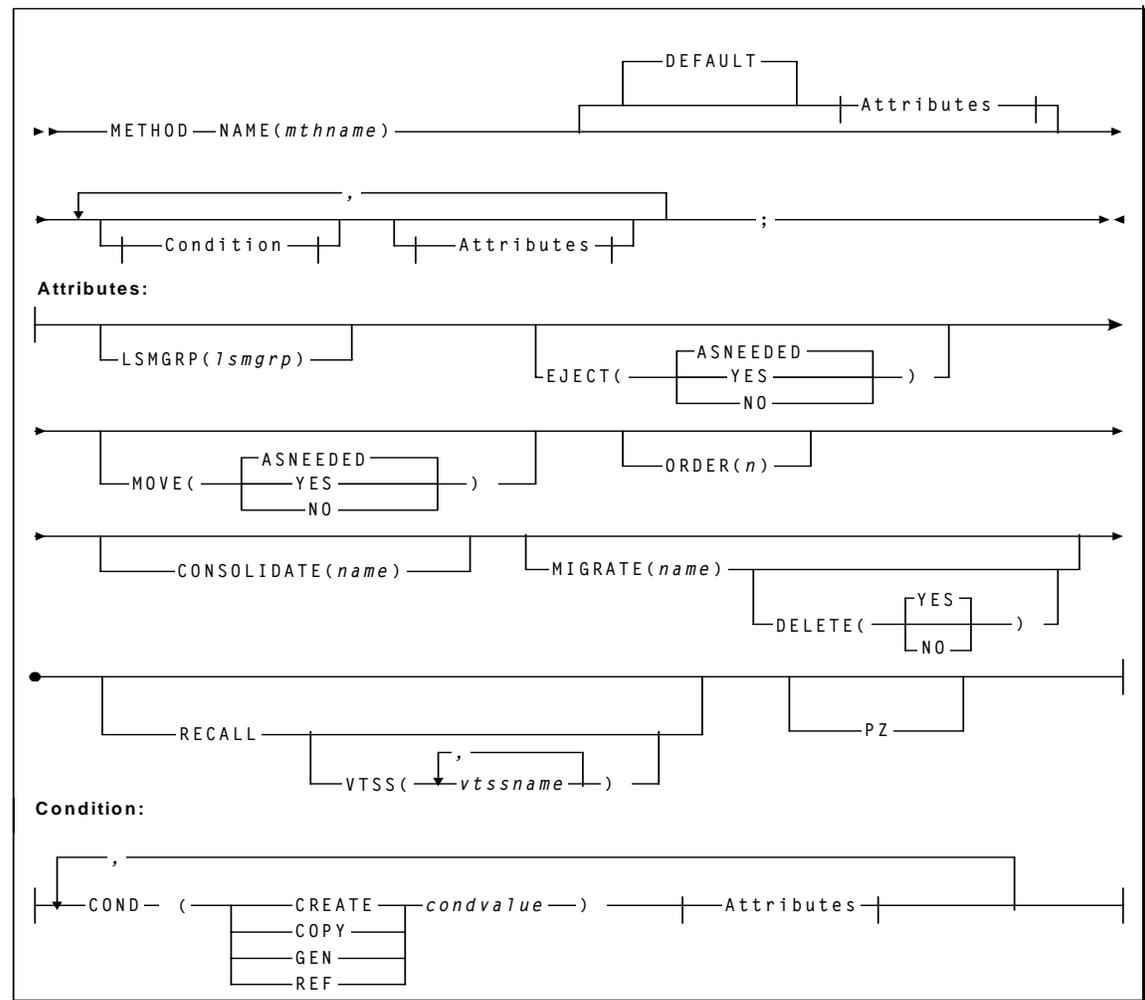
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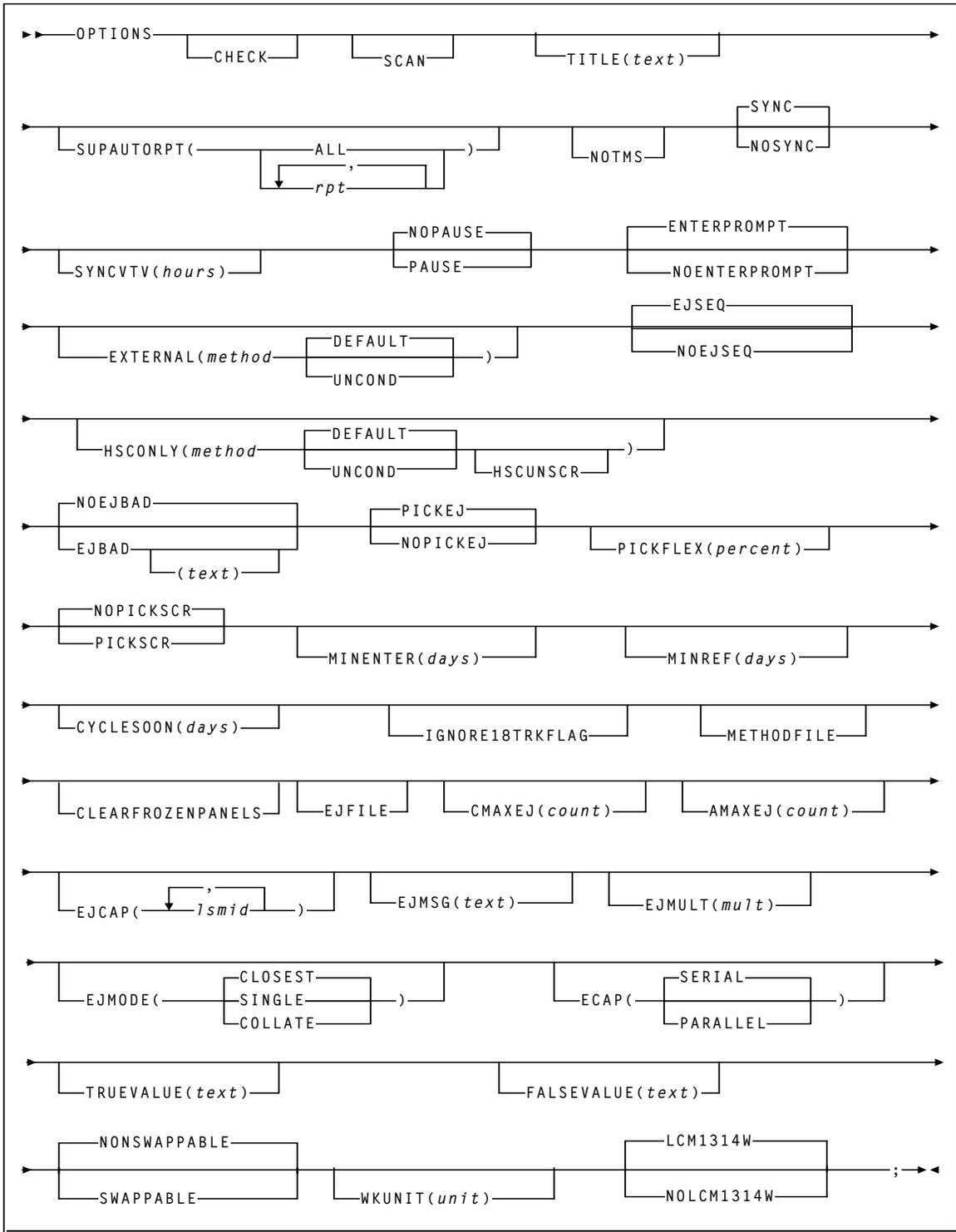
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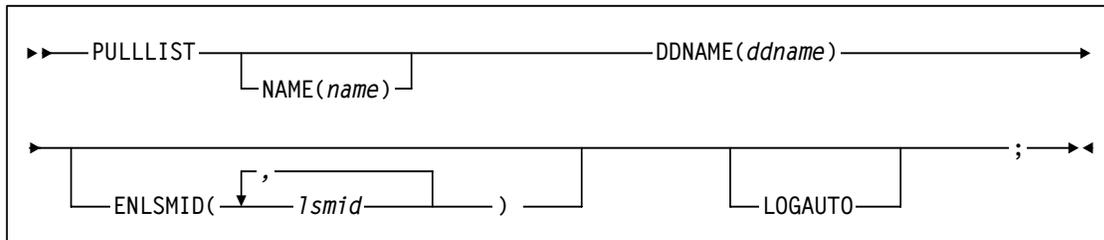
# METHOD



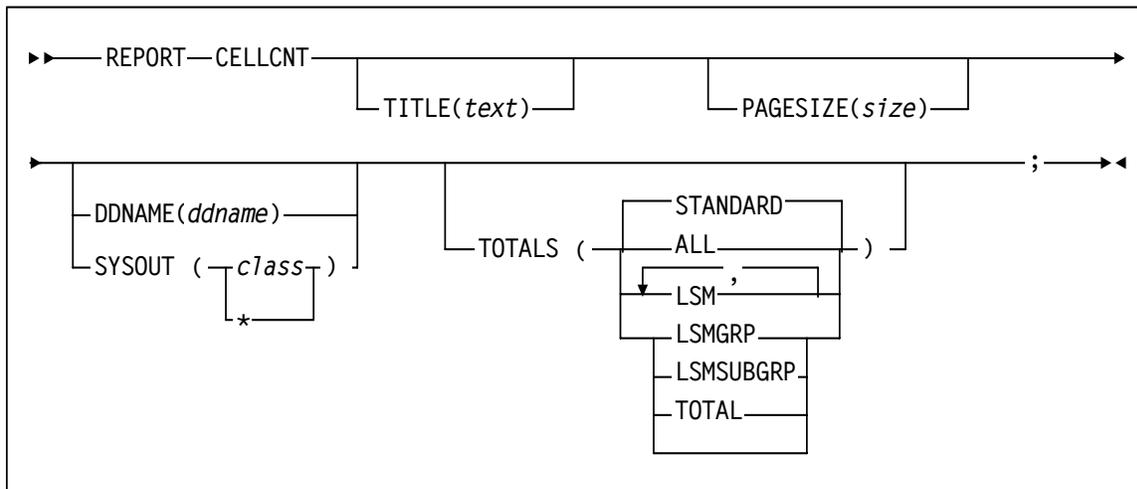
# OPTIONS



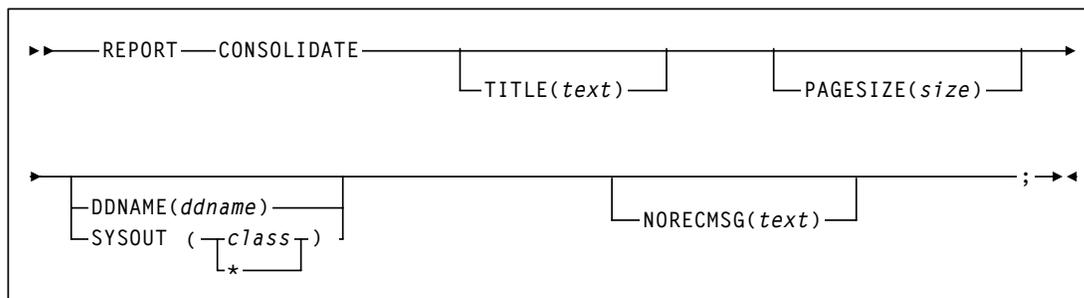
## PULLLIST



## REPORT CELLCNT

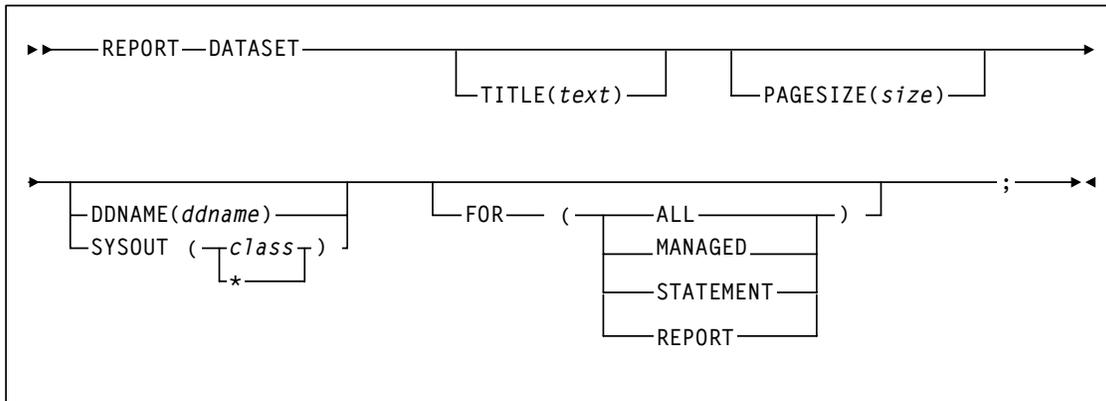


## REPORT CONSOLIDATE



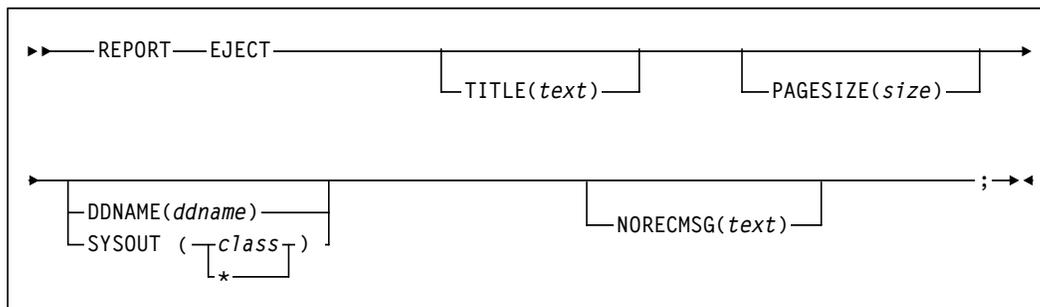
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## REPORT DATASET



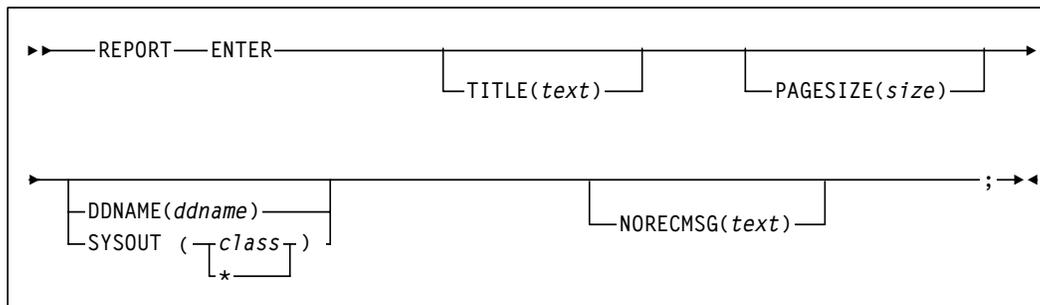
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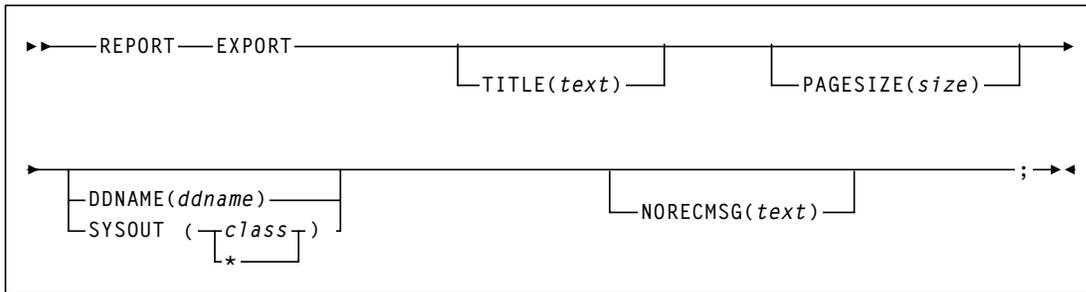
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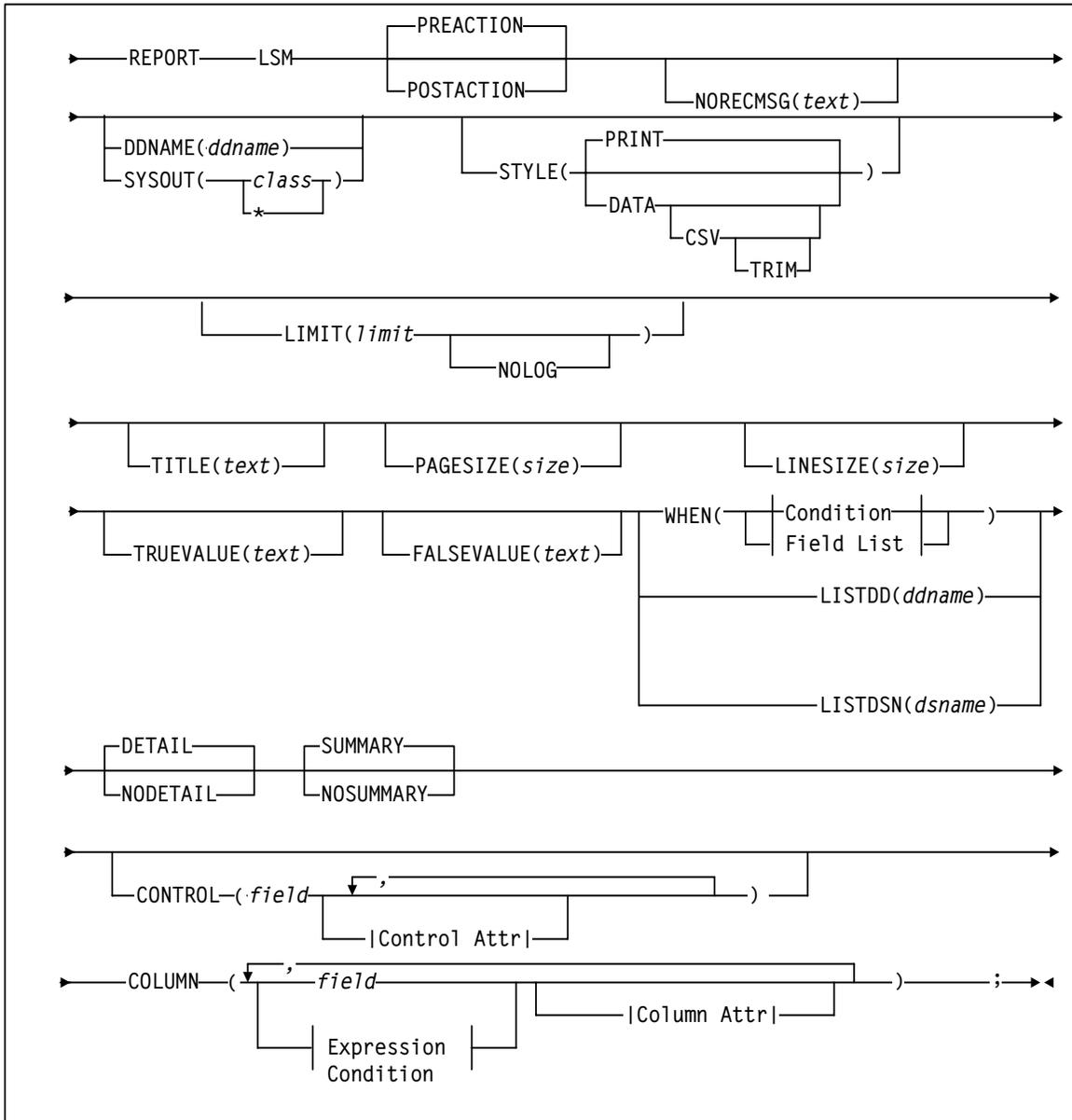


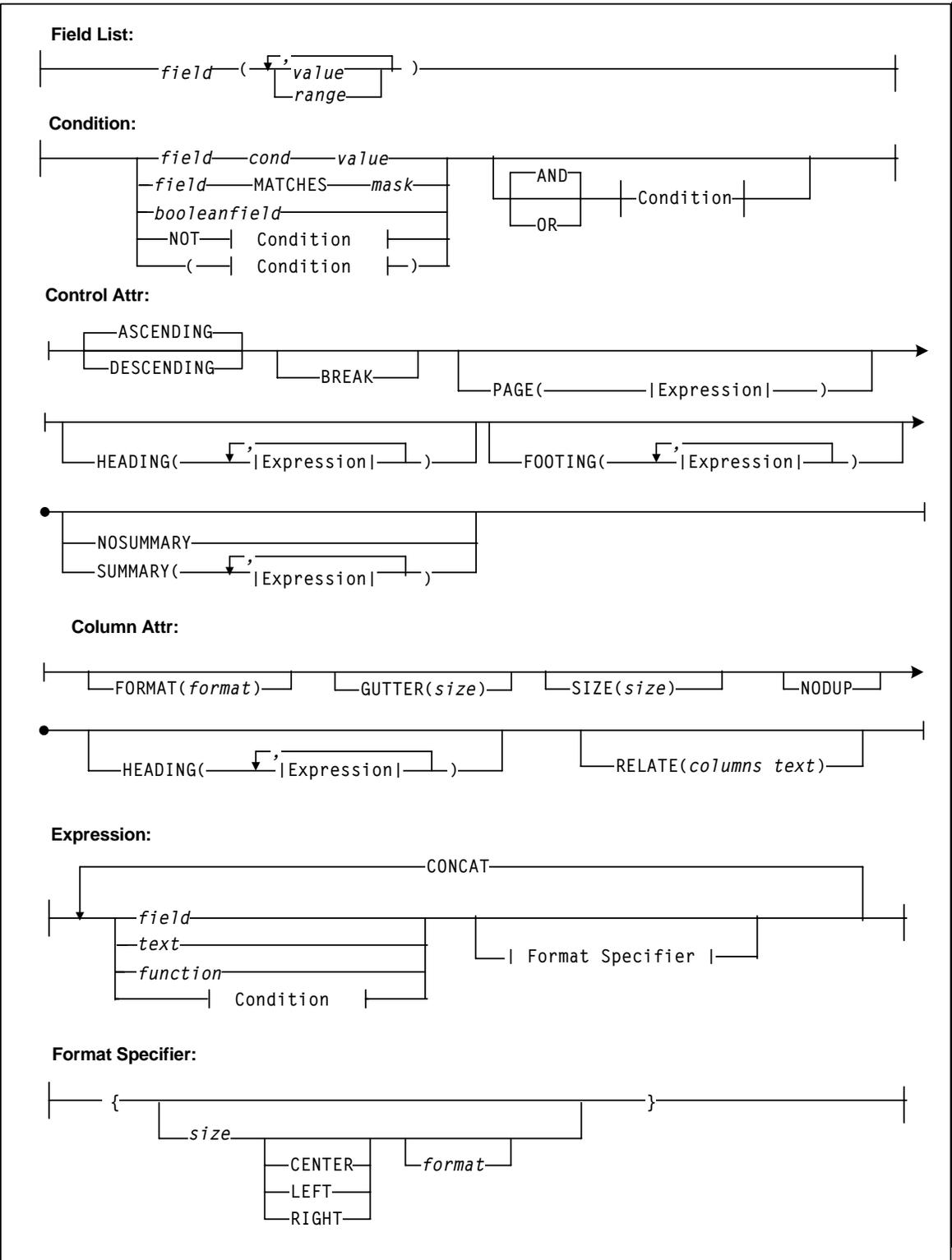
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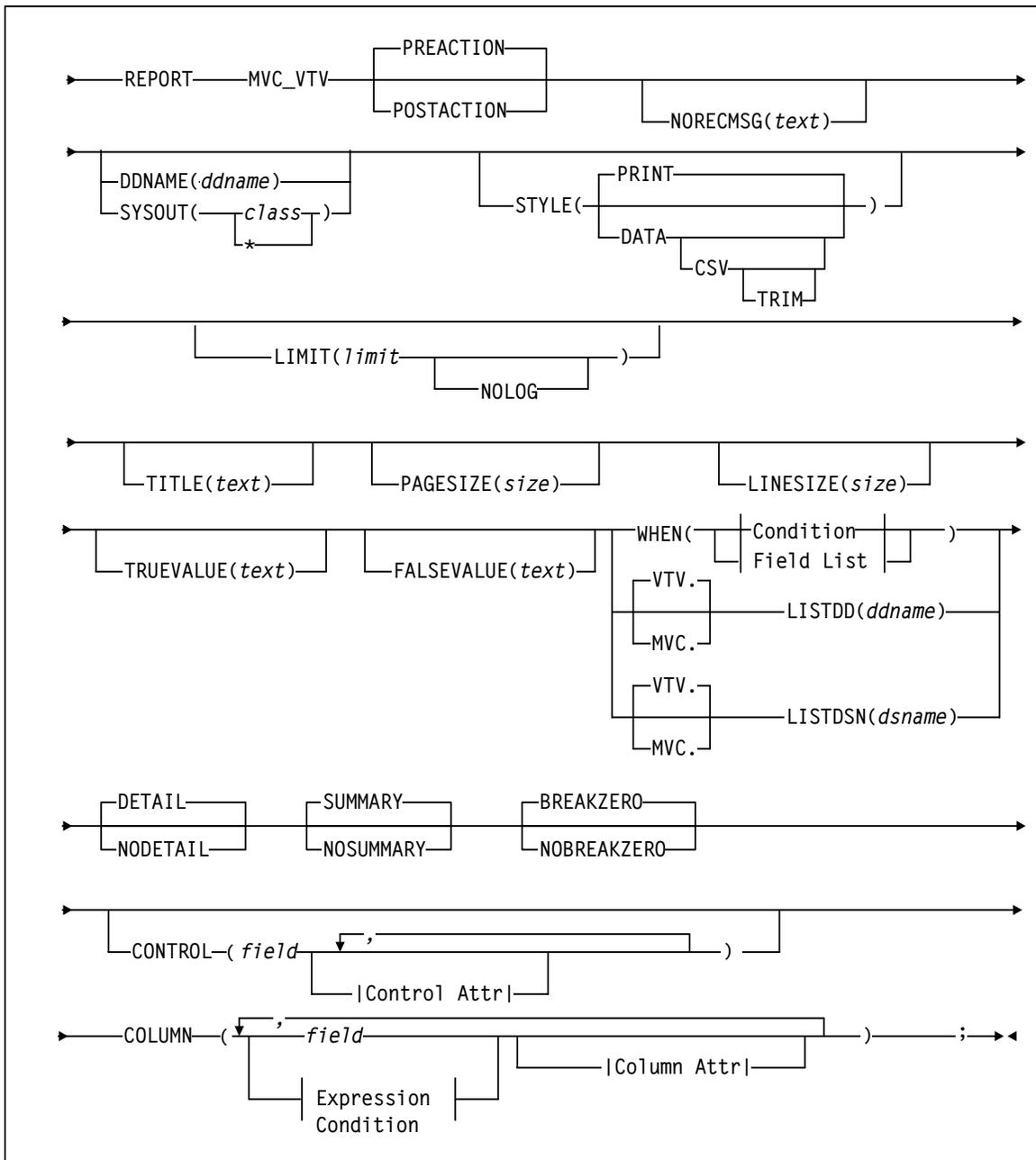


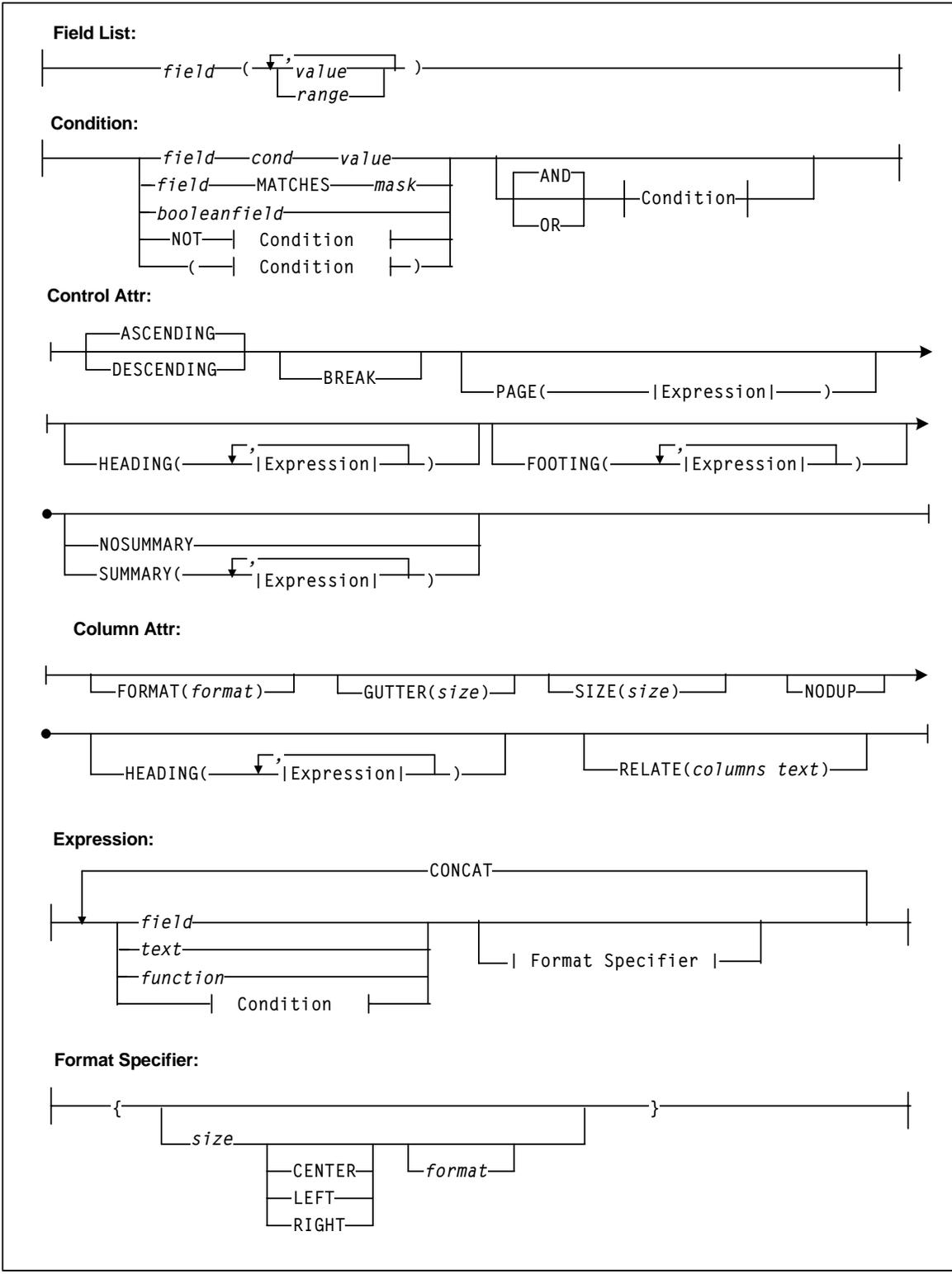
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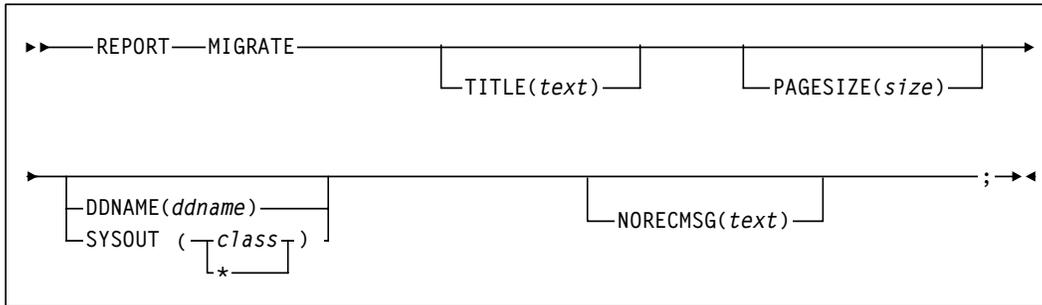


# REPORT MVC\_VTV

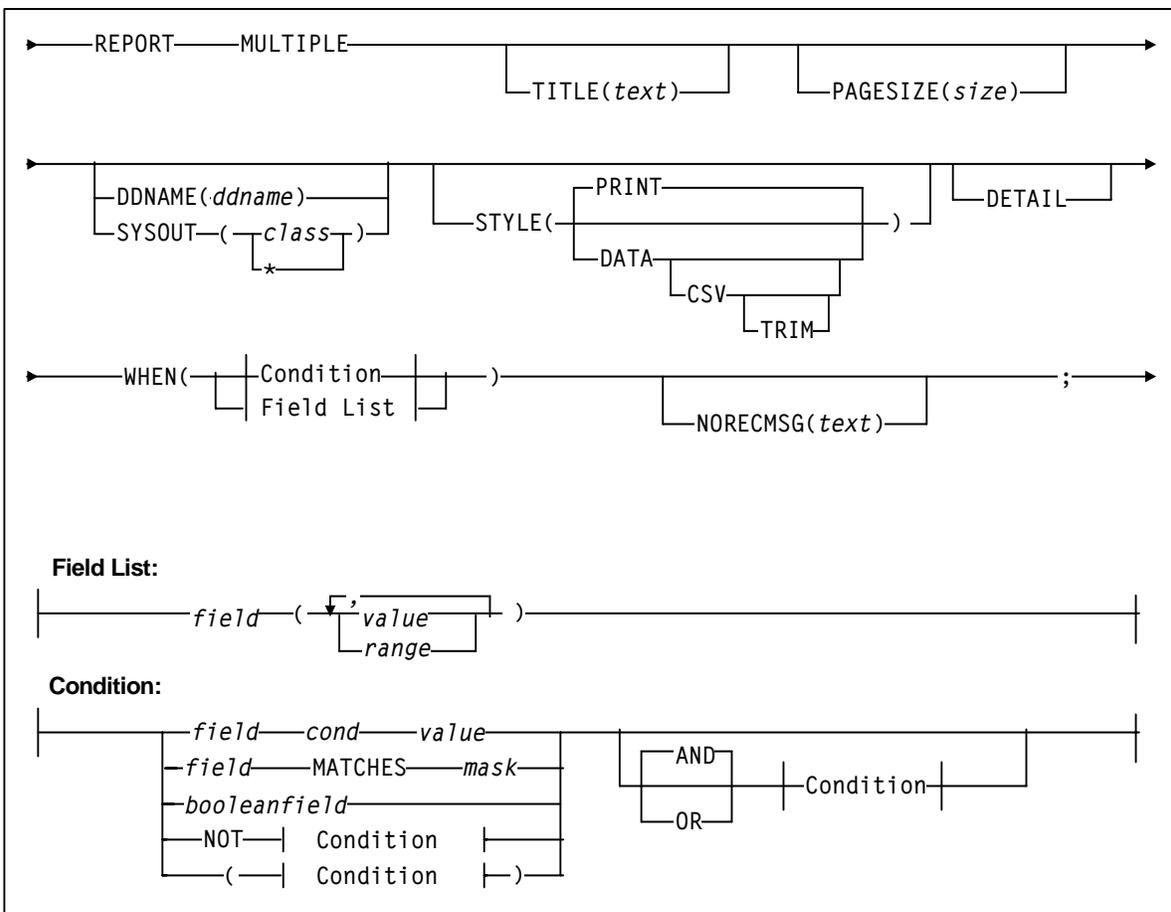




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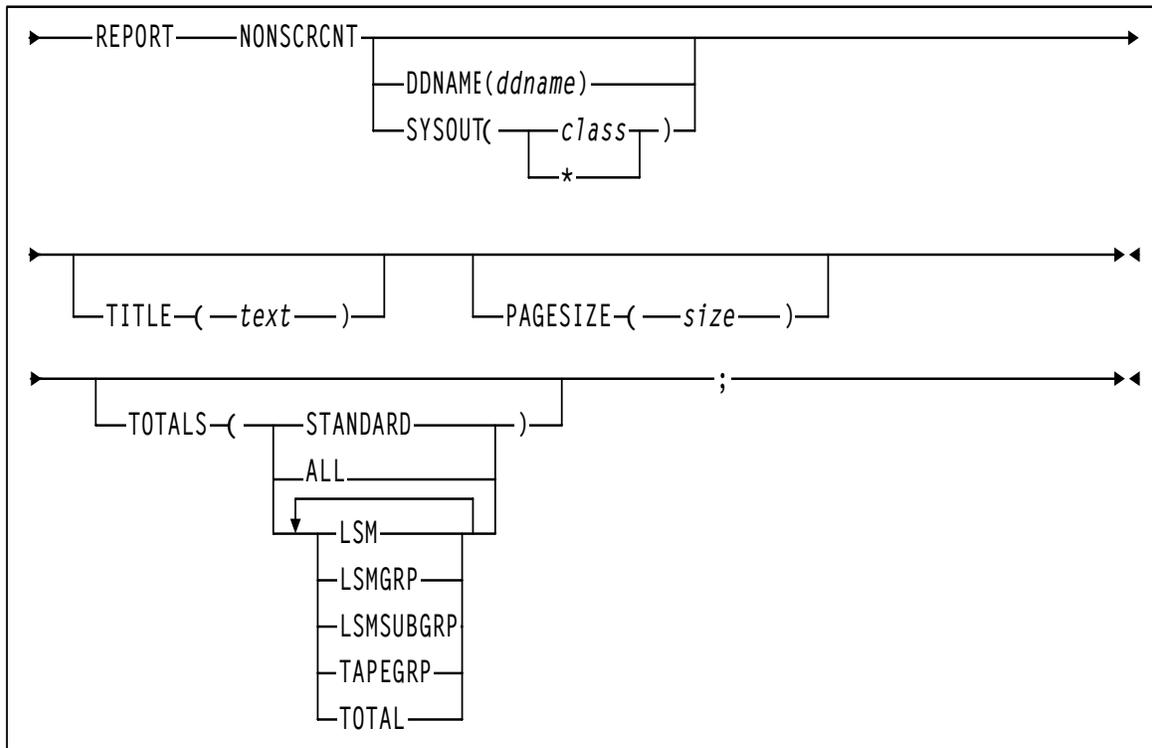


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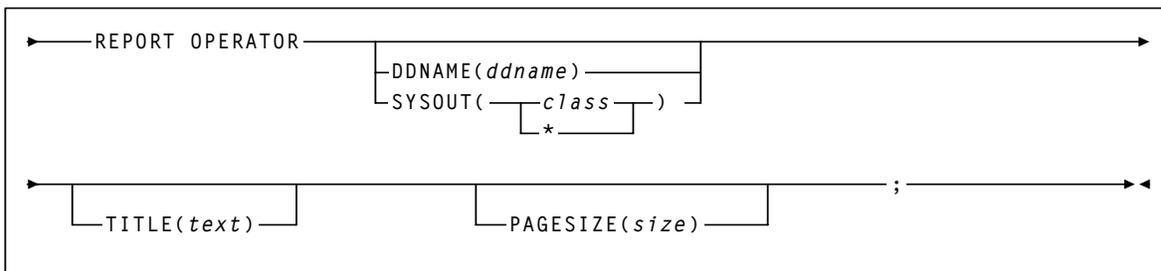
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## REPORT NONSCRCNT

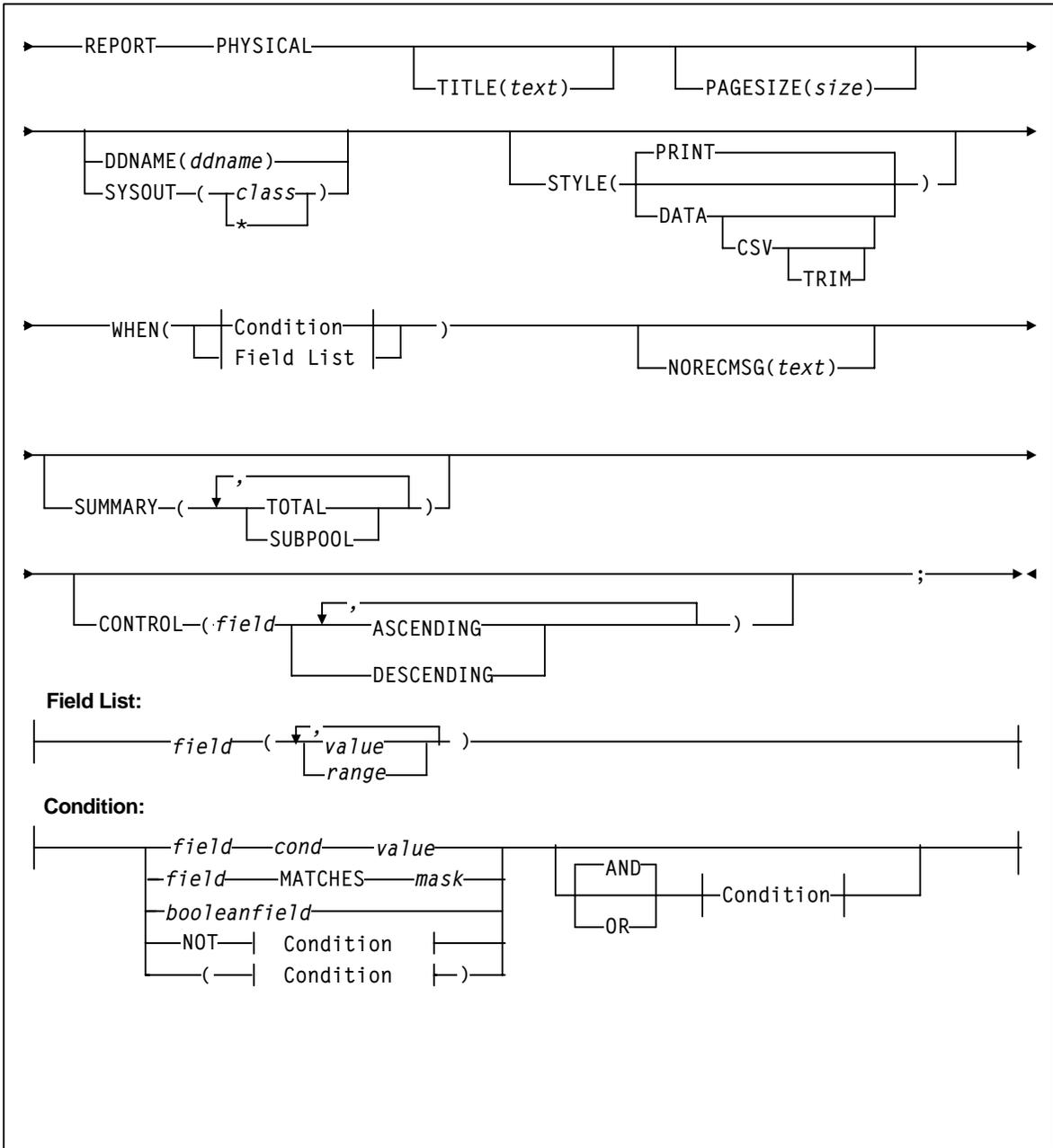


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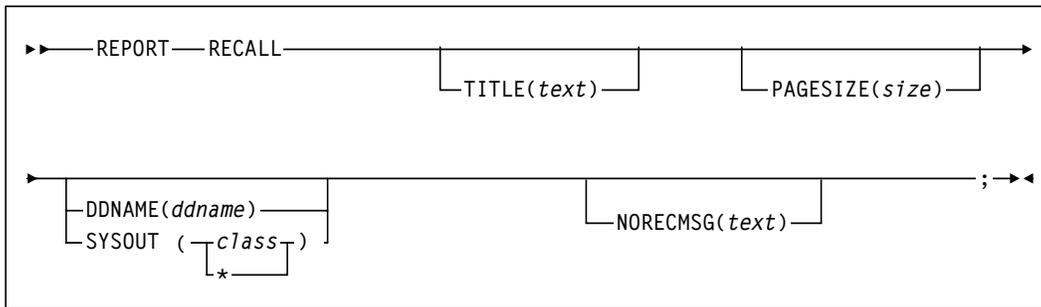


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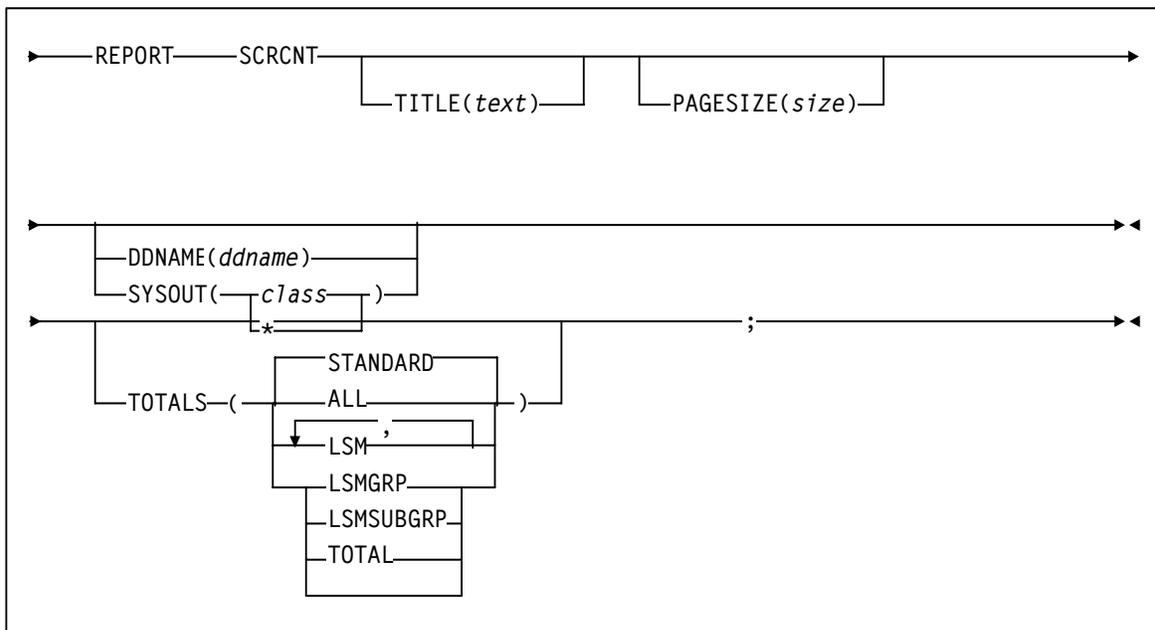
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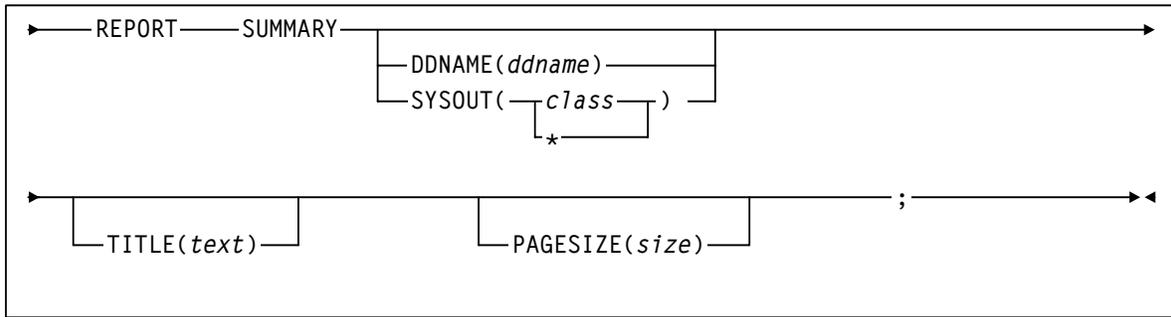


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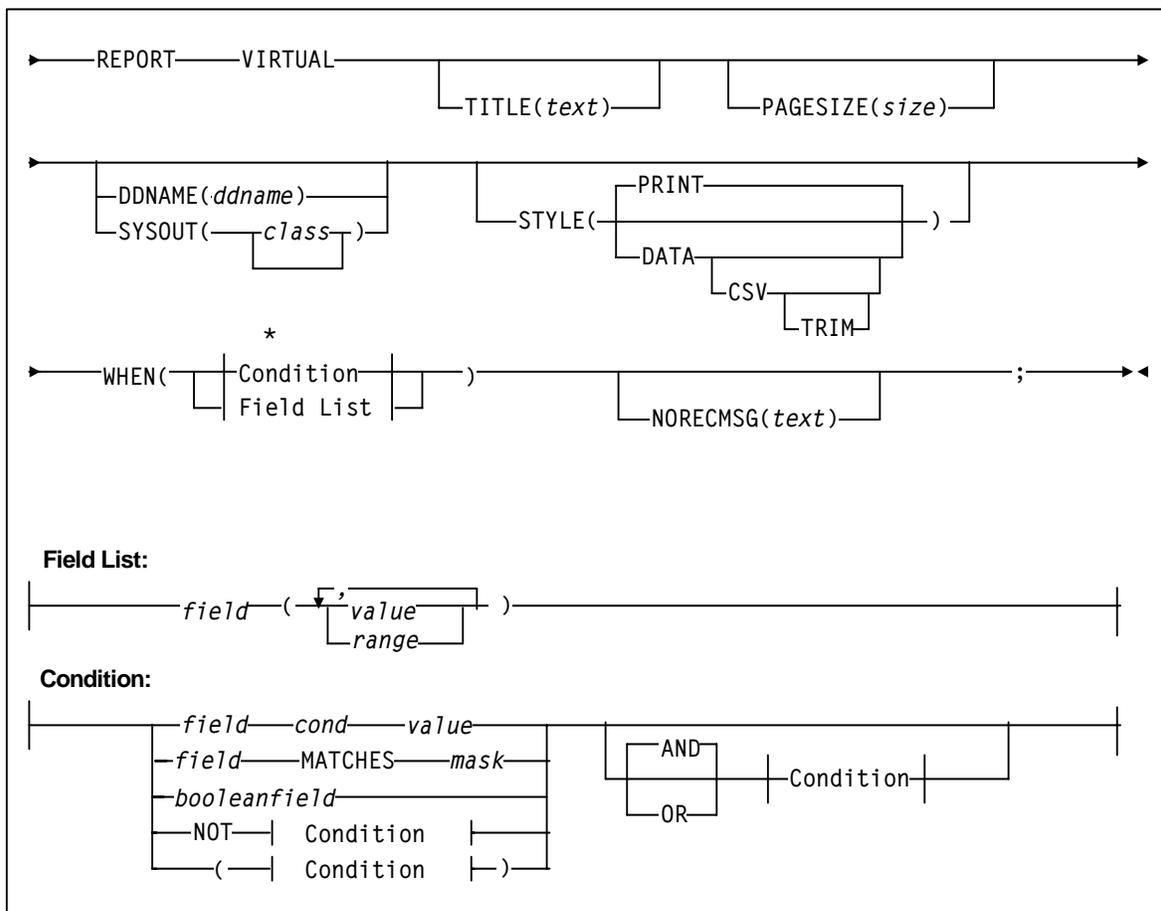
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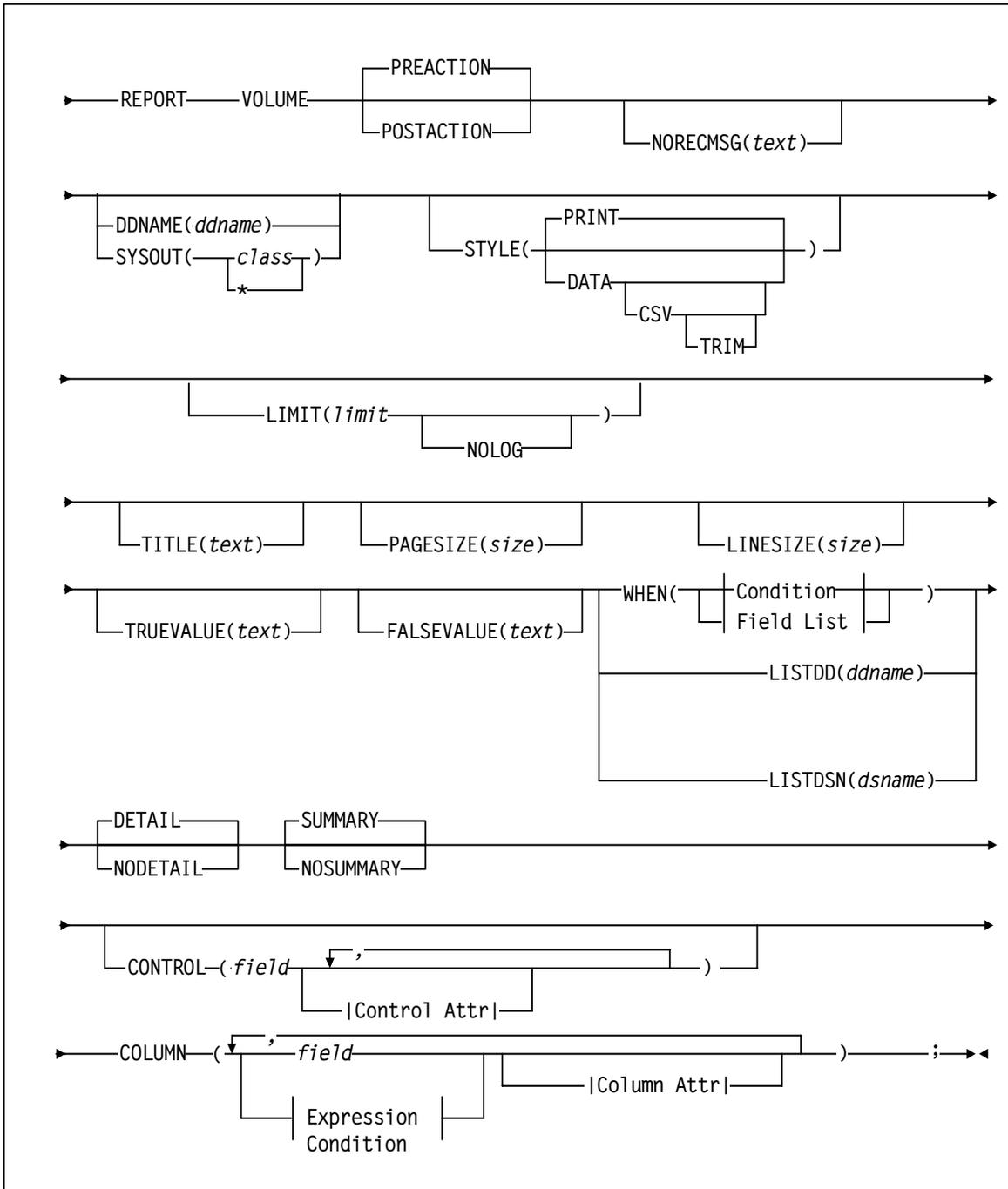
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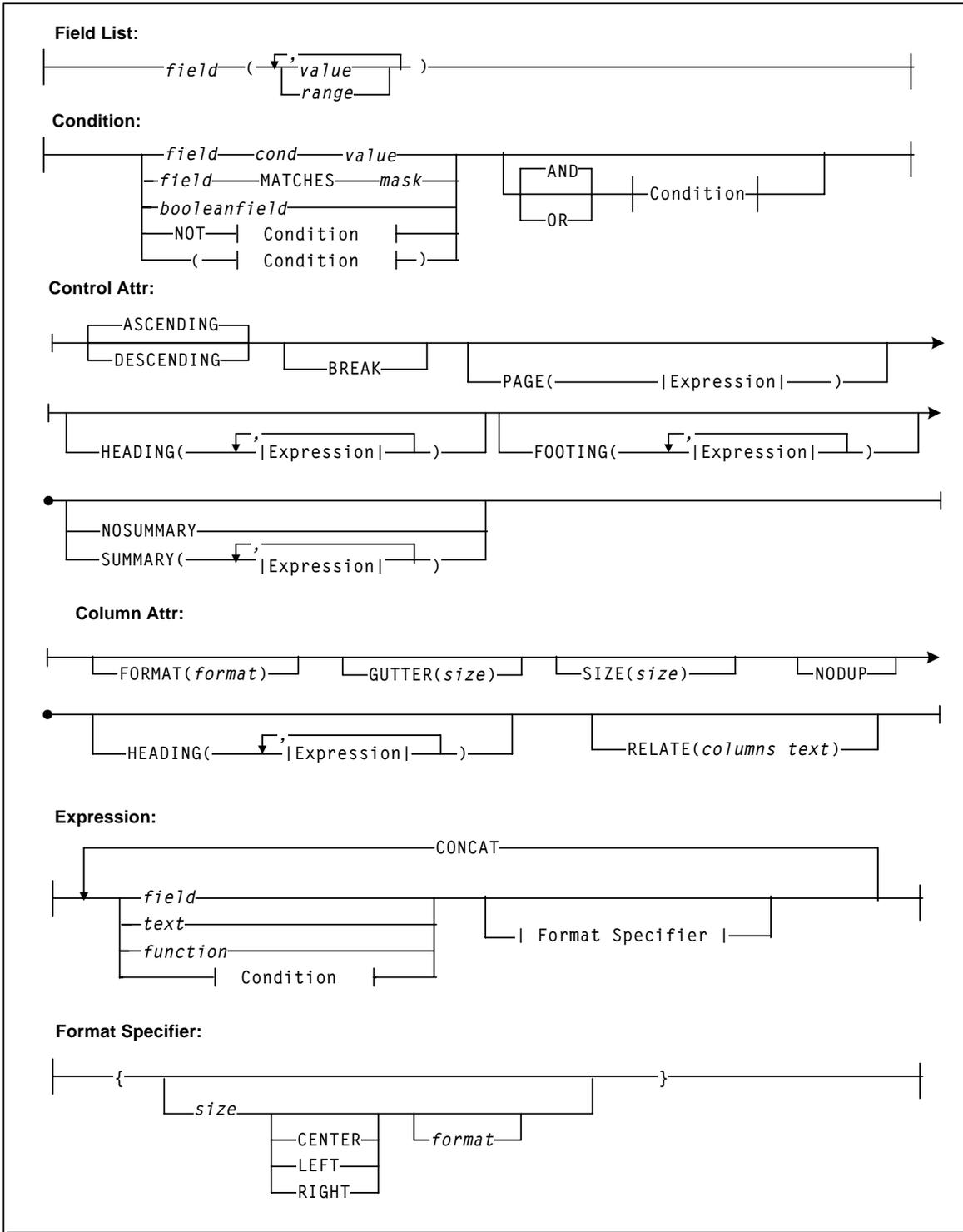
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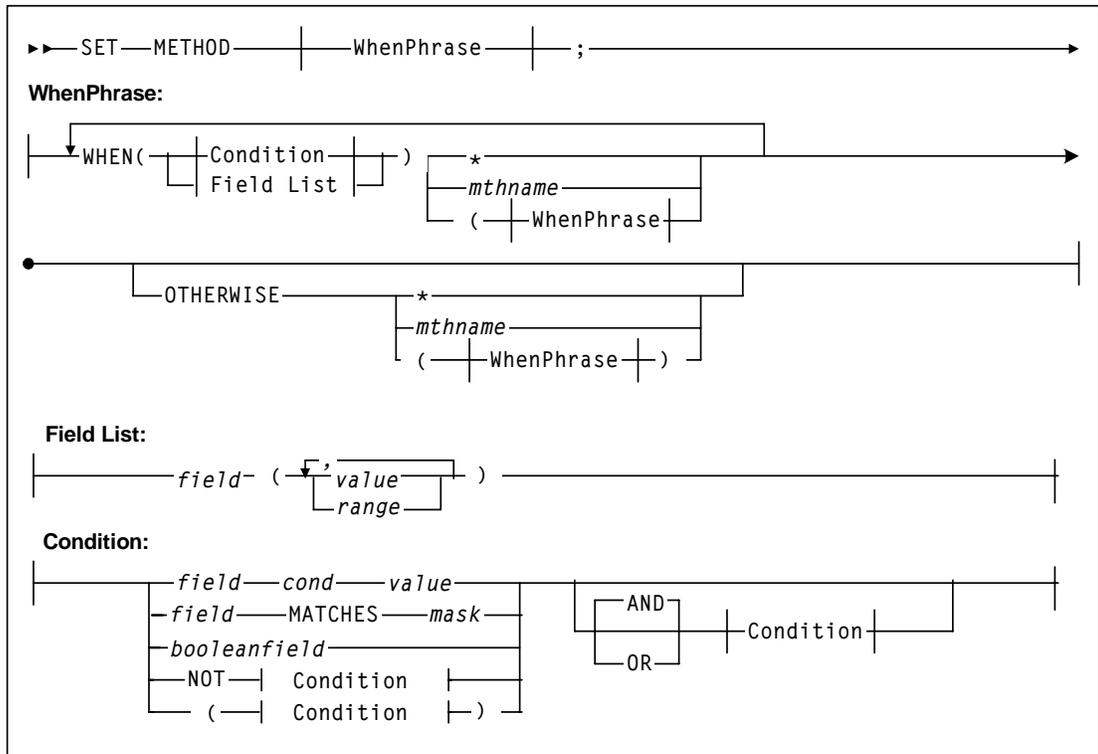
# REPORT VOLUME



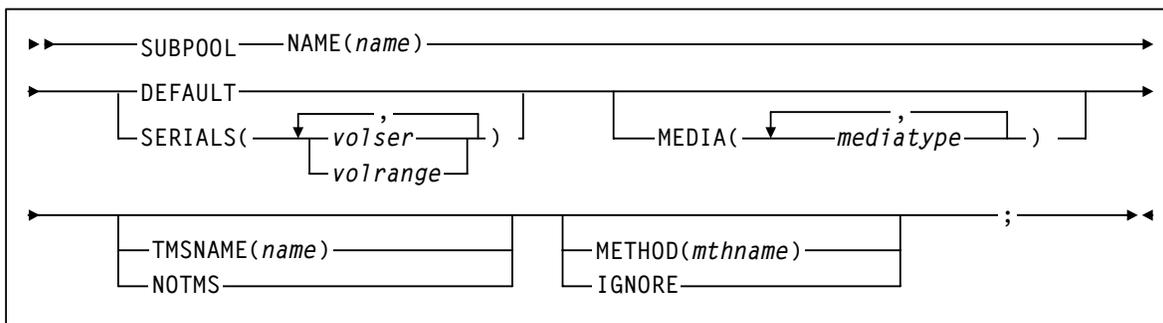
# REPORT VOLUME Continued



## SET METHOD

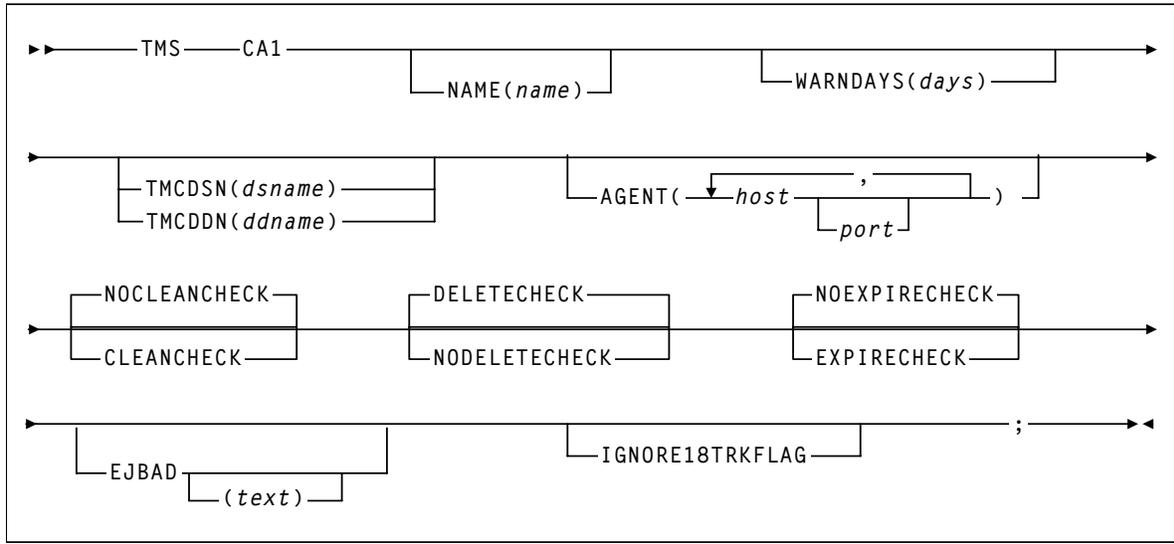


## SUBPOOL



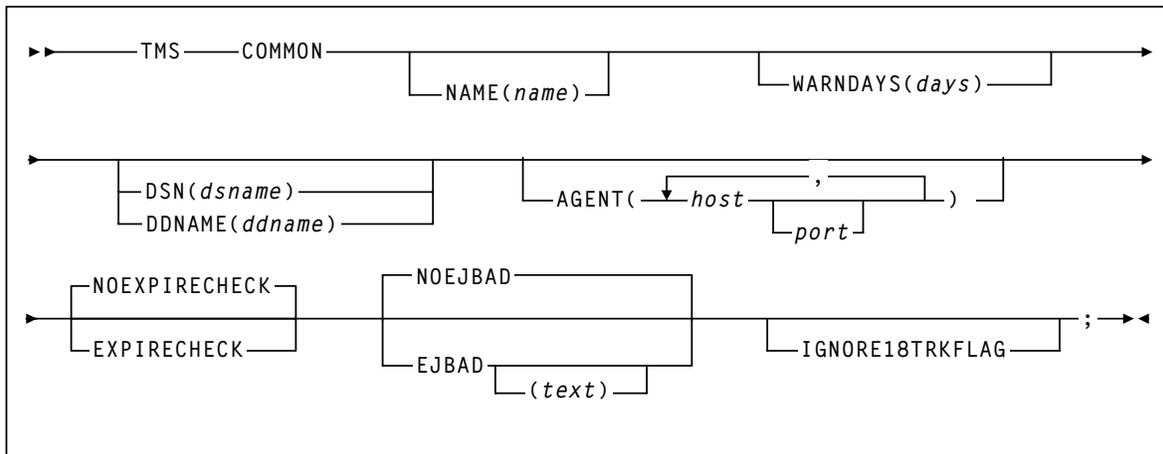
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## TMS CA1

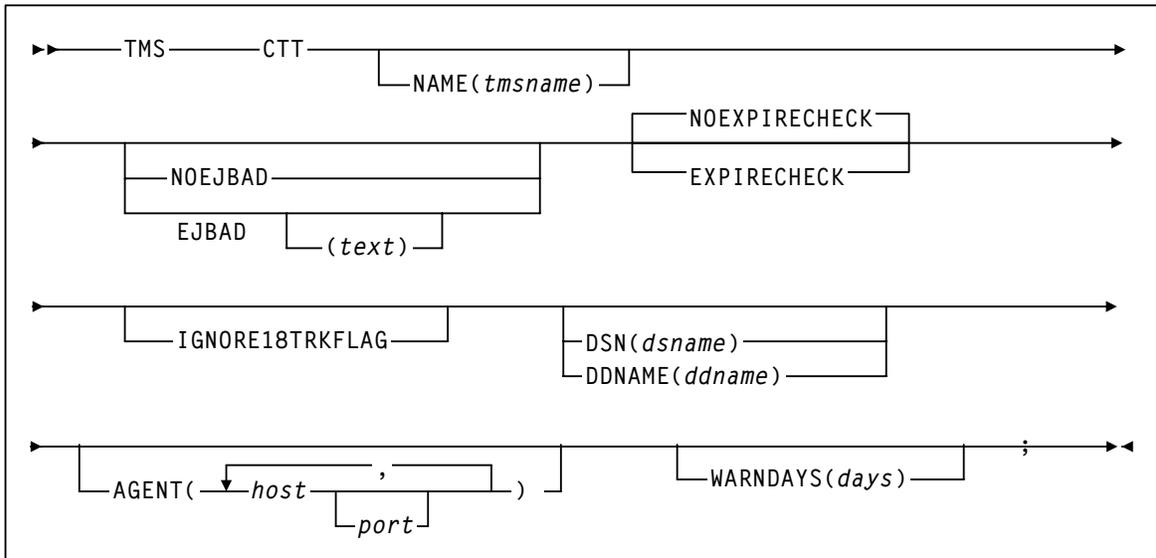


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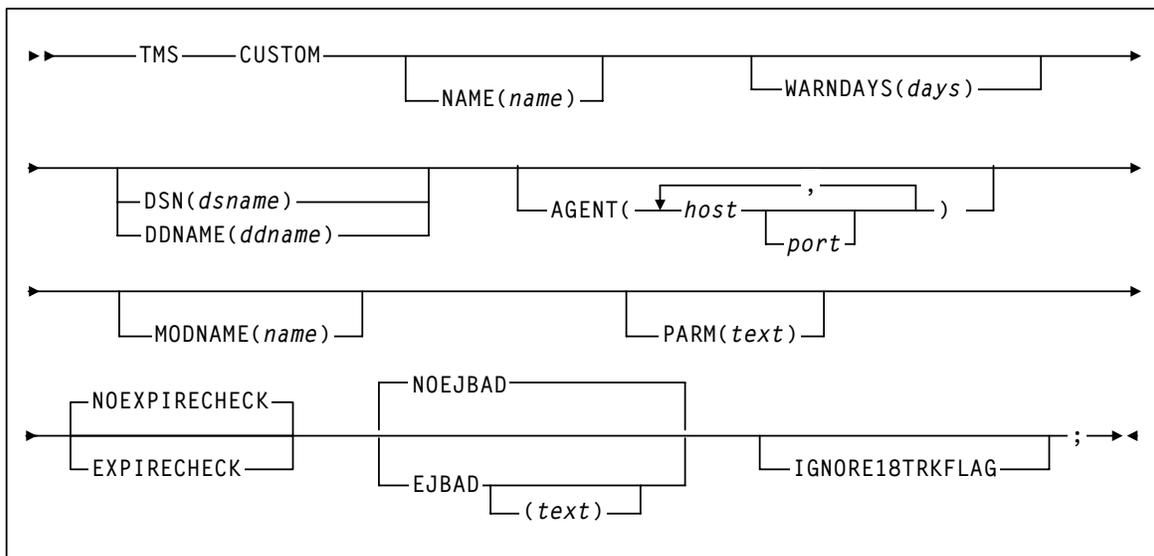
## TMS COMMON



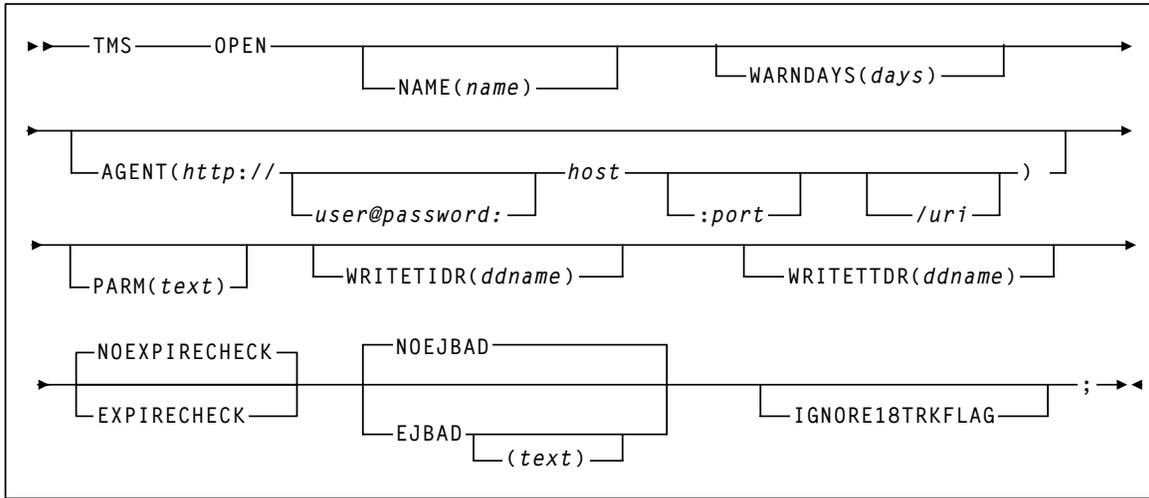
## TMS CTT



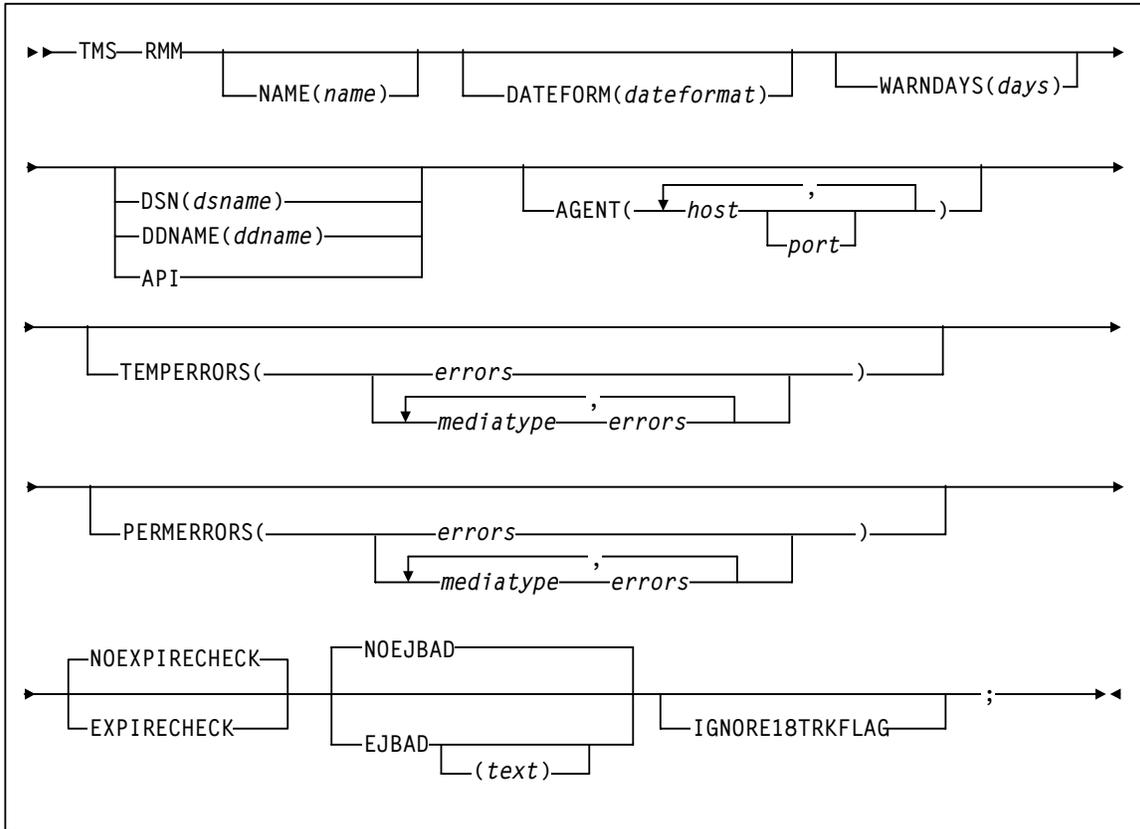
## TMS CUSTOM



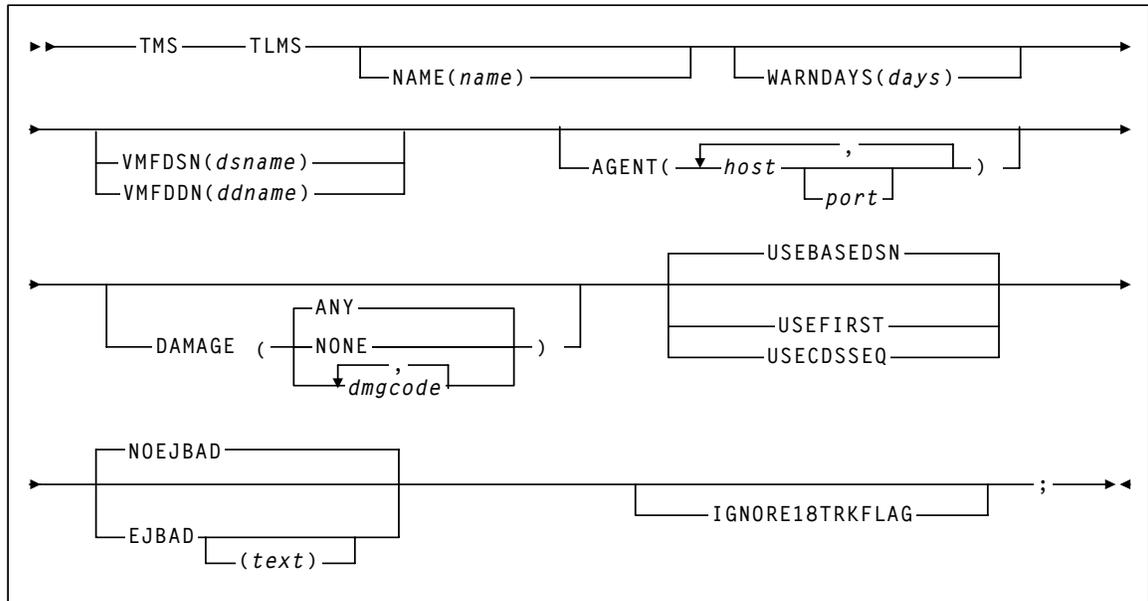
# TMS OPEN



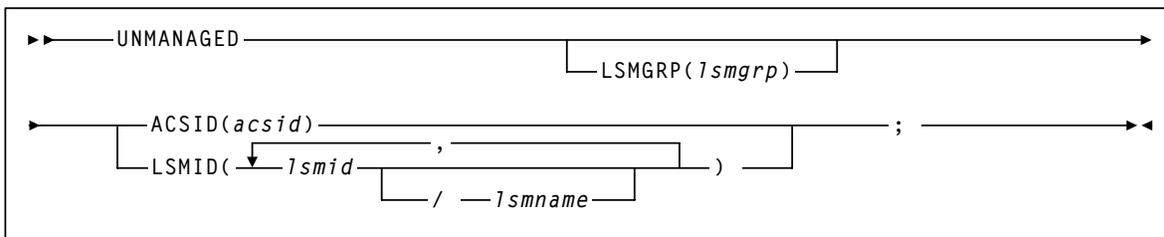
# TMS RMM



## TMS TLMS



## UNMANAGED





## LCM Operator Commands

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### Using MVS Commands

#### Using the MVS MODIFY Command to Monitor and Control LCM Batch Jobs

You use the MVS MODIFY command to issue the LCM Display, Pause, REDIRECT, and Resume commands.

For example, to display the status of CAP 000 for jobname LCM, enter:

```
f lcm,display cap 000
```

#### Using the MVS STOP Command to Stop LCM

You can use the MVS STOP command to stop LCM. It will allow in-process operations to complete as follows:

- All volumes currently being ejected are placed in a CAP and must be removed before LCM stops.
- All volumes currently being moved are placed their destination cells before LCM will stop.
- All currently scheduled consolidations will complete.

For example, to stop jobname LCM:

```
p lcm
```

---

**Caution** – If you enter the STOP command a second time, LCM terminates immediately, without waiting for scheduled actions to complete.

---

## Using the MVS MODIFY Command to Monitor and Control LCM Agent

The LCM Agent also uses the MVS MODIFY command. For example, to display LCM Agent status, enter:

```
f lcmagent,display
```

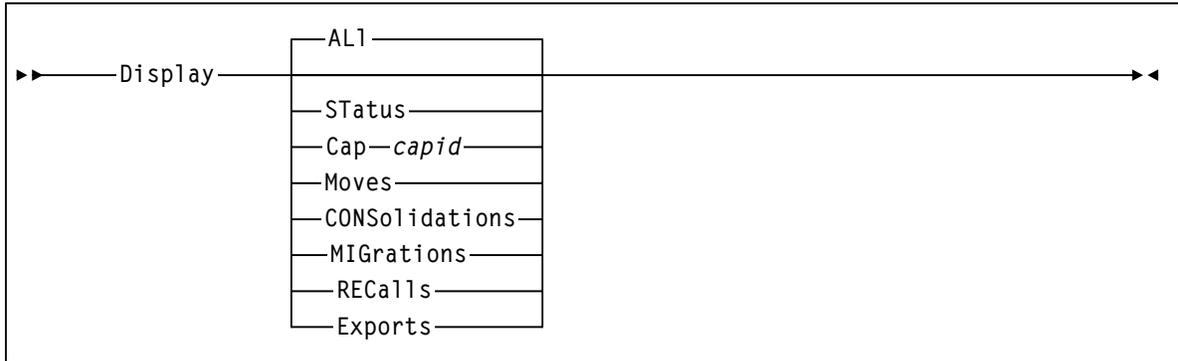
To change the LCM Agent maximum concurrent client connections, enter:

```
f lcmagent,maxconn nn
```

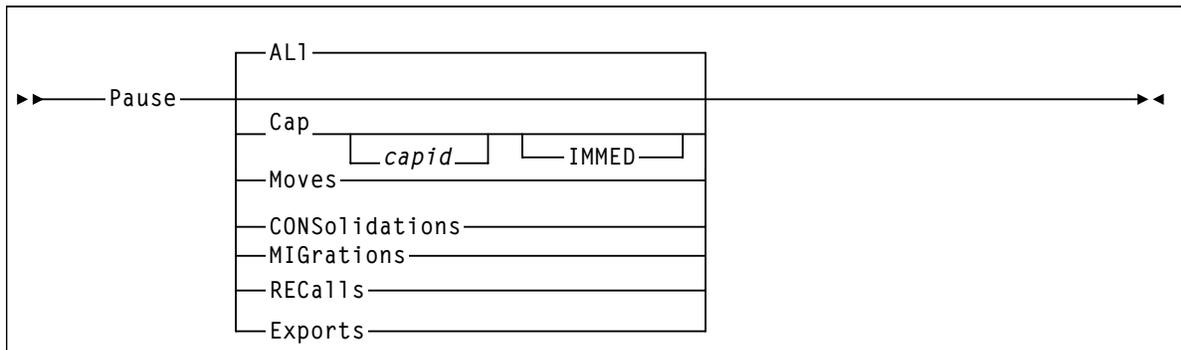
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# LCM Operator Commands

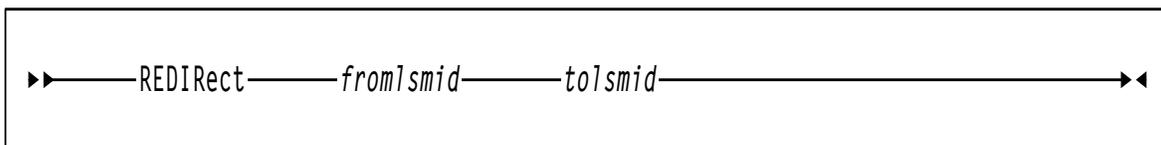
## DISPLAY Command



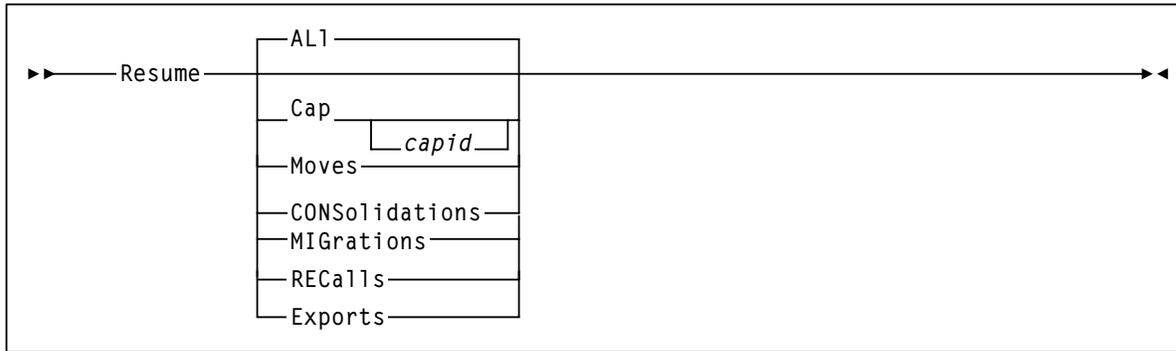
## PAUSE Command



## REDIRECT Command



# RESUME Command



## LCM 7.0 Field Tables

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The following sections contain information about the LCM 7.0 Field Tables:

- “ACTION Statement WHEN Fields” on page 42
- “SET METHOD Statement WHEN Fields” on page 78
- “REPORT LSM Statement Fields” on page 113
- “REPORT MVC\_VTV Statement Fields” on page 116
- “REPORT VOLUME Statement Fields” on page 117
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- “Fields Specific to TMS RMM” on page 239

## ACTION Statement WHEN Fields

**TABLE 3-1** ACTION Statement WHEN Fields

| Field    | Type             | Source | Description  |
|----------|------------------|--------|--|
| BAAbdfg  | char             | TLMS   | TLMS-specific abend flag.                            |
| BAActive | int              | TLMS   | TLMS-specific active file count.                     |
| BAAscbse | char             | TLMS   | TLMS-specific associated base.                       |
| BAAsevol | char             | TLMS   | TLMS-specific associated volume.                     |
| BABlkcnt | int              | TLMS   | TLMS-specific block count.                           |
| BABlksiz | int              | TLMS   | TLMS-specific block size.                            |
| BABuydat | date             | TLMS   | TLMS-specific purchase date.                         |
| BACdsexp | date             | TLMS   | TLMS-specific highest IBM expiration date on volume. |
| BACdsflg | char             | TLMS   | TLMS-specific controlling data set flag.             |
| BACdskep | date             | TLMS   | TLMS-specific highest keep date on volume.           |
| BACdsseq | int              | TLMS   | TLMS-specific controlling data set sequence number.  |
| BACHnvol | char             | TLMS   | TLMS-specific 1st volume in chain.                   |
| BACkptkn | char             | TLMS   | TLMS-specific check point taken (Y=Yes; B=No).       |
| BAClncnt | int              | TLMS   | TLMS-specific cleanings since certified.             |
| BAClndat | date             | TLMS   | TLMS-specific clean date.                            |
| BACpusmf | char             | TLMS   | TLMS-specific creation CPU SMF ID.                   |
| BACredat | date             | TLMS   | TLMS-specific create date.                           |
| BACreddn | char             | TLMS   | TLMS-specific creation ddname.                       |
| BACredev | char (alternate) | TLMS   | TLMS-specific creation drive.                        |
| BACrejob | char             | TLMS   | TLMS-specific creation jobname.                      |
| BACrepgm | char             | TLMS   | TLMS-specific creation program name.                 |
| BACrestp | char             | TLMS   | TLMS-specific creation stepname.                     |
| BACretim | time             | TLMS   | TLMS-specific time of day the volume was created.    |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field    | Type             | Source | Description                                     |
|----------|------------------|--------|---|
| BACreunt | char (alternate) | TLMS   | TLMS-specific creation unit.                    |
| BACrctnt | int              | TLMS   | TLMS-specific total certifications.             |
| BACrtdat | date             | TLMS   | TLMS-specific certification date.               |
| BADamcde | char             | TLMS   | TLMS-specific damaged code.                     |
| BADen    | char             | TLMS   | TLMS-specific density.                          |
| BADescde | char             | TLMS   | TLMS-specific destroyed code.                   |
| BADesdat | date             | TLMS   | TLMS-specific destroyed date.                   |
| BADsn    | char             | TLMS   | TLMS-specific data set name.                    |
| BAErgcnt | int              | TLMS   | TLMS-specific current erase gaps on volume.     |
| BAErgmax | int              | TLMS   | TLMS-specific max erase gaps on volume.         |
| BAExpdat | date             | TLMS   | TLMS-specific IBM expiration date for data set. |
| BAFilcnt | int              | TLMS   | TLMS-specific file count.                       |
| BAFilseq | int              | TLMS   | TLMS-specific file sequence in chain.           |
| BAFlg001 | int              | TLMS   | TLMS-specific reserved for CA-1 FLG001.         |
| BAFlg003 | int              | TLMS   | TLMS-specific reserved for CA-1 FLG003.         |
| BAFlg004 | int              | TLMS   | TLMS-specific reserved for CA-1 FLG004.         |
| BAFlg005 | int              | TLMS   | TLMS-specific reserved for TLMS FLG005.         |
| BAFlg006 | int              | TLMS   | TLMS-specific reserved for TLMS FLG006.         |
| BAKepdat | date             | TLMS   | TLMS-specific keep date for data set.           |
| BALabtyp | char             | TLMS   | TLMS-specific label type.                       |
| BALasdat | date             | TLMS   | TLMS-specific last used date.                   |
| BALasdev | char (alternate) | TLMS   | TLMS-specific last used drive.                  |
| BALasjob | char             | TLMS   | TLMS-specific last used jobname.                |
| BALasunt | char (alternate) | TLMS   | TLMS-specific last used unit.                   |
| BALoc    | char             | TLMS   | TLMS-specific volume location.                  |
| BALoscde | char             | TLMS   | TLMS-specific lost code.                        |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field     | Type             | Source | Description   |
|-----------|------------------|--------|---|
| BAMds1st  | char (alternate) | TLMS   | TLMS-specific multi-dataset first chain pointer.                              |
| BAMdslst  | char (alternate) | TLMS   | TLMS-specific multi-dataset last chain pointer.                               |
| BAMovdat  | date             | TLMS   | TLMS-specific date volume moved.  |
| BAMvlcnt  | int              | TLMS   | TLMS-specific count of volumes in BAMvltab.                                   |
| BAMvlseq1 | int              | TLMS   | TLMS-specific multi-volume sequence number 1.                                 |
| BAMvlseq2 | int              | TLMS   | TLMS-specific multi-volume sequence number 2.                                 |
| BAMvlseq3 | int              | TLMS   | TLMS-specific multi-volume sequence number 3.                                 |
| BAMvlseq4 | int              | TLMS   | TLMS-specific multi-volume sequence number 4.                                 |
| BAMvlseq5 | int              | TLMS   | TLMS-specific multi-volume sequence number 5.                                 |
| BAMvlvol1 | char             | TLMS   | TLMS-specific multi-volume chain serial number 1.                             |
| BAMvlvol2 | char             | TLMS   | TLMS-specific multi-volume chain serial number 2.                             |
| BAMvlvol3 | char             | TLMS   | TLMS-specific multi-volume chain serial number 3.                             |
| BAMvlvol4 | char             | TLMS   | TLMS-specific multi-volume chain serial number 4.                             |
| BAMvlvol5 | char             | TLMS   | TLMS-specific multi-volume chain serial number 5.                             |
| BAOutsrv  | char             | TLMS   | TLMS-specific out of service code. Contains BALoscde, BADamcde, and BADescde. |
| BARecsiz  | int              | TLMS   | TLMS-specific logical record length.  |
| BARederr  | int              | TLMS   | TLMS-specific current temporary read errors.                                  |
| BARfm     | char             | TLMS   | TLMS-specific record format.  |
| BARtncnt1 | int              | TLMS   | TLMS-specific retention count for retention entry 1.                          |
| BARtncnt2 | int              | TLMS   | TLMS-specific retention count for retention entry 2.                          |
| BARtncnt3 | int              | TLMS   | TLMS-specific retention count for retention entry 3.                          |
| BARtncnt4 | int              | TLMS   | TLMS-specific retention count for retention entry 4.                          |
| BARtncnt5 | int              | TLMS   | TLMS-specific retention count for retention entry 5.                          |
| BARtncnt6 | int              | TLMS   | TLMS-specific retention count for retention entry 6.                          |
| BARtndev  | char             | TLMS   | TLMS-specific box or cabinet/slot.  |

**TABLE 3-1 ACTION Statement WHEN Fields**

| Field     | Type | Source | Description   |
|-----------|------|--------|---|
| BARtnLoc1 | char | TLMS   | TLMS-specific user retention location for retention entry 1.  |
| BARtnLoc2 | char | TLMS   | TLMS-specific user retention location for retention entry 2.  |
| BARtnLoc3 | char | TLMS   | TLMS-specific user retention location for retention entry 3.  |
| BARtnLoc4 | char | TLMS   | TLMS-specific user retention location for retention entry 4.  |
| BARtnLoc5 | char | TLMS   | TLMS-specific user retention location for retention entry 5.  |
| BARtnLoc6 | char | TLMS   | TLMS-specific user retention location for retention entry 6.  |
| BARtnptr  | char | TLMS   | TLMS-specific offset of active retention entry.   |
| BARtnsrc  | char | TLMS   | TLMS-specific retention source. ' ' (blank) = No retention data; '1' = From RMF; '2' = From JCL; '3' = From manual update.  |
| BARntyp1  | char | TLMS   | TLMS-specific user retention type for retention entry 1. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp2  | char | TLMS   | TLMS-specific user retention type for retention entry 2. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp3  | char | TLMS   | TLMS-specific user retention type for retention entry 3. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp4  | char | TLMS   | TLMS-specific user retention type for retention entry 4. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp5  | char | TLMS   | TLMS-specific user retention type for retention entry 5. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp6  | char | TLMS   | TLMS-specific user retention type for retention entry 6. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BAScrdat  | date | TLMS   | TLMS-specific date volume scratched.  |
| BAScruid  | char | TLMS   | TLMS-specific scratched by ID. '1' = TRS; '2' = JCL; '3' = Manual; '4' = External data manager.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field    | Type             | Source | Description  |
|----------|------------------|--------|--|
| BaseName | char             | TMS    | The controlling data set name of the volume. If the data set is a member of a Generation Data Group, only the base name (no .GnnnnVnn) is included.                                      |
| BASmsmgt | char             | TLMS   | TLMS-specific SMS management class   |
| BASpcchn | char             | TLMS   | TLMS-specific special chaining (chained for moves).  |
| BASpnflg | char             | TLMS   | TLMS-specific spanned data set flag (1=spanned).   |
| BASrvscr | char             | TLMS   | TLMS-specific service/scratch indicator. '0' = Skipped segment record; '1' = In service/Non scratch; '2' = In service/Scratch; '3' = Out service/Non scratch; '4' = Out Service/Scratch. |
| BATaplen | int              | TLMS   | TLMS-specific tape length.   |
| BATapmod | char             | TLMS   | TLMS-specific track recording technique.   |
| BATaptyp | char             | TLMS   | TLMS-specific tape type.   |
| BATrspro | char             | TLMS   | TLMS-specific TRS has processed this volume.   |
| BAUnisrt | int              | TLMS   | TLMS-specific sort unique code.  |
| BAUsebuy | int              | TLMS   | TLMS-specific uses since purchased.  |
| BAUsecln | int              | TLMS   | TLMS-specific uses since cleaned.  |
| BAUsecrt | int              | TLMS   | TLMS-specific uses since certified.  |
| BAUsr001 | char             | TLMS   | TLMS-specific user data. (Defaults to job accounting - TCB).   |
| BAUsr002 | char             | TLMS   | TLMS-specific user data. (Defaults to programmer name - TCB).  |
| BAUsr003 | char             | TLMS   | TLMS-specific user data area.  |
| BAVender | char             | TLMS   | TLMS-specific user updated manufacturer code.  |
| BAVol1st | char (alternate) | TLMS   | TLMS-specific multi-volume first volume serial number pointer.   |
| BAVolcnt | int              | TLMS   | TLMS-specific volume count.  |
| BAVollst | char (alternate) | TLMS   | TLMS-specific multi-volume last chain pointer.   |
| BAVolown | char             | TLMS   | TLMS-specific volume owner.  |
| BAVolseq | int              | TLMS   | TLMS-specific volume sequence number.  |
| BAVolser | char             | TLMS   | TLMS-specific volume serial number   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                                     | Type             | Source                      | Description  |
|---|------------------|-----------------------------|--|
| Classification<br>CLS                     | char (alternate) | HSC,<br>MVC,<br>TMS,<br>VTV | Classification of the volume.<br><br>BadScratch<br>Volumes marked defective and scratch in TMS<br>Clean<br>Volumes with the HSC cleaning prefix<br>Expired<br>Volumes marked not scratch and expired in TMS<br>NonScratch<br>Volumes not scratch, badscratch, expired, or clean<br>Scratch<br>Volumes available for receiving new tape data sets |
| Clean<br>CLN                              | bool             | LCM                         | This volume is a cleaning cartridge.   |
| Copy                                      | int              | TMS                         | Copy number of the volume. A value of 1 refers to the most recently created copy of the data set according to the tape management system, 2 refers to the next most recently created copy, and so on.  |
| CreatingTMSDrive<br>CTDRIVE               | char (alternate) | TMS                         | The unit address of the tape drive on which the tape data set was created, printed as a hexadecimal character string.  |
| CreationDate<br>CDATE                     | date             | MVC,<br>TMS,<br>VTV         | The date the volume was created. The first available field of the following determines the creation date: CreationTMSDate, CreationVTVDate, CreationMVDate.  |
| CreationJobName<br>CJOBNAME<br>JOBNAME    | char             | TMS                         | The JCL job name that created the volume.  |
| CreationMVDate<br>CMDATE                  | date             | MVC                         | The date the volume was created as recorded by VSM.  |
| CreationMVCTime<br>CMTIME                 | time             | MVC                         | The time of day the volume was created as recorded by VSM.   |
| CreationStepName<br>CSTEPNAME<br>STEPNAME | char             | TMS                         | The JCL step name that created the volume.   |
| CreationTime<br>CTIME                     | time             | MVC,<br>TMS,<br>VTV         | The time of day the volume was created. The first available field of the following determines the creation time: CreationTMSTime, CreationVTVTime, CreationMVCTime.  |
| CreationTMSDate<br>CTDATE                 | date             | TMS                         | The date the volume was created as recorded in the associated tape management system.  |
| CreationTMSTime<br>CTTIME                 | time             | TMS                         | The time of day the volume was created as recorded in the associated tape management system.   |
| CreationVTVDate<br>CVDATE                 | date             | VTV                         | The date the volume was created as recorded by VSM.  |
| CreationVTVTime<br>CVTIME                 | time             | VTV                         | The time of day the volume was created as recorded by VSM.   |
| CTAccount                                 | char             | ControlT                    | Control-T-specific accounting information  |
| CTActiveds                                | int              | ControlT                    | Control-T-specific number of active labels on volume.  |
| CTBlksize                                 | int              | ControlT                    | Control-T-specific block size.   |
| CTBlockct                                 | int              | ControlT                    | Control-T-specific block count.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field      | Type             | Source   | Description   |
|------------|------------------|----------|---|
| CTBoxid    | char             | ControlT | Control-T-specific box ID.  |
| CTChkindt  | date             | ControlT | Control-T-specific volume check-in date.                                  |
| CTCIncount | int              | ControlT | Control-T-specific clean count  |
| CTCrecpu   | char             | ControlT | Control-T-specific creation CPU name.                                     |
| CTCreddn   | char             | ControlT | Control-T-specific creation DD name.                                      |
| CTCredt    | date             | ControlT | Control-T-specific creation date.   |
| CTCrejbn   | char             | ControlT | Control-T-specific creation job name.                                     |
| CTCrepgm   | char             | ControlT | Control-T-specific creation program name.                                 |
| CTCrestep  | char             | ControlT | Control-T-specific creation stepname.                                     |
| CTCretm    | time             | ControlT | Control-T-specific creation time  |
| CTCreuad   | char (alternate) | ControlT | Control-T-specific creation unit address.                                 |
| CTDdsexpd1 | date             | ControlT | Control-T-specific first expiration date.                                 |
| CTDdsexpd2 | date             | ControlT | Control-T-specific second expiration date.                                |
| CTDdsexpd3 | date             | ControlT | Control-T-specific third expiration date.                                 |
| CTDeleted  | bool             | ControlT | Control-T-specific volume marked as deleted.                              |
| CTDsname   | char             | ControlT | Control-T-specific data set name.   |
| CTDsvolser | char             | ControlT | Control-T-specific first data set begins on volume.                       |
| CTDyndef   | bool             | ControlT | Control-T-specific volume dynamically added.                              |
| CTEdm      | bool             | ControlT | Control-T-specific volume managed by an External Data Manager.            |
| CTExprrtn  | date             | ControlT | Control-T-specific expected return date from out location.                |
| CTExtdel   | bool             | ControlT | Control-T-specific volume will be deleted when expired.                   |
| CTExternal | bool             | ControlT | Control-T-specific external volume.                                       |
| CTFirstvol | char             | ControlT | Control-T-specific first volume in the multi-volume group.                |
| CTHold     | bool             | ControlT | Control-T-specific volume is in the main library due to recall operation. |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field       | Type | Source   | Description   |
|-------------|------|----------|---|
| CTInatl     | bool | ControlT | Control-T-specific volume resides inside a robotic tape library.            |
| CTInuse     | bool | ControlT | Control-T-specific volume currently in use.                                 |
| CTIoerprm   | int  | ControlT | Control-T-specific permanent read errors.                                   |
| CTIoerpmc   | int  | ControlT | Control-T-specific permanent read errors since last clean.                  |
| CTIoertmp   | int  | ControlT | Control-T-specific temporary read errors.                                   |
| CTIoertmpc  | int  | ControlT | Control-T-specific temporary read errors since last clean                   |
| CTIoewprm   | int  | ControlT | Control-T-specific permanent write errors.                                  |
| CTIoewpmc   | int  | ControlT | Control-T-specific permanent write errors since last clean.                 |
| CTIoewtmp   | int  | ControlT | Control-T-specific temporary write errors.                                  |
| CTIoewtmpc  | int  | ControlT | Control-T-specific temporary write errors since last clean.                 |
| CTLaccdt    | date | ControlT | Control-T-specific last access job date.                                    |
| CTLaccjbn   | char | ControlT | Control-T-specific last job name that accessed the volume.                  |
| CTLacctm    | time | ControlT | Control-T-specific last access job time.                                    |
| CTLbnum     | int  | ControlT | Control-T-specific highest label number on volume.                          |
| CTLbtyp     | char | ControlT | Control-T-specific label type<br>AL<br>AUL<br>BLP<br>NL<br>NSL<br>SL<br>SUL |
| CTLeindt    | date | ControlT | Control-T-specific last clean date.   |
| CTLlibrary  | char | ControlT | Control-T-specific robotic tape library name.                               |
| CTLlocation | char | ControlT | Control-T-specific current location of volume.                              |
| CTLocseq    | int  | ControlT | Control-T-specific current vault sequence number.                           |
| CTLrecl     | int  | ControlT | Control-T-specific record length.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field      | Type | Source   | Description   |
|------------|------|----------|---|
| CTManvlt   | bool | ControlT | Control-T-specific volume manually moved to vault.  |
| CTMedia    | char | ControlT | Control-T-specific media name   |
| CTMovedate | date | ControlT | Control-T-specific move date.   |
| CTNextvol  | char | ControlT | Control-T-specific next volume in the multi-volume group.   |
| CTNostack  | bool | ControlT | Control-T-specific volume cannot be a candidate for dynamic stacking.   |
| CTOut      | bool | ControlT | Control-T-specific volume outside the main library.   |
| CTPendscr  | bool | ControlT | Control-T-specific pending scratch status.  |
| CTPendvlt  | bool | ControlT | Control-T-specific pending vault.   |
| CTPrevvol  | char | ControlT | Control-T-specific previous volume in the multi-volume group.   |
| CTPvlt     | bool | ControlT | Control-T-specific potential vault.   |
| CTRecall   | bool | ControlT | Control-T-specific volume will recall back to main library.   |
| CTRecfm    | char | ControlT | Control-T-specific record format.<br>A<br>B<br>D<br>F<br>FB<br>FBA<br>FBM<br>FBS<br>M<br>S<br>U<br>V<br>VB<br>VBA<br>VBM<br>VBS<br>VS |
| CTRecfrom  | char | ControlT | Control-T-specific vault name recalled from.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field      | Type | Source   | Description  |
|------------|------|----------|--|
| CTRecreate | bool | ControlT | Control-T-specific dataset recreated.                  |
| CTReturnvl | bool | ControlT | Control-T-specific volume returned from vault.         |
| CTRetvltdt | date | ControlT | Control-T-specific date to return to vault.            |
| CTScratch  | bool | ControlT | Control-T-specific volume scratch status.              |
| CTScrdt    | date | ControlT | Control-T-specific volume scratch date.                |
| CTSIname   | char | ControlT | Control-T-specific SL name.                            |
| CTSlotnum  | int  | ControlT | Control-T-specific slot number                         |
| CTSmsmc    | char | ControlT | Control-T-specific SMS management class.               |
| CTSmsg     | char | ControlT | Control-T-specific SMS storage group.                  |
| CTVabend   | bool | ControlT | Control-T-specific incomplete data set on volume.      |
| CTVault    | char | ControlT | Control-T-specific first vault name.                   |
| CTVault2   | char | ControlT | Control-T-specific second vault name.                  |
| CTVault3   | char | ControlT | Control-T-specific third vault name.                   |
| CTVaulted  | bool | ControlT | Control-T-specific vaulted.                            |
| CTVendor   | char | ControlT | Control-T-specific volume's vendor name                |
| CTVformat  | char | ControlT | Control-T-specific volume format                       |
| CTVfreekb  | int  | ControlT | Control-T-specific free kilo-bytes on volume.          |
| CTVlrst    | bool | ControlT | Control-T-specific volume processed under MVS restart. |
| CTVlntdt   | date | ControlT | Control-T-specific vault entry date.                   |
| CTVltxpdt  | date | ControlT | Control-T-specific vault expiration date.              |
| CTVoledmid | char | ControlT | Control-T-specific volume's External Data Manager ID.  |
| CTVolexp   | int  | ControlT | Control-T-specific EXCP Count                          |
| CTVolexpt  | date | ControlT | Control-T-specific volume expiration date.             |
| CTVolodesc | char | ControlT | Control-T-specific volume user description.            |
| CTVolowner | char | ControlT | Control-T-specific volume owner                        |

**TABLE 3-1 ACTION Statement WHEN Fields**

| <b>Field</b>                          | <b>Type</b> | <b>Source</b>       | <b>Description</b>  |
|---------------------------------------|-------------|---------------------|---|
| CTVolsseq                             | int         | ControlT            | Control-T-specific volume sequence number in a multi-volume group.  |
| CTVolsr                               | char        | ControlT            | Control-T-specific volume serial number.  |
| CTVolsnum                             | int         | ControlT            | Control-T-specific number volumes data set resides on.  |
| CTVolsrtype                           | char        | ControlT            | Control-T-specific volume type.<br><br>L<br><br>P   |
| CTVolssect                            | int         | ControlT            | Control-T-specific volume use count since last scratch.   |
| CTVolssectc                           | int         | ControlT            | Control-T-specific volume use count.  |
| CTVolsstgrp                           | char        | ControlT            | Control-T-specific stacking group name.   |
| CTVolsusedkb                          | int         | ControlT            | Control-T-specific Used kilo-bytes on volume.   |
| CycleDate<br>CYDATE                   | date        | TMS                 | The date used by LCM for CYCLESOON processing. If missing, LCM does not perform CYCLESOON processing on this volume.  |
| DataSetIdentifier<br>DSID             | char        | TMS                 | The most specific matching data set identifier found for the data set name on the Data Set tab of the Methods folder (Explorer) or a DATASET statement (Parameter File).  |
| DataSetName<br>DSN                    | char        | TMS                 | The controlling data set name of the volume. If the data set is a member of a Generation Data Group, the .GnnnnVnn qualifier is included.   |
| DaysSinceCreation<br>CDAYS            | int         | MVC,<br>TMS,<br>VTV | The number of days since the data set was created. The first available field of the following determines the days since creation: DaysSinceCreationTMS, DaysSinceCreationMVC, DaysSinceCreationVTV.   |
| DaysSinceCreationMVC<br>CMDAYS        | int         | MVC                 | The number of days since the data set was created as recorded by VSM.   |
| DaysSinceCreationTMS<br>CTDAYS        | int         | TMS                 | The number of days since the data set was created as recorded in the associated tape management system.   |
| DaysSinceCreationVTV<br>CVDAYS        | int         | VTV                 | The number of days since the data set was created as recorded by VSM.   |
| DaysSinceEnter<br>EDAYS               | int         | HSC                 | The number of days since the volume was entered into an LSM. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent enter day for any volume is used by LCM for all volumes in the multi-volume data set. |
| DaysSinceLocation<br>LDAYS<br>LOCDAYS | int         | TMS                 | The number of days since the tape was moved to a tape storage location.   |
| DaysSinceMount<br>MDAYS               | int         | HSC                 | The number of days since the HSC last mounted the volume.   |

**TABLE 3-1 ACTION Statement WHEN Fields**

| Field  | Type | Source                      | Description   |
|--|------|-----------------------------|---|
| DaysSinceReference<br>RDAYS                            | int  | HSC,<br>MVC,<br>TMS,<br>VTV | The number of days since reference for the volume as used by LCM. The first available field of the following determines the reference day: DaysSinceReferenceTMS, DaysSinceReferenceVTV, DaysSinceReferenceMVC, DaysSinceMount, DaysSinceSelect. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent reference day for any volume is used by LCM for all volumes in the multi-volume data set. |
| DaysSinceReferenceMVC<br>RMDAYS                        | int  | MVC                         | The number of days since reference as recorded by VSM for an MVC (Multiple Volume Cartridge)  |
| DaysSinceReferenceTMS<br>RTDAYS                        | int  | TMS                         | The number of days since reference as recorded in the associated tape management system for volumes being treated as a unit (Multi-volume support).   |
| DaysSinceReferenceVTV<br>RVDAYS                        | int  | VTV                         | The number of days since reference as recorded by VSM for a VTV (Virtual Tape Volume)   |
| DaysSinceSelect<br>SDAYS                               | int  | HSC                         | The number of days since the volume was selected by the HSC.  |
| DaysTillCycle<br>CYDAYS<br>DAYSTILLEXP<br>IRE<br>XDAYS | int  | TMS                         | The number of days LCM uses for CYCLESOON processing. If missing, LCM will not perform CYCLESOON processing on this volume.   |
| Deleted  | bool | TMS                         | The volume is marked deleted in the tape management system. Note: The value of this field is false for all volumes known to LCM unless: Explorer: The checkbox on the Deleted tab of the TMS object is not checked; Parameter File: the NODELETECHECK parameter is specified on the TMS statement.  |
| Encrypted  | bool | HSC                         | This field is valid only if LCM is running with NCS 6.2 or later.<br>This volume is encrypted.  |
| EnterDate<br>ENDATE                                    | date | HSC                         | The date the volume was entered into an LSM. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent enter date of any volume is used by LCM for all volumes in the multi-volume data set.   |
| EnterTime<br>ENTIME                                    | time | HSC                         | The time of day the volume was entered.   |
| Errant   | bool | HSC                         | The HSC has marked this volume errant. Requires HSC PTF L1H10CC (HSC 4.0) or L1H10CE (HSC 4.1) to produce accurate information.   |
| ExLblReadable<br>EXLBLRD                               | bool | HSC                         | The cartridge external label is OCR readable.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                              | Type             | Source      | Description   |
|------------------------------------|------------------|-------------|---|
| ExpireDate<br>EXPDT<br>XDATE       | date             | TMS         | The date the volume will expire based on the expiration date in the tape management system. Special expire dates are:<br>AGE/nnn - Expires nnn days from create or move date;<br>CATLG - Expires when the data set name no longer exists in the MVS system catalog, regardless of the keep date;<br>CATLG/nnn - Expires nnn days after creation and the data set no longer resides in the MVS catalog; CYCLE/nnn - Oldest data set expires after nnn cycles; FOREIGN - Foreign volume; LDATE/nnn - Expires nnn days after last used;<br>MSG/nnn - TMS user-defined; PERM - Never expires;<br>STATS/nnn - Never expires; USER/nnn - Never expires;<br>ZEROS - CA-TLMS value was zeros; Julian date - Expires on the julian date. |
| ExternalLabel<br>EXLBL             | bool             | HSC         | The cartridge has an external label.  |
| ExternallyManaged<br>EXTERNAL      | bool             | TMS         | The volume is defined to the tape management system, but its use is controlled by some other software system.   |
| GDG                                | bool             | TMS         | The volume is a member of a Generation Data Group.  |
| GDGWrap                            | bool             | TMS         | The volume is a member of a Generation Data Group where the Gnnnn number has wrapped from 9999 to 0001.   |
| Generation<br>GEN                  | int              | TMS         | The relative generation number + 1, based on the tape management system.  |
| HoursSinceCreationVTV<br>CVHOURS   | int              | VTV         | The number of hours since creation as recorded by VSM for a VTV (Virtual Tape Volume).  |
| HoursSinceReferenceVTV<br>RVHOURS  | int              | VTV         | The number of hours since reference as recorded by VSM for a VTV (Virtual Tape Volume).   |
| HSCScratch<br>HSCSCR               | bool             | HSC         | The status recorded by the HSC for the volume is scratch.   |
| InitialACSID<br>IACSID             | char (alternate) | HSC,<br>MVC | The ACS ID in which the volume resided at the beginning of the LCM run.   |
| InitialLSMCell<br>ILSMCELL         | char (alternate) | HSC         | The coordinates of the LSM Cell where the volume resided at the beginning of the LCM run.   |
| InitialLSMColumn<br>ILSMCOL        | int              | HSC         | The LSM Column number where the volume resided at the beginning of the LCM run.   |
| InitialLSMGroup<br>ILSMGRP         | char (alternate) | LCM         | The name of the LSM Group where the volume resided at the beginning of the LCM run.   |
| InitialLSMID<br>ILSMID             | char (alternate) | HSC         | The LSM ID where the volume resided at the beginning of the LCM run.  |
| InitialLSMName<br>ILSMNAME         | char (alternate) | LCM         | The Name of the LSM where the volume resided at the beginning of the LCM run.   |
| InitialLSMPanel<br>ILSMPNL         | int              | HSC         | The LSM Panel number where the volume resided at the beginning of the LCM run.  |
| InitialLSMPanelFrozen<br>ILSMPNLFZ | bool             | HSC         | The volume resided in a frozen panel at the beginning of the LCM run.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                            | Type             | Source      | Description   |
|----------------------------------|------------------|-------------|---|
| InitialLSMRow<br>ILSMROW         | int              | HSC         | The LSM Row number where the volume resided at the beginning of the LCM run.  |
| InLSM                            | bool             | HSC,<br>MVC | The volume is in an LSM at the beginning of an LCM run.   |
| InManagedLSM<br>INMANLSM         | bool             | LCM         | The volume is in a MANAGED LSM at the beginning of an LCM run.  |
| InTMS                            | bool             | TMS         | The volume is in a tape management system defined to LCM.   |
| LastUsedTMSDrive<br>LUTDRIVE     | char (alternate) | TMS         | The unit address of the tape drive on which the tape was last used, printed as a hexadecimal character string.  |
| LocationCode<br>LOCCODE          | char             | TMS         | The identifier assigned to a tape volume by the tape management system to identify the intended storage location for that volume.   |
| LocationDate<br>LDATE<br>LOCDATE | date             | TMS         | The date the volume was moved to the tape management system's tape storage location.  |
| LocationName<br>LOCNAME          | char (alternate) | LCM         | The name of the tape storage location. Location Names are not defined to the tape management system, but are assigned by LCM from tape management system information as specified by: Explorer: the Location object Codes tab; Parameter File: the Location statement Code parameter.                                     |
| Managed                          | bool             | LCM         | The volume is covered by a MANAGE statement.  |
| ManagementClass<br>MGMTCLAS      | char (alternate) | TMS         | The name of the SMS Management Class for the volume.  |
| MaxUseCount                      | int              | HSC         | The maximum usage for a cleaning cartridge set by the VOLATTR Maxclean or MNTD Maxclean value.  |
| MediaSource<br>MEDIAS            | char (alternate) | LCM         | The source of information used to determine the volume's MediaType value.<br><br>DFLT<br>The media type defaulted to Standard.<br>HSCCDS<br>The HSC Control Data Set.<br>VOLDEF<br>The VOLATTR statements contained in the file identified by the HSC VOLDEF parameter.<br>VSMVTV<br>VSM Virtual Tape Volume information. |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                        | Type             | Source              | Description   |
|------------------------------|------------------|---------------------|---|
| MediaType<br>MEDIA<br>MEDIAT | char (alternate) | HSC,<br>MVC,<br>VTV | The media type of the volume.<br><br>DD3A<br>10 Gb capacity helical cartridge.<br>DD3B<br>25 Gb capacity helical cartridge.<br>DD3C<br>50 Gb capacity helical cartridge.<br>DD3D<br>Cleaning cartridge for helical drives.<br>ECART<br>Enhanced Capacity tape (3490).<br>JCART<br>EE-tape media.<br>Long<br>3490E extended capacity cartridge.<br>LTO-100G<br>LTO 100GB capacity cartridge.<br>LTO-10G<br>LTO 10GB capacity cartridge.<br>LTO-200G<br>LTO 200GB capacity cartridge.<br>LTO-35G<br>LTO 35GB capacity cartridge.<br>LTO-400G<br>LTO 400GB capacity cartridge.<br>LTO-400W<br>LTO 400Gb capacity WORM cartridge.<br>LTO-50G<br>LTO 50GB capacity cartridge.<br>LTO-800G<br>LTO 800GB capacity cartridge<br>LTO-800W<br>LTO 800GB capacity WORM cartridge<br>LTO-CLN1<br>LTO cleaning type 1 cartridge.<br>LTO-CLN2<br>LTO cleaning type 2 cartridge.<br>LTO-CLNU<br>LTO universal cleaning cartridge.<br>SDLT<br>Super DLT cartridge.<br>SDLT-2<br>Super DLT model 2 cartridge.<br>Standard<br>Standard length 3480 cartridge.<br>STK1R<br>9840 data cartridge.<br>STK1U<br>Cleaning cartridge for 9840 transports.<br>STK1Y<br>Cleaning cartridge for 9840D transports.<br>STK2P<br>T9940A data cartridge.<br>STK2W<br>Cleaning cartridge for T9940 transports.<br>T10000CT<br>Titanium cleaning cartridge.<br>T10000T1<br>Titanium full capacity cartridge.<br>T10000TS<br>Titanium "sport" cartridge.<br>VIRTUAL<br>Virtual Tape Volume (VTV) in the StorageTek Virtual Storage Manager system.<br>ZCART<br>9490EE ZCART media cartridge. |
| MediaWarrantyLife<br>MWL     | int              | HSC                 | Percentage of media warranty life used, reported by the drive at dismount time when the Media Information Record (MIR) is rewritten on the tape. Maximum value of 254% includes everything above 254%.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                                  | Type             | Source | Description  |
|--|------------------|--------|--|
| MethodName<br>METHOD<br>MTH<br>MTHNAME | char (alternate) | LCM    | The name of the Management Method assigned to this volume.   |
| MountDate<br>MDATE                     | date             | HSC    | The date the volume was last mounted in an LSM.  |
| Mounted                                | bool             | HSC    | The volume is currently mounted.   |
| MountTime<br>MTIME                     | time             | HSC    | The time of day the volume was last mounted in an LSM.   |
| MVC                                    | bool             | MVC    | The volume is a Multiple Volume Cartridge for VSM.   |
| MVICALP                                | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been initialized as an Automatically Linked Partition (ALP) volume.   |
| MVCAudit                               | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is either being audited or the audit failed. If the audit failed, VTCS will not use the MVC for migration. To clear this condition, rerun the AUDIT against this MVC.   |
| MVCAvailable<br>MVCAVAIL               | int              | MVC    | The percentage of the MVC available for use.   |
| MVCBroken                              | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has an error that should be investigated. The error might not make the MVC unusable, but VTCS does not select the MVC for migration for 12 hours after this status has been set to true. After the 12 hour period, the MVC is least preferred for subsequent migrations, and recalls from the MVC can cause VTCS to drain it. This error condition can be accompanied by messages SLS6686, SLS6687, SLS6688, SLS6690 and/or SLS6693. Any of the following conditions can cause this MVC error: MVC corrupted by another job (other than VTCS/VTSS). Attempt to use a read-only MVC for migration. A DDR swap failure. An RTD failure. |
| MVCConsolidateDate                     | date             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The date on which the MVC was consolidated as recorded by VSM.  |
| MVCConsolidateTime                     | time             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>For a consolidation MVC, this field displays the time of the consolidation.   |
| MVCConsolidation                       | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is a consolidation MVC.   |
| MVCDataCheck                           | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>A data check was reported for this MVC. VSM will not use this MVC again for migration.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                    | Type | Source | Description   |
|--------------------------|------|--------|---|
| MVCDrained               | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is being drained because of one of: 1) an automatic drain or demand reclaim. 2) an explicit MVCDrain command, 3) The previous DRAIN request failed, in which case VTCS will not use the MVC for migration. To clear this condition, enter MVCDrain against MVC without the Eject option.                           |
| MVCEject                 | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is in the process of eject either because you issued MVCDrainEject or the MVC was ejected for update by a RACROUTE call. The MVC will not be used again for migration or recall. To clear this condition, use MVCDrain against MVC without the Eject option.   |
| MVCExport                | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is an export MVC.  |
| MVCFragmented<br>MVCFRAG | int  | MVC    | The percentage of the MVC that is not available due to fragmentation.   |
| MVCFull                  | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>There is no space available on the MVC.  |
| MVCInitialized           | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been initialized.  |
| MVCInUse                 | int  | MVC    | The percentage of the MVC used by valid Virtual Tape Volumes.   |
| MVCInvalidMIR            | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has an invalid MIR.  |
| MVCLost                  | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC was not mounted in response to the last mount request. The MVC can still be used for migration, but will not select the MVC for migration for 12 hours after it is marked lost. After the 12 hour period, the MVC will be least preferred. This condition will clear itself the next time that the MVC is mounted. |
| MVCMaximumReached        | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has reached the maximum VTVs per MVC.  |
| MVCMediaSize             | int  | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The size in MB of the MVC. This is determined only after VTCS has used an MVC. "UNKNOWN" appears in this field until VTCS migrates a VTV to the MVC.   |
| MVCMountDate             | date | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The date on which the MVC was mounted, as recorded by VTSS.  |

**TABLE 3-1 ACTION Statement WHEN Fields**

| Field   | Type             | Source      | Description   |
|---|------------------|-------------|---|
| MVCMountTime  | time             | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>The time the MVC was last mounted, as recorded by VTSS.  |
| MVCPoolName   | char (alternate) | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>MVC Pool Name from the VTCS MVCPOOL control statement.   |
| MVCReadOnly   | bool             | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been marked read-only.   |
| MVCRetired  | bool             | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is retired. VTCS will recall from, but not migrate to, the MVC. Replace the MVC as soon as possible.                                   |
| MVCStorageClass<br>MVCSTORCLASS<br>STORAGECLASS<br>STORCLAS | char             | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTCS Storage Class for the volume.   |
| MVCUsableForMigration                                       | bool             | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the MVC can be used for migration.   |
| MVCUsed<br>ed<br>MVCTimesMount                              | int              | MVC         | The number of times the MVC has been mounted.   |
| MVCVirtual<br>VirtualMVC<br>vMVC                            | bool             | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the MVC is virtual (exists as an image in a Virtual Library Extension subsystem).  |
| MVCVLEName<br>VLEName                                       | char             | MVC         | The Virtual Library Extension subsystem in which the MVC resides.   |
| MVCVTSS   | char             | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>VTSS name where the MVC was last used.   |
| MVCVTVCount<br>MVCVTVCNT                                    | int              | MVC         | The number of valid Virtual Tape Volumes on the MVC.  |
| MVCWarrantyExpired  | bool             | MVC         | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC's warranty has expired. VTCS continues to use the MVC. You should start making plans to replace the MVC when it reaches Retired state. |
| NonScratch<br>NONSCR  | bool             | HSC,<br>TMS | The volume is not classified as a scratch volume.   |
| Notuseable<br>NOUSE   | bool             | HSC         | The HSC has marked this volume as not useable.  |
| OnPullList<br>ONPL  | bool             | LCM         | The volume is on a Pull List.   |
| OverMaxClean<br>OverHSCMAXCLN                               | bool             | HSC         | The cleaning cartridge has exceeded its maximum usage count.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                         | Type             | Source | Description   |
|-------------------------------|------------------|--------|---|
| PermanentReadErrors           | int              | TMS    | The number of permanent read errors for the volume.   |
| PermanentWriteErrors          | int              | TMS    | The number of permanent write errors for the volume.  |
| PullListName<br>PLNAME        | char (alternate) | LCM    | The name of the Pull List for the volume.   |
| RecordingTechnique<br>RecTech | char             | HSC    | The recording technique associated with a volume's media<br>This is the method used to record data tracks on the tape surface for the volume.                   |
| ReferenceMVCDate<br>RMDATE    | date             | MVC    | The date on which the MVC was last referenced, as recorded by VSM.  |
| ReferenceTMSDate<br>RTDATE    | date             | TMS    | The date of the last reference, as recorded in the associated tape management system, for volumes being treated as a unit (Multi-volume support).               |
| ReferenceVTVDate<br>RVDATE    | date             | VTV    | The date on which the VTV was last referenced, as recorded by VSM.  |
| ReferenceVTVTime<br>RVTIME    | time             | VTV    | The time of day the volume was last referenced, as recorded by VSM.   |
| RunName                       | char (alternate) | LCM    | The name of the Run object from the JCL EXEC statement Run PARM.  |
| RunType                       | char (alternate) | LCM    | The RunType from the JCL EXEC statement RunType PARM.   |
| RVAbend                       | bool             | RMM    | RMM specific volume was closed by abend.  |
| RVAccinf                      | char             | RMM    | RMM specific volume accounting information.   |
| RVAcclst                      | int              | RMM    | RMM specific volume number of access list entries. Only available in the extract file, not through the API.   |
| RVActera                      | bool             | RMM    | RMM specific volume pending action is erase volume.   |
| RVActini                      | bool             | RMM    | RMM specific volume pending action is initialize volume.  |
| RVAction                      | char             | RMM    | RMM specific pending actions. Characters are 'return to scratch', 'replace volume', 'return to owner', 'initialize', 'erase', 'notify', 'reserved', 'reserved'. |
| RVActnot                      | bool             | RMM    | RMM specific volume pending action is notify.   |
| RVActrep                      | bool             | RMM    | RMM specific volume pending action is replace volume.   |
| RVActret                      | bool             | RMM    | RMM specific volume pending action is return to owner.  |
| RVActscr                      | bool             | RMM    | RMM specific volume pending action is return to scratch.  |
| RVAlcur                       | char             | RMM    | RMM specific Ansi current label version. One of blank, 1, 3, or 4.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field          | Type | Source | Description  |
|----------------|------|--------|--|
| RVAIreq        | char | RMM    | RMM specific Ansi required label version. One of blank, 1, 3, or 4.  |
| RVAIvers       | char | RMM    | RMM specific Ansi label version. First character is current label version, second characr is required label version. Each character is one of blank, 1, 3, or 4. |
| RVAAsdate      | date | RMM    | RMM specific assigned date.  |
| RVAstime       | time | RMM    | RMM specific volume assigned time.   |
| RVAutids       | char | RMM    | RMM specific volume authorised user ids.   |
| RVBlp          | bool | RMM    | RMM specific volume last written with BLP.   |
| RVBmedn        | char | RMM    | RMM specific volume bin media name.  |
| RVCapacity     | int  | RMM    | RMM specific volume capacity in MBytes.  |
| RVComp         | bool | RMM    | RMM specific compaction used -Y/N.   |
| RVContnr       | char | RMM    | RMM specific volume In container name  |
| RVCrdate       | date | RMM    | RMM specific volume create date.   |
| RVCrjob        | char | RMM    | RMM specific volume creating jobname.  |
| RVCrSID        | char | RMM    | RMM specific volume create system id.  |
| RVCrtime       | time | RMM    | RMM specific volume create time.   |
| RVCruid        | char | RMM    | RMM specific volume create userid.   |
| RVDCrsid       | char | RMM    | RMM specific volume first file create system id.   |
| RVDefret       | bool | RMM    | RMM specific volume default retention is used.   |
| RVDen          | char | RMM    | RMM specific volume recording density.   |
| RVDest         | char | RMM    | RMM specific destination location name. One of: shelf, local, remote, distant, or sms-defined library name.  |
| RVDestbin      | char | RMM    | RMM specific destination bin number.   |
| RVDestbinmedia | char | RMM    | RMM specific destination bin media number.   |
| RVDestyp       | char | RMM    | RMM specific destination type. One of: A-auto, M-manual, S-store or blank.   |
| RVDSnam1       | char | RMM    | RMM specific first file data set name.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field       | Type | Source | Description   |
|-------------|------|--------|---|
| RVDSnno     | int  | RMM    | RMM specific number of datasets on volume. This is the new field of length 5.   |
| RVDSnnoOld  | int  | RMM    | RMM specific number of datasets on volume. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVDSnrec    | bool | RMM    | RMM specific volume DS recording.   |
| RVEraser    | bool | RMM    | RMM specific volume must be security erased.  |
| RVExpdt     | date | RMM    | RMM specific volume expiration date.  |
| RVExpdto    | date | RMM    | RMM specific volume original expiration date.   |
| RVFeat      | char | RMM    | RMM specific volume feature code.   |
| RVHloc      | char | RMM    | RMM specific home location name.  |
| RVHomtyp    | char | RMM    | RMM specific home location type. One of: A-auto, M-manual, or blank.  |
| RVInit      | bool | RMM    | RMM specific volume should be reinitialized.  |
| RVImmuse    | bool | RMM    | RMM specific IRMM Use.  |
| RVKeyencod1 | char | RMM    | RMM specific encrypt key encoding method 1.   |
| RVKeyencod2 | char | RMM    | RMM specific encrypt key encoding method 2.   |
| RVKeyLabel1 | char | RMM    | RMM specific volume encryption key label 1  |
| RVKeyLabel2 | char | RMM    | RMM specific volume encryption key label 2.   |
| RVLabel     | char | RMM    | RMM specific label type SL/AL/NL/SUL/AUL.   |
| RVLabno1    | int  | RMM    | RMM specific label number of first file. This is the new field of length 5.   |
| RVLabno1Old | int  | RMM    | RMM specific label number of first file. This is the old field of length 4 in the extract file. This field is not applicable for the API.   |
| RVLcdate    | date | RMM    | RMM specific volume last changed date.  |
| RVLcdate1   | date | RMM    | RMM specific volume last changed date.  |
| RVLcsid     | char | RMM    | RMM specific volume last changed systemid. Only available in the extract file, not through the API.   |
| RVLctime    | time | RMM    | RMM specific volume last changed time. Only available in the extract file, not through the API.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field            | Type | Source | Description  |
|------------------|------|--------|--|
| RVLcuid          | char | RMM    | RMM specific volume last changed userid.                                     |
| RVLoan           | bool | RMM    | RMM specific volume on loan.   |
| RVLoctyp         | char | RMM    | RMM specific location type. One of: A-auto, M-manual, S-store or blank.      |
| RVLonloc         | char | RMM    | RMM specific loan location name.   |
| RVLrddat         | date | RMM    | RMM specific date volume last read.  |
| RVLudev          | char | RMM    | RMM specific last used drive.  |
| RVLwtat          | date | RMM    | RMM specific date volume last written.                                       |
| RVMedatr         | char | RMM    | RMM specific special attributes. One of: none, rdcompat.                     |
| RVMedcmp         | char | RMM    | RMM specific compaction technique. One of: *, none, idrc.                    |
| RVMedinf         | char | RMM    | RMM specific volume media information.                                       |
| RVMedrec         | char | RMM    | RMM specific recording format. One of: *, 18track, 36track.                  |
| RVMedty          | char | RMM    | RMM specific media type. One of: *, cst, ecst.                               |
| RVMvmode         | char | RMM    | RMM specific move mode. One of A-automove, M-manualmove.                     |
| RVMvsuse         | bool | RMM    | RMM specific volume used on MVS.   |
| RVName<br>RVUnit | char | RMM    | RMM specific volume media name.  |
| RVNextyp         | char | RMM    | RMM specific next location type. One of: A-auto, M-manual, S-store or blank. |
| RVNloc           | char | RMM    | RMM specific required location name as determined by VRS or command.         |
| RVNtfy           | bool | RMM    | RMM specific volume should notify owner.                                     |
| RVObin           | char | RMM    | RMM specific old bin number.   |
| RVObmedn         | char | RMM    | RMM specific volume previous bin media name.                                 |
| RVOcer           | bool | RMM    | RMM specific volume is recorded O/C/EOV.                                     |
| RVOlnloc         | char | RMM    | RMM specific old loan location name.   |
| RVOloc           | char | RMM    | RMM specific old location name.  |
| RVOpen           | bool | RMM    | RMM specific volume is opened.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field              | Type | Source | Description  |
|--------------------|------|--------|--|
| RVOwnac            | char | RMM    | RMM specific owner access. One of R/U/A.   |
| RVOwnid            | char | RMM    | RMM specific volume owner userid.  |
| RVPendrs           | bool | RMM    | RMM specific volume pending release.   |
| RVPercent          | int  | RMM    | RMM specific percentage full.  |
| RVPpnum            | char | RMM    | RMM specific program product number.   |
| RVPptape           | bool | RMM    | RMM specific volume is a program product tape.   |
| RVPrerr            | int  | RMM    | RMM specific number of permanent read errors for the volume. This is the new one of length 5.  |
| RVPrerrOld         | int  | RMM    | RMM specific number of permanent read errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API.  |
| RVPwerr            | int  | RMM    | RMM specific number of permanent write errors for the volume. This is the new one of length 5.   |
| RVPwerrOld         | int  | RMM    | RMM specific number of permanent write errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API. |
| RV Rack            | char | RMM    | RMM specific volume rack number.   |
| RV Rbyset          | bool | RMM    | RMM specific volume retained by set.   |
| RV Relixd          | bool | RMM    | RMM specific volume VRS release option ignore expdt.   |
| RV Relsi           | bool | RMM    | RMM specific volume VRS release option scratch immediate.  |
| RV Repl            | bool | RMM    | RMM specific volume should be replaced on release.   |
| RV Rets            | char | RMM    | RMM specific volume return action - owner/scratch.   |
| RV Rqppty          | char | RMM    | RMM specific movement priority. Only available in the extract file, not through the API.   |
| RV Seclev          | char | RMM    | RMM specific security level - short.   |
| RV Seclng          | char | RMM    | RMM specific security level - long.  |
| RV Sgname          | char | RMM    | RMM specific storage group name.   |
| RV Stackedvolcount | int  | RMM    | RMM specific count of volumes stacked on a volume. Maintained if stacked volume fully enabled.   |
| RV StackvolEnabled | bool | RMM    | RMM specific stacked volume record enabled and synchronized.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field      | Type | Source | Description  |
|------------|------|--------|--|
| RVStatus   | char | RMM    | RMM specific volume status. One of MASTER, USER, SCRATCH, INIT, ENTRY.   |
| RVStbin    | char | RMM    | RMM specific store bin number.   |
| RVStdate   | date | RMM    | RMM specific date stored.  |
| RVStorid   | char | RMM    | RMM specific Store location name. One of: shelf, local, remote, distant, or sms-defined library name.  |
| RVTrans    | bool | RMM    | RMM specific volume in transit.  |
| RVTrerr    | int  | RMM    | RMM specific number of temporary read errors for the volume. This is the new field of length five.   |
| RVTrerrOld | int  | RMM    | RMM specific number of temporary read errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API.    |
| RVTuse     | int  | RMM    | RMM specific tape usage in kbytes.   |
| RVTwerr    | int  | RMM    | RMM specific number of temporary write errors for the volume. This is the new one of length 5.   |
| RVTwerrOld | int  | RMM    | RMM specific number of temporary write errors for the volume. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVType     | char | RMM    | RMM specific record type, V for volume, X for extended records.  |
| RVUse      | int  | RMM    | RMM specific use count. This is the new field with length 5.   |
| RVUsefld   | char | RMM    | RMM specific volume user description.  |
| RVUseOld   | int  | RMM    | RMM specific use count. This is the old field with length 4 in the extract file. This field is not applicable for the API.                                     |
| RVUserac   | char | RMM    | RMM specific user access. One of R/U.  |
| RVVendor   | char | RMM    | RMM specific vendor information.   |
| RVVer      | char | RMM    | RMM specific version/release/mod number.   |
| RVVmuse    | bool | RMM    | RMM specific volume used on VM.  |
| RVVol1     | char | RMM    | RMM specific vol1 label volser.  |
| RVVolseq   | int  | RMM    | RMM specific volume sequence number.   |
| RVVolser   | char | RMM    | RMM specific volume serial number  |
| RVVoltype  | char | RMM    | RMM specific volume type. One of: L-logical, P-physical, S-stacked.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                                    | Type             | Source                               | Description  |
|--|------------------|--------------------------------------|--|
| RVVrs                                    | bool             | RMM                                  | RMM specific volume covered by vital record.   |
| RVVrsrel                                 | char             | RMM                                  | RMM specific volume release options.   |
| RVVwmc                                   | int              | RMM                                  | RMM specific write mount count.  |
| RVWorm                                   | bool             | RMM                                  | RMM specific WORM.   |
| RVWwid                                   | char             | RMM                                  | RMM specific unique world wide id.   |
| Scratch<br>SCR                           | bool             | HSC,<br>MVC,<br>Open,<br>TMS,<br>VTV | The volume is classified as a scratch volume by LCM.   |
| Scratched<br>SCRED                       | bool             | LCM                                  | LCM marked the volume as scratch in the HSC or VSM.  |
| SelectCount<br>SCOUNT                    | int              | HSC                                  | The number of times the volume has been selected by the HSC.   |
| SelectDate<br>SDATE                      | date             | HSC                                  | The date the volume was last selected in an LSM.   |
| Selected                                 | bool             | HSC                                  | The volume is currently selected.  |
| SelectTime<br>STIME                      | time             | HSC                                  | The time of day the volume was selected by the HSC.  |
| Serial<br>SER<br>VOL<br>VOLSER<br>VOLUME | char             | HSC,<br>MVC,<br>TMS,<br>VTV          | The 6-character identifier of a tape volume.   |
| Serial1<br>SER1                          | char             | TMS                                  | The 6-character identifier of the first volume of the volume set associated with this volume.  |
| Slot                                     | char             | TMS                                  | The value assigned to a tape volume by the tape management system to pinpoint the storage place for the volume.  |
| Subpool<br>SP                            | char (alternate) | LCM                                  | The name of the Subpool managing a group of volume serial numbers. This is defined in the LCM Subpool object (Explorer) or Subpool statement (Parameter File).                             |
| SubpoolId<br>SPID                        | char (alternate) | HSC                                  | Volume subpool ID from the HSC. This will be the 13-character name of the pool if using HSC SCRPOOL statements, or the 3-digit subpool index number if using SLSUX03.                      |
| SubpoolLabelType<br>SPLBLTYP             | char (alternate) | HSC                                  | Volume subpool label type from the HSC.  |
| TapeGroup<br>TG                          | char (alternate) | LCM                                  | The name of the tape group of a volume. Explorer: This is defined on the Media tab of the Subpool object. Parameter File: This is defined in the Media parameter of the Subpool statement. |
| TemporaryReadErrors                      | int              | TMS                                  | The number of temporary read errors for the volume.  |
| TemporaryWriteErrors                     | int              | TMS                                  | The number of temporary write errors for the volume.   |

**TABLE 3-1 ACTION Statement WHEN Fields**

| Field    | Type | Source | Description   |
|----------|------|--------|---|
| TM#Dsnbs | int  | CA1    | CA-1-specific number of data set name blocks.   |
| TM128trk | bool | CA1    | CA-1-specific recording technique. x'E8' indicates Trk 3590 cartridge tape.                                   |
| TM18trk  | bool | CA1    | CA-1-specific recording technique. x'C0' indicates 3480 cartridge tape - 18 tracks.                           |
| TM3590   | bool | CA1    | CA-1-specific recording density. x'E8' indicates 3590 cartridge tape.   |
| TM36Trk  | bool | CA1    | CA-1-specific recording technique. x'E0' indicates 3490 cartridge tape - 36 tracks.                           |
| TM36trk2 | bool | CA1    | CA-1-specific recording technique. x'E1' indicates 3490E cartridge tape - 36 tracks (extended length).        |
| TM38000  | bool | CA1    | CA-1-specific recording density. x'E3' indicates 38K bpi (cartridge).   |
| TM38KC   | bool | CA1    | CA-1-specific recording density. x'E7' indicates 38K bpi (cartridge-compacted).                               |
| TM9trk   | bool | CA1    | CA-1-specific recording technique. x'80' indicates nine track tape.   |
| TMAbend  | bool | CA1    | CA-1-specific internal flag bit x'10'. Volume closed by abend.  |
| TMActvl1 | char | CA1    | CA-1-specific actual internal volser  |
| TMActvl2 | char | CA1    | CA-1-specific actual internal volser  |
| TMAcvoli | bool | CA1    | CA-1-specific internal flag4 bit x'40'. Actual volser in use.   |
| TMAdsnb  | int  | CA1    | CA-1-specific address (relative to BASE in TMSCTL#2) of first DSNB record associated with this volume record. |
| TMAldsnb | int  | CA1    | CA-1-specific address (relative to BASE in TMSCTL#2) of last DSNB record associated with this volume record.  |
| TMB1Dis  | int  | CA1    | CA-1-specific B1 security disclosure label.   |
| TMB1Int  | int  | CA1    | CA-1-specific B1 security integrity label.  |
| TMBadtap | bool | CA1    | CA-1-specific internal flag3 bit x'80'. CA-9/R+ indicated bad tape, do not mount for scratch.                 |
| TMBlkcnt | int  | CA1    | CA-1-specific data set block count.   |
| TMBlksi  | int  | CA1    | CA-1-specific maximum block size.   |
| TMBthdt  | date | CA1    | CA-1-specific date tape was first used.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field     | Type             | Source | Description  |
|-----------|------------------|--------|--|
| TMCCatlog | bool             | CA1    | CA-1-specific internal flag2 bit x'80'. Data set was on MVS catalog.                 |
| TMCClean  | bool             | CA1    | CA-1-specific internal flag bit x'08'. Volume listed to be cleaned.                  |
| TMCClnent | int              | CA1    | CA-1-specific number of times tape cleaned.  |
| TMCClosed | bool             | CA1    | CA-1-specific internal flag bit x'40'. Volume closed normally.                       |
| TMCCpgm   | char             | CA1    | CA-1-specific creating program name.   |
| TMCCrtdt  | date             | CA1    | CA-1-specific creation date.   |
| TMCCrtti  | time             | CA1    | CA-1-specific creation time.   |
| TMCCruni  | char (alternate) | CA1    | CA-1-specific address of creation unit.  |
| TMDatcln  | date             | CA1    | CA-1-specific date tape was last cleaned.  |
| TMDdname  | char             | CA1    | CA-1-specific creating ddname.   |
| TMDdegau  | bool             | CA1    | CA-1-specific internal flag4 bit x'10'. Tape has been degaussed.                     |
| TMDdelet  | bool             | CA1    | CA-1-specific internal flag bit x'02'. Volume in delete (inactive) status            |
| TMDden    | char (alternate) | CA1    | CA-1-specific recording density.   |
| TMDfault  | bool             | CA1    | CA-1-specific internal flag bit x'01'. Volume eligible for RDS override.             |
| TMDfexu   | bool             | CA1    | CA-1-specific internal flag3 bit x'04'. Default expiration date used at open output. |
| TMDdsn    | char             | CA1    | CA-1-specific data set name.   |
| TMDsn17   | char             | CA1    | CA-1-specific last 17 bytes of dsn.  |
| TMDynam   | bool             | CA1    | CA-1-specific internal flag3 bit x'10'. Controlled by CA-DYNAM/T.                    |
| TMEcatlg  | bool             | CA1    | CA-1-specific internal flag2 bit x'08'. Expired from catalog control (TMSCTLG).      |
| TMEcycle  | bool             | CA1    | CA-1-specific internal flag2 bit x'04'. Expired from cycle control (TMSCYCLE).       |
| TMEdmid   | char             | CA1    | CA-1-specific external data manager id.  |
| TMEdmtp   | bool             | CA1    | CA-1-specific internal flag3 bit x'20'. Controlled by external data manager.         |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field    | Type             | Source | Description  |
|----------|------------------|--------|--|
| TMEldate | bool             | CA1    | CA-1-specific internal flag bit x'02'. Expired from LDATE control (TMSCLEAN).        |
| TMErase  | bool             | CA1    | CA-1-specific internal flag3 bit x'08'. Data set erase required.                     |
| TMEsms   | bool             | CA1    | CA-1-specific internal flag4 bit x'80'. Tape expired by SMS max retention rules.     |
| TMEtms   | bool             | CA1    | CA-1-specific internal flag bit x'01'. Expired by TMS.                               |
| TMExpdt  | date             | CA1    | CA-1-specific expiration date.   |
| TMFilcpy | bool             | CA1    | CA-1-specific internal flag3 bit x'01'. Created by CA-1/Copycat.                     |
| TMFlag1  | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag2  | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag3  | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag4  | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag5  | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag6  | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFrsvol | char             | CA1    | CA-1-specific first volser of data set.  |
| TMIntal  | bool             | CA1    | CA-1-specific internal flag1 bit x'80'. Internal field changed by user.              |
| TMInuse  | bool             | CA1    | CA-1-specific internal flag4 bit x'02'. Tape is in use for RTS (Real Time Stacking). |
| TMIsct   | bool             | CA1    | CA-1-specific internal flag4 bit x'08'. File on OS catalog.                          |
| TMJobnm  | char             | CA1    | CA-1-specific creating job name.   |
| TMLasusd | date             | CA1    | CA-1-specific date last used.  |
| TMLasusj | char             | CA1    | CA-1-specific job name which last used volume.                                       |
| TMLasust | time             | CA1    | CA-1-specific time last used.  |
| TMLpgm   | char             | CA1    | CA-1-specific last used program name.  |
| TMLrecl  | int              | CA1    | CA-1-specific logical record length.   |
| TMLtype  | char             | CA1    | CA-1-specific tape label type. One of SL, SUL, NL, NSL, BLP, AL1, AU1, AL3, AU3.     |

**TABLE 3-1 ACTION Statement WHEN Fields**

| Field    | Type | Source    | Description  |
|----------|------|-----------|--|
| TMNostak | bool | CA1       | CA-1-specific internal flag4 bit x'01'. No further stacking allowed.                                   |
| TMNrns   | bool | CA1       | CA-1-specific internal flag4 bit x'04'. Non-resident tape.   |
| TMNxtVol | char | CA1       | CA-1-specific next volser of data set.   |
| TMOutar  | char | CA1       | CA-1-specific location id of out-of-area tape.   |
| TMOudat  | date | CA1       | CA-1-specific date tape was marked out-of-area.  |
| TMOuput  | bool | CA1       | CA-1-specific internal flag2 bit x'40'. Volume opened for output.                                      |
| TMPrrerc | int  | CA1       | CA-1-specific number of permanent read errors since cleaned.   |
| TMPrreri | int  | CA1       | CA-1-specific number of permanent read errors since initialized.                                       |
| TMPrvvol | char | CA1       | CA-1-specific previous volser of data set.   |
| TMPwerrc | int  | CA1       | CA-1-specific number of permanent write errors since cleaned.  |
| TMPwerri | int  | CA1       | CA-1-specific number of permanent write errors since initialized.                                      |
| TMRecfm  | char | CA1       | CA-1-specific record format. One of V, VA, VS, VB, VBM, VBA, VBS, F, FM, FA, FS, FB, FBM, FBA, FBS, U. |
| TMRedwd1 | bool | CA1       | CA-1-specific recording technique. x'E4' indicates Redwood 12.5G capacity.                             |
| TMRedwd2 | bool | CA1       | CA-1-specific recording technique. x'E5' indicates Redwood 25G capacity.                               |
| TMRedwd3 | bool | CA1       | CA-1-specific recording technique. x'E6' indicates Redwood 50G capacity.                               |
| TMRelevm | bool | CA1       | CA-1-specific internal flag3 bit x'40'. Tape released by external vault manager.                       |
| TMReuse  | bool | CA1       | CA-1-specific internal flag2 bit x'20'. Data set recreated.  |
| TMRobid  | int  | CA1       | CA-1-specific robotic device indicator.  |
| TMRobty  | int  | CA1       | CA-1-specific tape in robotic device.  |
| TMSBad   | bool | Open, TMS | The volume has been marked defective in the tape management system.                                    |
| TMScrch  | bool | CA1       | CA-1-specific internal flag bit x'04'. Volume in scratch status.                                       |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                | Type             | Source    | Description   |
|----------------------|------------------|-----------|---|
| TMSExpired           | bool             | Open, TMS | The volume is marked expired in the tape management system.                   |
| TMSlot               | char             | CA1       | CA-1-specific vault slot number.  |
| TMSmsmc              | char             | CA1       | CA-1-specific SMS management class.   |
| TMSName              | char (alternate) | LCM       | The name of the tape management system defined on the TMS statement.          |
| TMSScratch<br>TMSSCR | bool             | TMS       | The tape management system has the scratch flag set for this volume.          |
| TMStack              | bool             | CA1       | CA-1-specific internal flag5 bit x'80'. Tape has been used by RTS.            |
| TMSpnam              | char             | CA1       | CA-1-specific creating step name.   |
| TMSUse               | int              | Open, TMS | The number of times the volume has been used.                                 |
| TMTempds             | bool             | CA1       | CA-1-specific internal flag2 bit x'10'. Temporary data set.                   |
| TMTrerrc             | int              | CA1       | CA-1-specific number of temporary read errors since cleaned.                  |
| TMTrerri             | int              | CA1       | CA-1-specific number of temporary read errors since initialized.              |
| TMTrtch              | char (alternate) | CA1       | CA-1-specific recording technique.  |
| TMTwerrc             | int              | CA1       | CA-1-specific number of temporary write errors since cleaned.                 |
| TMTwerri             | int              | CA1       | CA-1-specific number of temporary write errors since initialized.             |
| TMUcount             | int              | CA1       | CA-1-specific number of times tape opened since birthdate.                    |
| TMUltif              | bool             | CA1       | CA-1-specific internal flag3 bit x'02'. Additional files exist in volume set. |
| TMUpdate             | bool             | CA1       | CA-1-specific internal flag bit x'20'. Volume record updated by user.         |
| TMUsecln             | int              | CA1       | CA-1-specific use count at last cleaning.                                     |
| TMUser<br>TMAcct     | char             | CA1       | CA-1-specific user job accounting area.                                       |
| TMUsuni              | char (alternate) | CA1       | CA-1-specific address of unit last used.                                      |
| TMVabtch             | int              | CA1       | CA-1-specific id of last CA-1 program to update record.                       |
| TMVacode             | int              | CA1       | CA-1-specific audit code.   |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                  | Type | Source          | Description   |
|------------------------|------|-----------------|---|
| TMVacpu                | char | CA1             | CA-1-specific id of CPU used for last update.                   |
| TMVadate               | date | CA1             | CA-1-specific date of last update.                              |
| TMVaflg1               | int  | CA1             | CA-1-specific audit flag.                                       |
| TMVahook               | int  | CA1             | CA-1-specific id of last intercept to update record.            |
| TMVatime               | time | CA1             | CA-1-specific time of last update.                              |
| TMVauser               | char | CA1             | CA-1-specific id of last user to update record.                 |
| TMVendor               | char | CA1             | CA-1-specific tape vendor name.                                 |
| TMVoleq                | int  | CA1             | CA-1-specific volume sequence number.                           |
| TMVolser               | char | CA1             | CA-1-specific volume serial number.                             |
| TMVsr                  | bool | CA1             | CA-1-specific internal flag4 bit x'20'. Vault specific request. |
| Unscratched<br>UNSCRED | bool | LCM             | LCM marked the volume as not scratch in the HSC or VSM.         |
| UserBool1              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool10             | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool2              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool3              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool4              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool5              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool6              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool7              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool8              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserBool9              | bool | Custom,<br>Open | User-defined Boolean field for a volume.                        |
| UserChar1              | char | Custom,<br>Open | User-defined character field for a volume.                      |
| UserChar10             | char | Custom,<br>Open | User-defined character field for a volume.                      |
| UserChar2              | char | Custom,<br>Open | User-defined character field for a volume.                      |
| UserChar3              | char | Custom,<br>Open | User-defined character field for a volume.                      |
| UserChar4              | char | Custom,<br>Open | User-defined character field for a volume.                      |

**TABLE 3-1** ACTION Statement WHEN Fields

| <b>Field</b> | <b>Type</b> | <b>Source</b> | <b>Description</b>                         |
|--------------|-------------|---------------|--|
| UserChar5    | char        | Custom, Open  | User-defined character field for a volume. |
| UserChar6    | char        | Custom, Open  | User-defined character field for a volume. |
| UserChar7    | char        | Custom, Open  | User-defined character field for a volume. |
| UserChar8    | char        | Custom, Open  | User-defined character field for a volume. |
| UserChar9    | char        | Custom, Open  | User-defined character field for a volume. |
| UserDate1    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate10   | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate2    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate3    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate4    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate5    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate6    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate7    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate8    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserDate9    | date        | Custom, Open  | User-defined date field for a volume.      |
| UserInt1     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt10    | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt2     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt3     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt4     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt5     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt6     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt7     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt8     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserInt9     | int         | Custom, Open  | User-defined integer field for a volume.   |
| UserTime1    | time        | Custom, Open  | User-defined time field for a volume.      |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                          | Type | Source       | Description   |
|--------------------------------|------|--------------|---|
| UserTime10                     | time | Custom, Open | User-defined time field for a volume.   |
| UserTime2                      | time | Custom, Open | User-defined time field for a volume.   |
| UserTime3                      | time | Custom, Open | User-defined time field for a volume.   |
| UserTime4                      | time | Custom, Open | User-defined time field for a volume.   |
| UserTime5                      | time | Custom, Open | User-defined time field for a volume.   |
| UserTime6                      | time | Custom, Open | User-defined time field for a volume.   |
| UserTime7                      | time | Custom, Open | User-defined time field for a volume.   |
| UserTime8                      | time | Custom, Open | User-defined time field for a volume.   |
| UserTime9                      | time | Custom, Open | User-defined time field for a volume.   |
| VaultAssignmentDate            | date | HSC          | The Date the volume was first assigned to the External Vault.   |
| VaultAssignmentTime            | time | HSC          | Time the volume was first assigned to the External Vault.   |
| VaultEjectedDate               | date | HSC          | The date the volume was ejected to the External Vault.  |
| VaultEjectedTime               | time | HSC          | Time the volume was ejected to the External Vault.  |
| VaultName                      | char | HSC          | The name of the vault.  |
| VaultReturnDate                | date | HSC          | The Date the volume can be returned to the External Vault.  |
| VaultSlot                      | char | HSC          | The assigned External Vault Slot value.   |
| VolumeSequenceNumber<br>VOLSEQ | int  | TMS          | The volume sequence number of the volume.   |
| VTV                            | bool | VTV          | The volume is a Virtual Tape Volume (VTV), as reported by VSM.  |
| VTVCompressionPercentage       | int  | VTV          | This field is valid only if LCM is running with NCS 6.2 or later.<br>This is the difference between the uncompressed and compressed VTV size expressed as a percentage of the uncompressed VTV size. For example, if a 100MB VTV compresses to 40MB, then the compression percentage will be given as 60%. A compression of 0% indicates that no compression was possible on the VTV. |
| VTVConsolidated                | bool | VTV          | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether a VTV is currently consolidated.   |
| VTVDuplexed                    | bool | VTV          | The VTV has at least 2 copies.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field  | Type | Source | Description   |
|--|------|--------|---|
| VTVEExportRejected1                              | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV EExport to TapePlex1 was rejected.   |
| VTVEExportRejected2                              | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV EExport to TapePlex2 was rejected.   |
| VTVEExportStatus                                 | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>EExport Status of VTV.<br><br>C<br>Replication has completed.<br>R<br>Replication is required but not started<br>S<br>Replication has started  |
| VTVEExportTapePlex1                              | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The first EExport TapePlex for this VTV.   |
| VTVEExportTapePlex2                              | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The second EExport TapePlex for this VTV.  |
| VTVFenced  | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTV's state is unknown to VTSS.  |
| VTVInitialized                                   | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTV has been initialized by VTSS.  |
| VTVInvalid<br>VTVDEL<br>VTVDELETED<br>VTVINV     | bool | VTV    | The VTV is invalid in VSM.  |
| VTVManagementClass<br>VTVMGMTCLAS<br>VTVMGTCLASS | char | VTV    | The VSM management class for the VTV.   |
| VTVMaximumSize                                   | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The maximum size of the VTV in megabytes.  |
| VTVMigrated<br>VTVMIG                            | bool | VTV    | The VTV is migrated in VSM.   |
| VTVMounted<br>VTVMNTD                            | bool | VTV    | The VTV is mounted according to VSM.  |
| VTVMVCID1  | char | VTV    | The MVC volser on which the VTV resides.  |
| VTVMVCID2  | char | VTV    | The MVC volser on which a duplicate or consolidation copy of the VTV resides. Note: If the VTV is consolidated during an LCM run, the value of this field will be updated after the consolidation is performed. The POSTACTION value will reflect the consolidation MVC for this VTV. |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                               | Type | Source | Description  |
|-------------------------------------|------|--------|--|
| VTVMVCID3                           | char | VTV    | The MVC volser on which a duplicate or consolidation copy of the VTV resides.  |
| VTVMVCID4                           | char | VTV    | The MVC volser on which a duplicate or consolidation copy of the VTV resides.  |
| VTVNewCreate                        | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV was newly created when it was last resident.  |
| VTVOwningTapePlex                   | char | VTV    | The owning TapePlex for this VTV.  |
| VTVPageSize                         | char | VTV    | The VTV Page Size<br><br>Large<br><br>Standard   |
| VTVRecallDate                       | date | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Date VTV was recalled to the VTSS buffer.   |
| VTVRecallTime                       | time | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Time VTV was recalled to the VTSS buffer.   |
| VTVReplicationStatus                | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Status of VTV replication.<br><br>C<br>Replication has completed.<br>R<br>Replication is required but not started<br>S<br>Replication has started |
| VTVReplicaVTSS                      | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The Virtual Tape SubSystem (VTSS) in which the VTV replica resides.   |
| VTVResident                         | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether a VTV is resident in a VTSS.  |
| VTVScratch<br>VTVSCR                | bool | VTV    | The VTV is scratch, as recorded by VSM.  |
| VTVSizeCompressed                   | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The actual compressed size of the VTV in megabytes.   |
| VTVSizeUncompressed<br>VTVMediaSize | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The actual uncompressed size of the VTV in megabytes.   |
| VTVTimesRead                        | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The number of times the VTV has been read.  |

**TABLE 3-1** ACTION Statement WHEN Fields

| Field                           | Type | Source | Description  |
|---------------------------------|------|--------|--|
| VTVUnavailable<br>VTVUNAVAIL    | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTV is unavailable because it is either mounted, resident, or fenced according to VSM.  |
| VTVVTSS                         | char | VTV    | The Virtual Tape SubSystem (VTSS) in which the VTV resides.  |
| WrongScratchStatus<br>WRNGSCRST | bool | LCM    | The scratch status indicator in the HSC CDS is incorrect. For volumes covered by HSCUNSCR (Explorer: "Set HSC-scratch indicators to OFF" on the Scratch tab of the Run object), the WrongScratchStatus flag indicates that the HSC UNSCRATCH request failed. For volumes not covered by HSCUNSCR, the WrongScratchStatus flag indicates that the scratch status recorded in the HSC CDS or in VSM does not agree with the scratch status in the TMS. This may occur for volumes when the Sync or SyncVTV option (Explorer: Sync tab of Run object) is not in effect or when the associated synchronization request fails. The LCM log file contains a message for each request failure. LCM does not set the WrongScratchStatus flag for volumes that are scratch in the TMS but are not scratch in the HSC or in VSM if they are in use at the time LCM attempts the unscratch operation. This is a normal situation that can occur between the time a tape is allocated and the time it is put back in a cell. |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

## SET METHOD Statement WHEN Fields

**TABLE 3-2** SET METHOD Statement WHEN Fields

| Field     | Type             | Source | Description  |
|-----------|------------------|--------|--|
| BAAbdfg   | char             | TLMS   | TLMS-specific abend flag.                            |
| BAActive  | int              | TLMS   | TLMS-specific active file count.                     |
| BAAsebse  | char             | TLMS   | TLMS-specific associated base.                       |
| BAAsevol  | char             | TLMS   | TLMS-specific associated volume.                     |
| BABlkcnt  | int              | TLMS   | TLMS-specific block count.                           |
| BABlksiz  | int              | TLMS   | TLMS-specific block size.                            |
| BABuydat  | date             | TLMS   | TLMS-specific purchase date.                         |
| BACdsexp  | date             | TLMS   | TLMS-specific highest IBM expiration date on volume. |
| BACdsflg  | char             | TLMS   | TLMS-specific controlling data set flag.             |
| BACdskep  | date             | TLMS   | TLMS-specific highest keep date on volume.           |
| BACdsseq  | int              | TLMS   | TLMS-specific controlling data set sequence number.  |
| BACHnvool | char             | TLMS   | TLMS-specific 1st volume in chain.                   |
| BACkptkn  | char             | TLMS   | TLMS-specific check point taken (Y=Yes; B=No).       |
| BAClncnt  | int              | TLMS   | TLMS-specific cleanings since certified.             |
| BAClndat  | date             | TLMS   | TLMS-specific clean date.                            |
| BACpusmf  | char             | TLMS   | TLMS-specific creation CPU SMF ID.                   |
| BACredat  | date             | TLMS   | TLMS-specific create date.                           |
| BACreddn  | char             | TLMS   | TLMS-specific creation ddname.                       |
| BACredev  | char (alternate) | TLMS   | TLMS-specific creation drive.                        |
| BACrejob  | char             | TLMS   | TLMS-specific creation jobname.                      |
| BACrepgm  | char             | TLMS   | TLMS-specific creation program name.                 |
| BACrestp  | char             | TLMS   | TLMS-specific creation stepname.                     |
| BACretim  | time             | TLMS   | TLMS-specific time of day the volume was created.    |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| <b>Field</b> | <b>Type</b>      | <b>Source</b> | <b>Description</b>                              |
|--------------|------------------|---------------|---|
| BACreunt     | char (alternate) | TLMS          | TLMS-specific creation unit.                    |
| BACrctcnt    | int              | TLMS          | TLMS-specific total certifications.             |
| BACrtdat     | date             | TLMS          | TLMS-specific certification date.               |
| BADamcde     | char             | TLMS          | TLMS-specific damaged code.                     |
| BADen        | char             | TLMS          | TLMS-specific density.                          |
| BADescde     | char             | TLMS          | TLMS-specific destroyed code.                   |
| BADesdat     | date             | TLMS          | TLMS-specific destroyed date.                   |
| BADsn        | char             | TLMS          | TLMS-specific data set name.                    |
| BAErgcnt     | int              | TLMS          | TLMS-specific current erase gaps on volume.     |
| BAErgmax     | int              | TLMS          | TLMS-specific max erase gaps on volume.         |
| BAExpdat     | date             | TLMS          | TLMS-specific IBM expiration date for data set. |
| BAFilcnt     | int              | TLMS          | TLMS-specific file count.                       |
| BAFilseq     | int              | TLMS          | TLMS-specific file sequence in chain.           |
| BAFlg001     | int              | TLMS          | TLMS-specific reserved for CA-1 FLG001.         |
| BAFlg003     | int              | TLMS          | TLMS-specific reserved for CA-1 FLG003.         |
| BAFlg004     | int              | TLMS          | TLMS-specific reserved for CA-1 FLG004.         |
| BAFlg005     | int              | TLMS          | TLMS-specific reserved for TLMS FLG005.         |
| BAFlg006     | int              | TLMS          | TLMS-specific reserved for TLMS FLG006.         |
| BAKepdat     | date             | TLMS          | TLMS-specific keep date for data set.           |
| BALabtyp     | char             | TLMS          | TLMS-specific label type.                       |
| BALasdat     | date             | TLMS          | TLMS-specific last used date.                   |
| BALasdev     | char (alternate) | TLMS          | TLMS-specific last used drive.                  |
| BALasjob     | char             | TLMS          | TLMS-specific last used jobname.                |
| BALasunt     | char (alternate) | TLMS          | TLMS-specific last used unit.                   |
| BALoc        | char             | TLMS          | TLMS-specific volume location.                  |
| BALoscde     | char             | TLMS          | TLMS-specific lost code.                        |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| <b>Field</b> | <b>Type</b>      | <b>Source</b> | <b>Description</b>   |
|--------------|------------------|---------------|--|
| BAMds1st     | char (alternate) | TLMS          | TLMS-specific multi-dataset first chain pointer.                           |
| BAMdslst     | char (alternate) | TLMS          | TLMS-specific multi-dataset last chain pointer.                            |
| BAMovdat     | date             | TLMS          | TLMS-specific date volume moved.   |
| BAMvlcnt     | int              | TLMS          | TLMS-specific count of volumes in BAMvltab.                                |
| BAMvlseq1    | int              | TLMS          | TLMS-specific multi-volume sequence number 1.                              |
| BAMvlseq2    | int              | TLMS          | TLMS-specific multi-volume sequence number 2.                              |
| BAMvlseq3    | int              | TLMS          | TLMS-specific multi-volume sequence number 3.                              |
| BAMvlseq4    | int              | TLMS          | TLMS-specific multi-volume sequence number 4.                              |
| BAMvlseq5    | int              | TLMS          | TLMS-specific multi-volume sequence number 5.                              |
| BAMvlvol1    | char             | TLMS          | TLMS-specific multi-volume chain serial number 1.                          |
| BAMvlvol2    | char             | TLMS          | TLMS-specific multi-volume chain serial number 2.                          |
| BAMvlvol3    | char             | TLMS          | TLMS-specific multi-volume chain serial number 3.                          |
| BAMvlvol4    | char             | TLMS          | TLMS-specific multi-volume chain serial number 4.                          |
| BAMvlvol5    | char             | TLMS          | TLMS-specific multi-volume chain serial number 5.                          |
| BAOutsrv     | char             | TLMS          | TLMS-specific out of service code. Contains BALoscd, BADamcd, and BADescd. |
| BARecsiz     | int              | TLMS          | TLMS-specific logical record length.                                       |
| BARederr     | int              | TLMS          | TLMS-specific current temporary read errors.                               |
| BARfm        | char             | TLMS          | TLMS-specific record format.   |
| BARtncnt1    | int              | TLMS          | TLMS-specific retention count for retention entry 1.                       |
| BARtncnt2    | int              | TLMS          | TLMS-specific retention count for retention entry 2.                       |
| BARtncnt3    | int              | TLMS          | TLMS-specific retention count for retention entry 3.                       |
| BARtncnt4    | int              | TLMS          | TLMS-specific retention count for retention entry 4.                       |
| BARtncnt5    | int              | TLMS          | TLMS-specific retention count for retention entry 5.                       |
| BARtncnt6    | int              | TLMS          | TLMS-specific retention count for retention entry 6.                       |
| BARtndev     | char             | TLMS          | TLMS-specific box or cabinet/slot.   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field     | Type | Source | Description   |
|-----------|------|--------|---|
| BARtnLoc1 | char | TLMS   | TLMS-specific user retention location for retention entry 1.  |
| BARtnLoc2 | char | TLMS   | TLMS-specific user retention location for retention entry 2.  |
| BARtnLoc3 | char | TLMS   | TLMS-specific user retention location for retention entry 3.  |
| BARtnLoc4 | char | TLMS   | TLMS-specific user retention location for retention entry 4.  |
| BARtnLoc5 | char | TLMS   | TLMS-specific user retention location for retention entry 5.  |
| BARtnLoc6 | char | TLMS   | TLMS-specific user retention location for retention entry 6.  |
| BARtnptr  | char | TLMS   | TLMS-specific offset of active retention entry.   |
| BARtnsrc  | char | TLMS   | TLMS-specific retention source. ' ' (blank) = No retention data; '1' = From RMF; '2' = From JCL; '3' = From manual update.  |
| BARntyp1  | char | TLMS   | TLMS-specific user retention type for retention entry 1. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp2  | char | TLMS   | TLMS-specific user retention type for retention entry 2. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp3  | char | TLMS   | TLMS-specific user retention type for retention entry 3. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp4  | char | TLMS   | TLMS-specific user retention type for retention entry 4. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp5  | char | TLMS   | TLMS-specific user retention type for retention entry 5. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARntyp6  | char | TLMS   | TLMS-specific user retention type for retention entry 6. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BAScrdat  | date | TLMS   | TLMS-specific date volume scratched.  |
| BAScruid  | char | TLMS   | TLMS-specific scratched by ID. '1' = TRS; '2' = JCL; '3' = Manual; '4' = External data manager.   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| <b>Field</b> | <b>Type</b>      | <b>Source</b> | <b>Description</b>   |
|--------------|------------------|---------------|--|
| BaseName     | char             | TMS           | The controlling data set name of the volume. If the data set is a member of a Generation Data Group, only the base name (no .GnnnnVnn) is included.                                      |
| BASmsmgt     | char             | TLMS          | TLMS-specific SMS management class   |
| BASpcchn     | char             | TLMS          | TLMS-specific special chaining (chained for moves).  |
| BASpnflg     | char             | TLMS          | TLMS-specific spanned data set flag (1=spanned).   |
| BASrvscr     | char             | TLMS          | TLMS-specific service/scratch indicator. '0' = Skipped segment record; '1' = In service/Non scratch; '2' = In service/Scratch; '3' = Out service/Non scratch; '4' = Out Service/Scratch. |
| BATaplen     | int              | TLMS          | TLMS-specific tape length.   |
| BATapmod     | char             | TLMS          | TLMS-specific track recording technique.   |
| BATaptyp     | char             | TLMS          | TLMS-specific tape type.   |
| BATrspro     | char             | TLMS          | TLMS-specific TRS has processed this volume.   |
| BAUnisrt     | int              | TLMS          | TLMS-specific sort unique code.  |
| BAUsebuy     | int              | TLMS          | TLMS-specific uses since purchased.  |
| BAUsecln     | int              | TLMS          | TLMS-specific uses since cleaned.  |
| BAUsecrt     | int              | TLMS          | TLMS-specific uses since certified.  |
| BAUsr001     | char             | TLMS          | TLMS-specific user data. (Defaults to job accounting - TCB).   |
| BAUsr002     | char             | TLMS          | TLMS-specific user data. (Defaults to programmer name - TCB).  |
| BAUsr003     | char             | TLMS          | TLMS-specific user data area.  |
| BAVender     | char             | TLMS          | TLMS-specific user updated manufacturer code.  |
| BAVol1st     | char (alternate) | TLMS          | TLMS-specific multi-volume first volume serial number pointer.   |
| BAVolcnt     | int              | TLMS          | TLMS-specific volume count.  |
| BAVollst     | char (alternate) | TLMS          | TLMS-specific multi-volume last chain pointer.   |
| BAVolown     | char             | TLMS          | TLMS-specific volume owner.  |
| BAVolseq     | int              | TLMS          | TLMS-specific volume sequence number.  |
| BAVolser     | char             | TLMS          | TLMS-specific volume serial number   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field                                     | Type             | Source                      | Description  |
|---|------------------|-----------------------------|--|
| Classification<br>CLS                     | char (alternate) | HSC,<br>MVC,<br>TMS,<br>VTV | Classification of the volume.<br><br>BadScratch<br>Volumes marked defective and scratch in TMS<br>Clean<br>Volumes with the HSC cleaning prefix<br>Expired<br>Volumes marked not scratch and expired in TMS<br>NonScratch<br>Volumes not scratch, badscratch, expired, or clean<br>Scratch<br>Volumes available for receiving new tape data sets |
| Copy                                      | int              | TMS                         | Copy number of the volume. A value of 1 refers to the most recently created copy of the data set according to the tape management system, 2 refers to the next most recently created copy, and so on.  |
| CreatingTMSDrive<br>CTDRIVE               | char (alternate) | TMS                         | The unit address of the tape drive on which the tape data set was created, printed as a hexadecimal character string.  |
| CreationDate<br>CDATE                     | date             | MVC,<br>TMS,<br>VTV         | The date the volume was created. The first available field of the following determines the creation date:<br>CreationTMSDate, CreationVTVDate, CreationMVCDate.  |
| CreationJobName<br>CJOBNAME<br>JOBNAME    | char             | TMS                         | The JCL job name that created the volume.  |
| CreationMVCDate<br>CMDATE                 | date             | MVC                         | The date the volume was created as recorded by VSM.  |
| CreationMVCTime<br>CMTIME                 | time             | MVC                         | The time of day the volume was created as recorded by VSM.   |
| CreationStepName<br>CSTEPNAME<br>STEPNAME | char             | TMS                         | The JCL step name that created the volume.   |
| CreationTime<br>CTIME                     | time             | MVC,<br>TMS,<br>VTV         | The time of day the volume was created. The first available field of the following determines the creation time:<br>CreationTMSTime, CreationVTVTime, CreationMVCTime.   |
| CreationTMSDate<br>CTDATE                 | date             | TMS                         | The date the volume was created as recorded in the associated tape management system.  |
| CreationTMSTime<br>CTIME                  | time             | TMS                         | The time of day the volume was created as recorded in the associated tape management system.   |
| CreationVTVDate<br>CVDATE                 | date             | VTV                         | The date the volume was created as recorded by VSM.  |
| CreationVTVTime<br>CVTIME                 | time             | VTV                         | The time of day the volume was created as recorded by VSM.   |
| CTAccount                                 | char             | ControlT                    | Control-T-specific accounting information  |
| CTActiveds                                | int              | ControlT                    | Control-T-specific number of active labels on volume.  |
| CTBlksize                                 | int              | ControlT                    | Control-T-specific block size.   |
| CTBlockct                                 | int              | ControlT                    | Control-T-specific block count.  |
| CTBoxid                                   | char             | ControlT                    | Control-T-specific box ID.   |

**TABLE 3-2** SET METHOD Statement WHEN Fields

| <b>Field</b> | <b>Type</b>      | <b>Source</b> | <b>Description</b>  |
|--------------|------------------|---------------|---|
| CTChkindt    | date             | ControlT      | Control-T-specific volume check-in date.                                  |
| CTCIncount   | int              | ControlT      | Control-T-specific clean count  |
| CTCrecpu     | char             | ControlT      | Control-T-specific creation CPU name.                                     |
| CTCreddn     | char             | ControlT      | Control-T-specific creation DD name.                                      |
| CTCredt      | date             | ControlT      | Control-T-specific creation date.   |
| CTCrejbn     | char             | ControlT      | Control-T-specific creation job name.                                     |
| CTCrepgm     | char             | ControlT      | Control-T-specific creation program name.                                 |
| CTCrestep    | char             | ControlT      | Control-T-specific creation stepname.                                     |
| CTCretm      | time             | ControlT      | Control-T-specific creation time  |
| CTCreuad     | char (alternate) | ControlT      | Control-T-specific creation unit address.                                 |
| CTDdsexpd1   | date             | ControlT      | Control-T-specific first expiration date.                                 |
| CTDdsexpd2   | date             | ControlT      | Control-T-specific second expiration date.                                |
| CTDdsexpd3   | date             | ControlT      | Control-T-specific third expiration date.                                 |
| CTDeleted    | bool             | ControlT      | Control-T-specific volume marked as deleted.                              |
| CTDsname     | char             | ControlT      | Control-T-specific data set name.   |
| CTDsvolser   | char             | ControlT      | Control-T-specific first data set begins on volume.                       |
| CTDyndef     | bool             | ControlT      | Control-T-specific volume dynamically added.                              |
| CTEdm        | bool             | ControlT      | Control-T-specific volume managed by an External Data Manager.            |
| CTExprrtn    | date             | ControlT      | Control-T-specific expected return date from out location.                |
| CTExtndel    | bool             | ControlT      | Control-T-specific volume will be deleted when expired.                   |
| CTExternal   | bool             | ControlT      | Control-T-specific external volume.                                       |
| CTFirstvol   | char             | ControlT      | Control-T-specific first volume in the multi-volume group.                |
| CTHold       | bool             | ControlT      | Control-T-specific volume is in the main library due to recall operation. |
| CTInatl      | bool             | ControlT      | Control-T-specific volume resides inside a robotic tape library.          |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| <b>Field</b> | <b>Type</b> | <b>Source</b> | <b>Description</b>  |
|--------------|-------------|---------------|---|
| CTInuse      | bool        | ControlT      | Control-T-specific volume currently in use.                                 |
| CTIoerprm    | int         | ControlT      | Control-T-specific permanent read errors.                                   |
| CTIoerprmc   | int         | ControlT      | Control-T-specific permanent read errors since last clean.                  |
| CTIoertmp    | int         | ControlT      | Control-T-specific temporary read errors.                                   |
| CTIoertmpc   | int         | ControlT      | Control-T-specific temporary read errors since last clean                   |
| CTIoewprm    | int         | ControlT      | Control-T-specific permanent write errors.                                  |
| CTIoewprmc   | int         | ControlT      | Control-T-specific permanent write errors since last clean.                 |
| CTIoewtmp    | int         | ControlT      | Control-T-specific temporary write errors.                                  |
| CTIoewtmpc   | int         | ControlT      | Control-T-specific temporary write errors since last clean.                 |
| CTLaccdt     | date        | ControlT      | Control-T-specific last access job date.                                    |
| CTLaccjbn    | char        | ControlT      | Control-T-specific last job name that accessed the volume.                  |
| CTLacctm     | time        | ControlT      | Control-T-specific last access job time.                                    |
| CTLblnum     | int         | ControlT      | Control-T-specific highest label number on volume.                          |
| CTLbltyp     | char        | ControlT      | Control-T-specific label type<br>AL<br>AUL<br>BLP<br>NL<br>NSL<br>SL<br>SUL |
| CTLclndt     | date        | ControlT      | Control-T-specific last clean date.   |
| CTLlibrary   | char        | ControlT      | Control-T-specific robotic tape library name.                               |
| CTLlocation  | char        | ControlT      | Control-T-specific current location of volume.                              |
| CTLocseq     | int         | ControlT      | Control-T-specific current vault sequence number.                           |
| CTLrecl      | int         | ControlT      | Control-T-specific record length.   |
| CTManvlt     | bool        | ControlT      | Control-T-specific volume manually moved to vault.                          |
| CTMedia      | char        | ControlT      | Control-T-specific media name   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| <b>Field</b> | <b>Type</b> | <b>Source</b> | <b>Description</b>  |
|--------------|-------------|---------------|---|
| CTMovedate   | date        | ControlT      | Control-T-specific move date.   |
| CTNextvol    | char        | ControlT      | Control-T-specific next volume in the multi-volume group.   |
| CTNostack    | bool        | ControlT      | Control-T-specific volume cannot be a candidate for dynamic stacking.   |
| CTOut        | bool        | ControlT      | Control-T-specific volume outside the main library.   |
| CTPendscr    | bool        | ControlT      | Control-T-specific pending scratch status.  |
| CTPendvlt    | bool        | ControlT      | Control-T-specific pending vault.   |
| CTPrevvol    | char        | ControlT      | Control-T-specific previous volume in the multi-volume group.   |
| CTPvlt       | bool        | ControlT      | Control-T-specific potential vault.   |
| CTRecall     | bool        | ControlT      | Control-T-specific volume will recall back to main library.   |
| CTRecfm      | char        | ControlT      | Control-T-specific record format.<br>A<br>B<br>D<br>F<br>FB<br>FBA<br>FBM<br>FBS<br>M<br>S<br>U<br>V<br>VB<br>VBA<br>VBM<br>VBS<br>VS |
| CTRecfrom    | char        | ControlT      | Control-T-specific vault name recalled from.  |
| CTRecreate   | bool        | ControlT      | Control-T-specific dataset recreated.   |
| CTReturnvl   | bool        | ControlT      | Control-T-specific volume returned from vault.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| <b>Field</b> | <b>Type</b> | <b>Source</b> | <b>Description</b>   |
|--------------|-------------|---------------|--|
| CTRetvltdt   | date        | ControlT      | Control-T-specific date to return to vault.                        |
| CTScratch    | bool        | ControlT      | Control-T-specific volume scratch status.                          |
| CTScrdt      | date        | ControlT      | Control-T-specific volume scratch date.                            |
| CTSlname     | char        | ControlT      | Control-T-specific SL name.  |
| CTSlotnum    | int         | ControlT      | Control-T-specific slot number                                     |
| CTSmismc     | char        | ControlT      | Control-T-specific SMS management class.                           |
| CTSmssg      | char        | ControlT      | Control-T-specific SMS storage group.                              |
| CTVabend     | bool        | ControlT      | Control-T-specific incomplete data set on volume.                  |
| CTVault      | char        | ControlT      | Control-T-specific first vault name.                               |
| CTVault2     | char        | ControlT      | Control-T-specific second vault name.                              |
| CTVault3     | char        | ControlT      | Control-T-specific third vault name.                               |
| CTVaulted    | bool        | ControlT      | Control-T-specific vaulted.  |
| CTVendor     | char        | ControlT      | Control-T-specific volume's vendor name                            |
| CTVformat    | char        | ControlT      | Control-T-specific volume format                                   |
| CTVfreeskb   | int         | ControlT      | Control-T-specific free kilo-bytes on volume.                      |
| CTVlrstrt    | bool        | ControlT      | Control-T-specific volume processed under MVS restart.             |
| CTVlntentdt  | date        | ControlT      | Control-T-specific vault entry date.                               |
| CTVltxpdt    | date        | ControlT      | Control-T-specific vault expiration date.                          |
| CTVoledmid   | char        | ControlT      | Control-T-specific volume's External Data Manager ID.              |
| CTVolexcp    | int         | ControlT      | Control-T-specific EXCP Count                                      |
| CTVoexpdt    | date        | ControlT      | Control-T-specific volume expiration date.                         |
| CTVolodesc   | char        | ControlT      | Control-T-specific volume user description.                        |
| CTVolowner   | char        | ControlT      | Control-T-specific volume owner                                    |
| CTVoleseq    | int         | ControlT      | Control-T-specific volume sequence number in a multi-volume group. |
| CTVolser     | char        | ControlT      | Control-T-specific volume serial number.                           |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field                                 | Type | Source              | Description   |
|---------------------------------------|------|---------------------|---|
| CTVolsnum                             | int  | ControlT            | Control-T-specific number volumes data set resides on.  |
| CTVoltype                             | char | ControlT            | Control-T-specific volume type.<br><br>L<br><br>P   |
| CTVolusect                            | int  | ControlT            | Control-T-specific volume use count since last scratch.   |
| CTVolusetc                            | int  | ControlT            | Control-T-specific volume use count.  |
| CTVstkgrp                             | char | ControlT            | Control-T-specific stacking group name.   |
| CTVusedkb                             | int  | ControlT            | Control-T-specific Used kilo-bytes on volume.   |
| CycleDate<br>CYDATE                   | date | TMS                 | The date used by LCM for CYCLESOON processing. If missing, LCM does not perform CYCLESOON processing on this volume.  |
| DataSetIdentifier<br>DSID             | char | TMS                 | The most specific matching data set identifier found for the data set name on the Data Set tab of the Methods folder (Explorer) or a DATASET statement (Parameter File).  |
| DataSetName<br>DSN                    | char | TMS                 | The controlling data set name of the volume. If the data set is a member of a Generation Data Group, the .GnnnnVnn qualifier is included.   |
| DaysSinceCreation<br>CDAYS            | int  | MVC,<br>TMS,<br>VTV | The number of days since the data set was created. The first available field of the following determines the days since creation: DaysSinceCreationTMS, DaysSinceCreationMVC, DaysSinceCreationVTV.   |
| DaysSinceCreationMVC<br>CMDAYS        | int  | MVC                 | The number of days since the data set was created as recorded by VSM.   |
| DaysSinceCreationTMS<br>CTDAYS        | int  | TMS                 | The number of days since the data set was created as recorded in the associated tape management system.   |
| DaysSinceCreationVTV<br>CVDAYS        | int  | VTV                 | The number of days since the data set was created as recorded by VSM.   |
| DaysSinceEnter<br>EDAYS               | int  | HSC                 | The number of days since the volume was entered into an LSM. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent enter day for any volume is used by LCM for all volumes in the multi-volume data set. |
| DaysSinceLocation<br>LDAYS<br>LOCDAYS | int  | TMS                 | The number of days since the tape was moved to a tape storage location.   |
| DaysSinceMount<br>MDAYS               | int  | HSC                 | The number of days since the HSC last mounted the volume.   |
| DaysSinceReferenceMVC<br>RMDAYS       | int  | MVC                 | The number of days since reference as recorded by VSM for an MVC (Multiple Volume Cartridge)  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field  | Type | Source | Description   |
|--|------|--------|---|
| DaysSinceReferenceTMS<br>RTDAYS                        | int  | TMS    | The number of days since reference as recorded in the associated tape management system for volumes being treated as a unit (Multi-volume support).   |
| DaysSinceReferenceVTV<br>RVDAYS                        | int  | VTV    | The number of days since reference as recorded by VSM for a VTV (Virtual Tape Volume)   |
| DaysSinceSelect<br>SDAYS                               | int  | HSC    | The number of days since the volume was selected by the HSC.  |
| DaysTillCycle<br>CYDAYS<br>DAYSTILLEXP<br>IRE<br>XDAYS | int  | TMS    | The number of days LCM uses for CYCLESOON processing. If missing, LCM will not perform CYCLESOON processing on this volume.   |
| Deleted  | bool | TMS    | The volume is marked deleted in the tape management system. Note: The value of this field is false for all volumes known to LCM unless: Explorer: The checkbox on the Deleted tab of the TMS object is not checked; Parameter File: the NODELETECHECK parameter is specified on the TMS statement.  |
| Encrypted  | bool | HSC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>This volume is encrypted.  |
| EnterDate<br>ENDATE                                    | date | HSC    | The date the volume was entered into an LSM. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent enter date of any volume is used by LCM for all volumes in the multi-volume data set.   |
| EnterTime<br>ENTIME                                    | time | HSC    | The time of day the volume was entered.   |
| Errant   | bool | HSC    | The HSC has marked this volume errant. Requires HSC PTF L1H10CC (HSC 4.0) or L1H10CE (HSC 4.1) to produce accurate information.   |
| ExLblReadable<br>EXLBLRD                               | bool | HSC    | The cartridge external label is OCR readable.   |
| ExpireDate<br>EXPDT<br>XDATE                           | date | TMS    | The date the volume will expire based on the expiration date in the tape management system. Special expire dates are:<br>AGE/nnn - Expires nnn days from create or move date;<br>CATLG - Expires when the data set name no longer exists in the MVS system catalog, regardless of the keep date;<br>CATLG/nnn - Expires nnn days after creation and the data set no longer resides in the MVS catalog; CYCLE/nnn - Oldest data set expires after nnn cycles; FOREIGN - Foreign volume; LDATE/nnn - Expires nnn days after last used;<br>MSG/nnn - TMS user-defined; PERM - Never expires;<br>STATS/nnn - Never expires; USER/nnn - Never expires;<br>ZEROS - CA-TLMS value was zeros; Julian date - Expires on the julian date. |
| ExternalLabel<br>EXLBL                                 | bool | HSC    | The cartridge has an external label.  |
| ExternallyManaged<br>EXTERNAL                          | bool | TMS    | The volume is defined to the tape management system, but its use is controlled by some other software system.   |
| GDG  | bool | TMS    | The volume is a member of a Generation Data Group.  |

**TABLE 3-2** SET METHOD Statement WHEN Fields

| Field                              | Type             | Source      | Description   |
|------------------------------------|------------------|-------------|---|
| GDGWrap                            | bool             | TMS         | The volume is a member of a Generation Data Group where the Gnnnn number has wrapped from 9999 to 0001.   |
| Generation<br>GEN                  | int              | TMS         | The relative generation number + 1, based on the tape management system.  |
| HoursSinceCreationVTV<br>CVHOURS   | int              | VTV         | The number of hours since creation as recorded by VSM for a VTV (Virtual Tape Volume).  |
| HoursSinceReferenceVTV<br>RVHOURS  | int              | VTV         | The number of hours since reference as recorded by VSM for a VTV (Virtual Tape Volume).   |
| InitialACSID<br>IACSID             | char (alternate) | HSC,<br>MVC | The ACS ID in which the volume resided at the beginning of the LCM run.   |
| InitialLSMCell<br>ILSMCELL         | char (alternate) | HSC         | The coordinates of the LSM Cell where the volume resided at the beginning of the LCM run.   |
| InitialLSMColumn<br>ILSMCOL        | int              | HSC         | The LSM Column number where the volume resided at the beginning of the LCM run.   |
| InitialLSMGroup<br>ILSMGRP         | char (alternate) | LCM         | The name of the LSM Group where the volume resided at the beginning of the LCM run.   |
| InitialLSMID<br>ILSMID             | char (alternate) | HSC         | The LSM ID where the volume resided at the beginning of the LCM run.  |
| InitialLSMName<br>ILSMNAME         | char (alternate) | LCM         | The Name of the LSM where the volume resided at the beginning of the LCM run.   |
| InitialLSMPanel<br>ILSMPNL         | int              | HSC         | The LSM Panel number where the volume resided at the beginning of the LCM run.  |
| InitialLSMPanelFrozen<br>ILSMPNLFZ | bool             | HSC         | The volume resided in a frozen panel at the beginning of the LCM run.   |
| InitialLSMRow<br>ILSMROW           | int              | HSC         | The LSM Row number where the volume resided at the beginning of the LCM run.  |
| InTMS                              | bool             | TMS         | The volume is in a tape management system defined to LCM.   |
| LastUsedTMSDrive<br>LUTDRIVE       | char (alternate) | TMS         | The unit address of the tape drive on which the tape was last used, printed as a hexadecimal character string.  |
| LocationCode<br>LOCCODE            | char             | TMS         | The identifier assigned to a tape volume by the tape management system to identify the intended storage location for that volume.   |
| LocationDate<br>LDATE<br>LOCDATE   | date             | TMS         | The date the volume was moved to the tape management system's tape storage location.  |
| LocationName<br>LOCNAME            | char (alternate) | LCM         | The name of the tape storage location. Location Names are not defined to the tape management system, but are assigned by LCM from tape management system information as specified by: Explorer: the Location object Codes tab; Parameter File: the Location statement Code parameter. |

**TABLE 3-2** SET METHOD Statement WHEN Fields

| Field                       | Type             | Source | Description   |
|-----------------------------|------------------|--------|---|
| ManagementClass<br>MGMTCLAS | char (alternate) | TMS    | The name of the SMS Management Class for the volume.  |
| MaxUseCount                 | int              | HSC    | The maximum usage for a cleaning cartridge set by the VOLATTR Maxclean or MNTD Maxclean value.  |
| MediaSource<br>MEDIAS       | char (alternate) | LCM    | The source of information used to determine the volume's MediaType value.<br><br>DFLT<br>The media type defaulted to Standard.<br>HSCCDS<br>The HSC Control Data Set.<br>VOLDEF<br>The VOLATTR statements contained in the file identified by the HSC VOLDEF parameter.<br>VSMVTV<br>VSM Virtual Tape Volume information. |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field                        | Type             | Source              | Description   |
|------------------------------|------------------|---------------------|---|
| MediaType<br>MEDIA<br>MEDIAT | char (alternate) | HSC,<br>MVC,<br>VTV | The media type of the volume.<br><br>DD3A<br>10 Gb capacity helical cartridge.<br>DD3B<br>25 Gb capacity helical cartridge.<br>DD3C<br>50 Gb capacity helical cartridge.<br>DD3D<br>Cleaning cartridge for helical drives.<br>ECART<br>Enhanced Capacity tape (3490).<br>JCART<br>EE-tape media.<br>Long<br>3490E extended capacity cartridge.<br>LTO-100G<br>LTO 100GB capacity cartridge.<br>LTO-10G<br>LTO 10GB capacity cartridge.<br>LTO-200G<br>LTO 200GB capacity cartridge.<br>LTO-35G<br>LTO 35GB capacity cartridge.<br>LTO-400G<br>LTO 400GB capacity cartridge.<br>LTO-400W<br>LTO 400Gb capacity WORM cartridge.<br>LTO-50G<br>LTO 50GB capacity cartridge.<br>LTO-800G<br>LTO 800GB capacity cartridge<br>LTO-800W<br>LTO 800GB capacity WORM cartridge<br>LTO-CLN1<br>LTO cleaning type 1 cartridge.<br>LTO-CLN2<br>LTO cleaning type 2 cartridge.<br>LTO-CLNU<br>LTO universal cleaning cartridge.<br>SDLT<br>Super DLT cartridge.<br>SDLT-2<br>Super DLT model 2 cartridge.<br>Standard<br>Standard length 3480 cartridge.<br>STK1R<br>9840 data cartridge.<br>STK1U<br>Cleaning cartridge for 9840 transports.<br>STK1Y<br>Cleaning cartridge for 9840D transports.<br>STK2P<br>T9940A data cartridge.<br>STK2W<br>Cleaning cartridge for T9940 transports.<br>T10000CT<br>Titanium cleaning cartridge.<br>T10000T1<br>Titanium full capacity cartridge.<br>T10000TS<br>Titanium "sport" cartridge.<br>VIRTUAL<br>Virtual Tape Volume (VTV) in the StorageTek Virtual Storage Manager system.<br>ZCART<br>9490EE ZCART media cartridge. |
| MediaWarrantyLife<br>MWL     | int              | HSC                 | Percentage of media warranty life used, reported by the drive at dismount time when the Media Information Record (MIR) is rewritten on the tape. Maximum value of 254% includes everything above 254%.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field                                  | Type             | Source | Description  |
|--|------------------|--------|--|
| MethodName<br>METHOD<br>MTH<br>MTHNAME | char (alternate) | LCM    | The name of the Management Method assigned to this volume.   |
| MountDate<br>MDATE                     | date             | HSC    | The date the volume was last mounted in an LSM.  |
| Mounted                                | bool             | HSC    | The volume is currently mounted.   |
| MountTime<br>MTIME                     | time             | HSC    | The time of day the volume was last mounted in an LSM.   |
| MVC                                    | bool             | MVC    | The volume is a Multiple Volume Cartridge for VSM.   |
| MVCALP                                 | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been initialized as an Automatically Linked Partition (ALP) volume.   |
| MVCAudit                               | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is either being audited or the audit failed. If the audit failed, VTCS will not use the MVC for migration. To clear this condition, rerun the AUDIT against this MVC.   |
| MVCAvailable<br>MCAVAIL                | int              | MVC    | The percentage of the MVC available for use.   |
| MVCBroken                              | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has an error that should be investigated. The error might not make the MVC unusable, but VTCS does not select the MVC for migration for 12 hours after this status has been set to true. After the 12 hour period, the MVC is least preferred for subsequent migrations, and recalls from the MVC can cause VTCS to drain it. This error condition can be accompanied by messages SLS6686, SLS6687, SLS6688, SLS6690 and/or SLS6693. Any of the following conditions can cause this MVC error: MVC corrupted by another job (other than VTCS/VTSS). Attempt to use a read-only MVC for migration. A DDR swap failure. An RTD failure. |
| MVCConsolidateDate                     | date             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The date on which the MVC was consolidated as recorded by VSM.  |
| MVCConsolidateTime                     | time             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>For a consolidation MVC, this field displays the time of the consolidation.   |
| MVCConsolidation                       | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is a consolidation MVC.   |
| MVCDataCheck                           | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>A data check was reported for this MVC. VSM will not use this MVC again for migration.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field                    | Type | Source | Description   |
|--------------------------|------|--------|---|
| MVCDrained               | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is being drained because of one of: 1) an automatic drain or demand reclaim. 2) an explicit MVCDRAIN command, 3) The previous DRAIN request failed, in which case VTCS will not use the MVC for migration. To clear this condition, enter MVCDRAIN against MVC without the EJECT option.                           |
| MVCEject                 | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is in the process of eject either because you issued MVCDRAIN EJECT or the MVC was ejected for update by a RACROUTE call. The MVC will not be used again for migration or recall. To clear this condition, use MVCDRAIN against MVC without the EJECT option.  |
| MVCExport                | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is an export MVC.  |
| MVCFragmented<br>MVCFRAG | int  | MVC    | The percentage of the MVC that is not available due to fragmentation.   |
| MVCFull                  | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>There is no space available on the MVC.  |
| MVCInitialized           | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been initialized.  |
| MVCInUse                 | int  | MVC    | The percentage of the MVC used by valid Virtual Tape Volumes.   |
| MVCInvalidMIR            | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has an invalid MIR.  |
| MVCLost                  | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC was not mounted in response to the last mount request. The MVC can still be used for migration, but will not select the MVC for migration for 12 hours after it is marked lost. After the 12 hour period, the MVC will be least preferred. This condition will clear itself the next time that the MVC is mounted. |
| MVCMaximumReached        | bool | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has reached the maximum VTVs per MVC.  |
| MVCMediaSize             | int  | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The size in MB of the MVC. This is determined only after VTCS has used an MVC. "UNKNOWN" appears in this field until VTCS migrates a VTV to the MVC.   |
| MVCMountDate             | date | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The date on which the MVC was mounted, as recorded by VTSS.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field   | Type             | Source | Description   |
|---|------------------|--------|---|
| MVCMountTime  | time             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The time the MVC was last mounted, as recorded by VTSS.  |
| MVCPoolName   | char (alternate) | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>MVC Pool Name from the VTCS MVCPOOL control statement.   |
| MVCReadOnly   | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been marked read-only.   |
| MVCRetired  | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is retired. VTCS will recall from, but not migrate to, the MVC. Replace the MVC as soon as possible.                                   |
| MVCStorageClass<br>MVCSTORCLASS<br>STORAGECLASS<br>STORCLAS | char             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTCS Storage Class for the volume.   |
| MVCUsableForMigration                                       | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the MVC can be used for migration.   |
| MVCUsed<br>MVCTimesMount                                    | int              | MVC    | The number of times the MVC has been mounted.   |
| MVCVirtual<br>VirtualMVC<br>vMVC                            | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the MVC is virtual (exists as an image in a Virtual Library Extension subsystem).  |
| MVCVLEName<br>VLEName                                       | char             | MVC    | The Virtual Library Extension subsystem in which the MVC resides.   |
| MVCVTSS   | char             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>VTSS name where the MVC was last used.   |
| MVCVTVCount<br>MVCVTVCNT                                    | int              | MVC    | The number of valid Virtual Tape Volumes on the MVC.  |
| MVCWarrantyExpired  | bool             | MVC    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC's warranty has expired. VTCS continues to use the MVC. You should start making plans to replace the MVC when it reaches Retired state. |
| Notuseable<br>NOUSE   | bool             | HSC    | The HSC has marked this volume as not useable.  |
| OnPullList<br>ONPL  | bool             | LCM    | The volume is on a Pull List.   |
| OverMaxClean<br>OverHSCMAXCLN                               | bool             | HSC    | The cleaning cartridge has exceeded its maximum usage count.  |
| PermanentReadErrors   | int              | TMS    | The number of permanent read errors for the volume.   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field                         | Type             | Source | Description   |
|-------------------------------|------------------|--------|---|
| PermanentWriteErrors          | int              | TMS    | The number of permanent write errors for the volume.  |
| PullListName<br>PLNAME        | char (alternate) | LCM    | The name of the Pull List for the volume.   |
| RecordingTechnique<br>RecTech | char             | HSC    | The recording technique associated with a volume's media<br>This is the method used to record data tracks on the tape surface for the volume.                   |
| ReferenceMVCDate<br>RMDATE    | date             | MVC    | The date on which the MVC was last referenced, as recorded by VSM.  |
| ReferenceTMSDate<br>RTDATE    | date             | TMS    | The date of the last reference, as recorded in the associated tape management system, for volumes being treated as a unit (Multi-volume support).               |
| ReferenceVTVTime<br>RVTIME    | time             | VTV    | The time of day the volume was last referenced, as recorded by VSM.   |
| RunName                       | char (alternate) | LCM    | The name of the Run object from the JCL EXEC statement Run PARM.  |
| RunType                       | char (alternate) | LCM    | The RunType from the JCL EXEC statement RunType PARM.   |
| RVAbend                       | bool             | RMM    | RMM specific volume was closed by abend.  |
| RVAccinf                      | char             | RMM    | RMM specific volume accounting information.   |
| RVAcclst                      | int              | RMM    | RMM specific volume number of access list entries. Only available in the extract file, not through the API.   |
| RVActera                      | bool             | RMM    | RMM specific volume pending action is erase volume.   |
| RVActini                      | bool             | RMM    | RMM specific volume pending action is initialize volume.  |
| RVAction                      | char             | RMM    | RMM specific pending actions. Characters are 'return to scratch', 'replace volume', 'return to owner', 'initialize', 'erase', 'notify', 'reserved', 'reserved'. |
| RVActnot                      | bool             | RMM    | RMM specific volume pending action is notify.   |
| RVActrep                      | bool             | RMM    | RMM specific volume pending action is replace volume.   |
| RVActret                      | bool             | RMM    | RMM specific volume pending action is return to owner.  |
| RVActscr                      | bool             | RMM    | RMM specific volume pending action is return to scratch.  |
| RVAlcur                       | char             | RMM    | RMM specific Ansi current label version. One of blank, 1, 3, or 4.  |
| RVAlreq                       | char             | RMM    | RMM specific Ansi required label version. One of blank, 1, 3, or 4.   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field          | Type | Source | Description  |
|----------------|------|--------|--|
| RVAIvers       | char | RMM    | RMM specific Ansi label version. First character is current label version, second characr is required label version. Each character is one of blank, 1, 3, or 4. |
| RVA\$date      | date | RMM    | RMM specific assigned date.  |
| RVA\$time      | time | RMM    | RMM specific volume assigned time.   |
| RVAutids       | char | RMM    | RMM specific volume authorised user ids.   |
| RVB1p          | bool | RMM    | RMM specific volume last written with BLP.   |
| RVBmedn        | char | RMM    | RMM specific volume bin media name.  |
| RVCapacity     | int  | RMM    | RMM specific volume capacity in MBytes.  |
| RVComp         | bool | RMM    | RMM specific compaction used -Y/N.   |
| RVContnr       | char | RMM    | RMM specific volume In container name  |
| RVCrdate       | date | RMM    | RMM specific volume create date.   |
| RVCrjob        | char | RMM    | RMM specific volume creating jobname.  |
| RVCrsid        | char | RMM    | RMM specific volume create system id.  |
| RVCrtime       | time | RMM    | RMM specific volume create time.   |
| RVCruid        | char | RMM    | RMM specific volume create userid.   |
| RVDersid       | char | RMM    | RMM specific volume first file create system id.   |
| RVDDefret      | bool | RMM    | RMM specific volume default retention is used.   |
| RVDen          | char | RMM    | RMM specific volume recording density.   |
| RVDest         | char | RMM    | RMM specific destination location name. One of: shelf, local, remote, distant, or sms-defined library name.  |
| RVDestbin      | char | RMM    | RMM specific destination bin number.   |
| RVDestbinmedia | char | RMM    | RMM specific destination bin media number.   |
| RVDestyp       | char | RMM    | RMM specific destination type. One of: A-auto, M-manual, S-store or blank.   |
| RVD\$nam1      | char | RMM    | RMM specific first file data set name.   |
| RVD\$snno      | int  | RMM    | RMM specific number of datasets on volume. This is the new field of length 5.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field       | Type | Source | Description   |
|-------------|------|--------|---|
| RVDSnnoOld  | int  | RMM    | RMM specific number of datasets on volume. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVDSnrec    | bool | RMM    | RMM specific volume DS recording.   |
| RVEraser    | bool | RMM    | RMM specific volume must be security erased.  |
| RVExpdt     | date | RMM    | RMM specific volume expiration date.  |
| RVExpdto    | date | RMM    | RMM specific volume original expiration date.   |
| RVFeat      | char | RMM    | RMM specific volume feature code.   |
| RVHloc      | char | RMM    | RMM specific home location name.  |
| RVHomytp    | char | RMM    | RMM specific home location type. One of: A-auto, M-manual, or blank.  |
| RVInit      | bool | RMM    | RMM specific volume should be reinitialized.  |
| RVImmuse    | bool | RMM    | RMM specific IRMM Use.  |
| RVKeyencod1 | char | RMM    | RMM specific encrypt key encoding method 1.   |
| RVKeyencod2 | char | RMM    | RMM specific encrypt key encoding method 2.   |
| RVKeyLabel1 | char | RMM    | RMM specific volume encryption key label 1  |
| RVKeyLabel2 | char | RMM    | RMM specific volume encryption key label 2.   |
| RVLabel     | char | RMM    | RMM specific label type SL/AL/NL/SUL/AUL.   |
| RVLabno1    | int  | RMM    | RMM specific label number of first file. This is the new field of length 5.   |
| RVLabno1Old | int  | RMM    | RMM specific label number of first file. This is the old field of length 4 in the extract file. This field is not applicable for the API.   |
| RVLcdate    | date | RMM    | RMM specific volume last changed date.  |
| RVLcdate1   | date | RMM    | RMM specific volume last changed date.  |
| RVLcsid     | char | RMM    | RMM specific volume last changed systemid. Only available in the extract file, not through the API.   |
| RVLctime    | time | RMM    | RMM specific volume last changed time. Only available in the extract file, not through the API.   |
| RVLcuid     | char | RMM    | RMM specific volume last changed userid.  |
| RVLoan      | bool | RMM    | RMM specific volume on loan.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| <b>Field</b>     | <b>Type</b> | <b>Source</b> | <b>Description</b>   |
|------------------|-------------|---------------|--|
| RVLactyp         | char        | RMM           | RMM specific location type. One of: A-auto, M-manual, S-store or blank.      |
| RVLonloc         | char        | RMM           | RMM specific loan location name.   |
| RVLrddat         | date        | RMM           | RMM specific date volume last read.  |
| RVLudev          | char        | RMM           | RMM specific last used drive.  |
| RVLwtdat         | date        | RMM           | RMM specific date volume last written.                                       |
| RVMedatr         | char        | RMM           | RMM specific special attributes. One of: none, rdcompat.                     |
| RVMedemp         | char        | RMM           | RMM specific compaction technique. One of: *, none, idrc.                    |
| RVMedinf         | char        | RMM           | RMM specific volume media information.                                       |
| RVMedrec         | char        | RMM           | RMM specific recording format. One of: *, 18track, 36track.                  |
| RVMedty          | char        | RMM           | RMM specific media type. One of: *, cst, eccst.                              |
| RVMvmode         | char        | RMM           | RMM specific move mode. One of A-automove, M-manualmove.                     |
| RVMvsuse         | bool        | RMM           | RMM specific volume used on MVS.   |
| RVName<br>RVUnit | char        | RMM           | RMM specific volume media name.  |
| RVNextyp         | char        | RMM           | RMM specific next location type. One of: A-auto, M-manual, S-store or blank. |
| RVNloc           | char        | RMM           | RMM specific required location name as determined by VRS or command.         |
| RVNtfy           | bool        | RMM           | RMM specific volume should notify owner.                                     |
| RVObin           | char        | RMM           | RMM specific old bin number.   |
| RVObmedn         | char        | RMM           | RMM specific volume previous bin media name.                                 |
| RVOcer           | bool        | RMM           | RMM specific volume is recorded O/C/EOV.                                     |
| RVOInloc         | char        | RMM           | RMM specific old loan location name.   |
| RVOloc           | char        | RMM           | RMM specific old location name.  |
| RVOpen           | bool        | RMM           | RMM specific volume is opened.   |
| RVOwnac          | char        | RMM           | RMM specific owner access. One of R/U/A.                                     |
| RVOwnid          | char        | RMM           | RMM specific volume owner userid.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| <b>Field</b>       | <b>Type</b> | <b>Source</b> | <b>Description</b>   |
|--------------------|-------------|---------------|--|
| RVPendrs           | bool        | RMM           | RMM specific volume pending release.   |
| RVPercent          | int         | RMM           | RMM specific percentage full.  |
| RVPpnum            | char        | RMM           | RMM specific program product number.   |
| RVPptape           | bool        | RMM           | RMM specific volume is a program product tape.   |
| RVPrerr            | int         | RMM           | RMM specific number of permanent read errors for the volume. This is the new one of length 5.  |
| RVPrerrOld         | int         | RMM           | RMM specific number of permanent read errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API.  |
| RVPwerr            | int         | RMM           | RMM specific number of permanent write errors for the volume. This is the new one of length 5.   |
| RVPwerrOld         | int         | RMM           | RMM specific number of permanent write errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API. |
| RV Rack            | char        | RMM           | RMM specific volume rack number.   |
| RV Rbyset          | bool        | RMM           | RMM specific volume retained by set.   |
| RV Relixd          | bool        | RMM           | RMM specific volume VRS release option ignore expdt.   |
| RV Relsi           | bool        | RMM           | RMM specific volume VRS release option scratch immediate.  |
| RV Repl            | bool        | RMM           | RMM specific volume should be replaced on release.   |
| RV Rets            | char        | RMM           | RMM specific volume return action - owner/scratch.   |
| RV Rqprty          | char        | RMM           | RMM specific movement priority. Only available in the extract file, not through the API.   |
| RV Seclev          | char        | RMM           | RMM specific security level - short.   |
| RV Seclng          | char        | RMM           | RMM specific security level - long.  |
| RV Sgname          | char        | RMM           | RMM specific storage group name.   |
| RV Stackedvolcount | int         | RMM           | RMM specific count of volumes stacked on a volume. Maintained if stacked volume fully enabled.   |
| RV StackvolEnabled | bool        | RMM           | RMM specific stacked volume record enabled and synchronized.   |
| RV Status          | char        | RMM           | RMM specific volume status. One of MASTER, USER, SCRATCH, INIT, ENTRY.   |
| RV Stbin           | char        | RMM           | RMM specific store bin number.   |

**TABLE 3-2** SET METHOD Statement WHEN Fields

| Field      | Type | Source | Description  |
|------------|------|--------|--|
| RVStdate   | date | RMM    | RMM specific date stored.  |
| RVStorid   | char | RMM    | RMM specific Store location name. One of: shelf, local, remote, distant, or sms-defined library name.  |
| RVTrans    | bool | RMM    | RMM specific volume in transit.  |
| RVTrerr    | int  | RMM    | RMM specific number of temporary read errors for the volume. This is the new field of length five.   |
| RVTrerrOld | int  | RMM    | RMM specific number of temporary read errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API.    |
| RVTuse     | int  | RMM    | RMM specific tape usage in kbytes.   |
| RVTwerr    | int  | RMM    | RMM specific number of temporary write errors for the volume. This is the new one of length 5.   |
| RVTwerrOld | int  | RMM    | RMM specific number of temporary write errors for the volume. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVType     | char | RMM    | RMM specific record type, V for volume, X for extended records.  |
| RVUse      | int  | RMM    | RMM specific use count. This is the new field with length 5.   |
| RVUsefld   | char | RMM    | RMM specific volume user description.  |
| RVUseOld   | int  | RMM    | RMM specific use count. This is the old field with length 4 in the extract file. This field is not applicable for the API.                                     |
| RVUserac   | char | RMM    | RMM specific user access. One of R/U.  |
| RVVendor   | char | RMM    | RMM specific vendor information.   |
| RVVer      | char | RMM    | RMM specific version/release/mod number.   |
| RVVmuse    | bool | RMM    | RMM specific volume used on VM.  |
| RVVol1     | char | RMM    | RMM specific vol1 label volser.  |
| RVVolseq   | int  | RMM    | RMM specific volume sequence number.   |
| RVVolser   | char | RMM    | RMM specific volume serial number  |
| RVVoltype  | char | RMM    | RMM specific volume type. One of: L-logical, P-physical, S-stacked.  |
| RVVrs      | bool | RMM    | RMM specific volume covered by vital record.   |
| RVVrsrel   | char | RMM    | RMM specific volume release options.   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field                                    | Type             | Source                      | Description  |
|--|------------------|-----------------------------|--|
| RVVwmc                                   | int              | RMM                         | RMM specific write mount count.  |
| RVWorm                                   | bool             | RMM                         | RMM specific WORM.   |
| RVWwid                                   | char             | RMM                         | RMM specific unique world wide id.   |
| SelectDate<br>SDATE                      | date             | HSC                         | The date the volume was last selected in an LSM.   |
| Selected                                 | bool             | HSC                         | The volume is currently selected.  |
| SelectTime<br>STIME                      | time             | HSC                         | The time of day the volume was selected by the HSC.  |
| Serial<br>SER<br>VOL<br>VOLSER<br>VOLUME | char             | HSC,<br>MVC,<br>TMS,<br>VTV | The 6-character identifier of a tape volume.   |
| Serial1<br>SER1                          | char             | TMS                         | The 6-character identifier of the first volume of the volume set associated with this volume.  |
| Subpool<br>SP                            | char (alternate) | LCM                         | The name of the Subpool managing a group of volume serial numbers. This is defined in the LCM Subpool object (Explorer) or Subpool statement (Parameter File).                             |
| SubpoolId<br>SPID                        | char (alternate) | HSC                         | Volume subpool ID from the HSC. This will be the 13-character name of the pool if using HSC SCRPOOL statements, or the 3-digit subpool index number if using SLSUX03.                      |
| SubpoolLabelType<br>SPLBLTYP             | char (alternate) | HSC                         | Volume subpool label type from the HSC.  |
| TapeGroup<br>TG                          | char (alternate) | LCM                         | The name of the tape group of a volume. Explorer: This is defined on the Media tab of the Subpool object. Parameter File: This is defined in the Media parameter of the Subpool statement. |
| TemporaryReadErrors                      | int              | TMS                         | The number of temporary read errors for the volume.  |
| TemporaryWriteErrors                     | int              | TMS                         | The number of temporary write errors for the volume.   |
| TM#Dsnbs                                 | int              | CA1                         | CA-1-specific number of data set name blocks.  |
| TM128trk                                 | bool             | CA1                         | CA-1-specific recording technique. x'E8' indicates Trk 3590 cartridge tape.  |
| TM18trk                                  | bool             | CA1                         | CA-1-specific recording technique. x'C0' indicates 3480 cartridge tape - 18 tracks.  |
| TM3590                                   | bool             | CA1                         | CA-1-specific recording density. x'E8' indicates 3590 cartridge tape.  |
| TM36Trk                                  | bool             | CA1                         | CA-1-specific recording technique. x'E0' indicates 3490 cartridge tape - 36 tracks.  |
| TM36trk2                                 | bool             | CA1                         | CA-1-specific recording technique. x'E1' indicates 3490E cartridge tape - 36 tracks (extended length).   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field    | Type             | Source | Description   |
|----------|------------------|--------|---|
| TM38000  | bool             | CA1    | CA-1-specific recording density. x'E3' indicates 38K bpi (cartridge).   |
| TM38KC   | bool             | CA1    | CA-1-specific recording density. x'E7' indicates 38K bpi (cartridge-compacted).                               |
| TM9trk   | bool             | CA1    | CA-1-specific recording technique. x'80' indicates nine track tape.   |
| TMAabend | bool             | CA1    | CA-1-specific internal flag bit x'10'. Volume closed by abend.  |
| TMActvl1 | char             | CA1    | CA-1-specific actual internal volser  |
| TMActvl2 | char             | CA1    | CA-1-specific actual internal volser  |
| TMAcvoli | bool             | CA1    | CA-1-specific internal flag4 bit x'40'. Actual volser in use.   |
| TMAdsnb  | int              | CA1    | CA-1-specific address (relative to BASE in TMSCTL#2) of first DSNB record associated with this volume record. |
| TMAldsnb | int              | CA1    | CA-1-specific address (relative to BASE in TMSCTL#2) of last DSNB record associated with this volume record.  |
| TMB1Dis  | int              | CA1    | CA-1-specific B1 security disclosure label.   |
| TMB1Int  | int              | CA1    | CA-1-specific B1 security integrity label.  |
| TMBadtap | bool             | CA1    | CA-1-specific internal flag3 bit x'80'. CA-9/R+ indicated bad tape, do not mount for scratch.                 |
| TMBlkcnt | int              | CA1    | CA-1-specific data set block count.   |
| TMBlksi  | int              | CA1    | CA-1-specific maximum block size.   |
| TMBthdt  | date             | CA1    | CA-1-specific date tape was first used.   |
| TMCatlog | bool             | CA1    | CA-1-specific internal flag2 bit x'80'. Data set was on MVS catalog.  |
| TMClean  | bool             | CA1    | CA-1-specific internal flag bit x'08'. Volume listed to be cleaned.   |
| TMClncnt | int              | CA1    | CA-1-specific number of times tape cleaned.   |
| TMClosed | bool             | CA1    | CA-1-specific internal flag bit x'40'. Volume closed normally.  |
| TMCpgm   | char             | CA1    | CA-1-specific creating program name.  |
| TMCrtdt  | date             | CA1    | CA-1-specific creation date.  |
| TMCrtti  | time             | CA1    | CA-1-specific creation time.  |
| TMCruni  | char (alternate) | CA1    | CA-1-specific address of creation unit.   |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field    | Type             | Source | Description  |
|----------|------------------|--------|--|
| TMDatcln | date             | CA1    | CA-1-specific date tape was last cleaned.  |
| TMDdname | char             | CA1    | CA-1-specific creating ddname.   |
| TMDegau  | bool             | CA1    | CA-1-specific internal flag4 bit x'10'. Tape has been degaussed.                     |
| TMDelet  | bool             | CA1    | CA-1-specific internal flag bit x'02'. Volume in delete (inactive) status            |
| TMDen    | char (alternate) | CA1    | CA-1-specific recording density.   |
| TMDfault | bool             | CA1    | CA-1-specific internal flag bit x'01'. Volume eligible for RDS override.             |
| TMDfexu  | bool             | CA1    | CA-1-specific internal flag3 bit x'04'. Default expiration date used at open output. |
| TMDsn    | char             | CA1    | CA-1-specific data set name.   |
| TMDsn17  | char             | CA1    | CA-1-specific last 17 bytes of dsn.  |
| TMDynam  | bool             | CA1    | CA-1-specific internal flag3 bit x'10'. Controlled by CA-DYNAM/T.                    |
| TMEcatlg | bool             | CA1    | CA-1-specific internal flag2 bit x'08'. Expired from catalog control (TMSCTLG).      |
| TMEcycle | bool             | CA1    | CA-1-specific internal flag2 bit x'04'. Expired from cycle control (TMSCYCLE).       |
| TMEdmid  | char             | CA1    | CA-1-specific external data manager id.  |
| TMEdmtap | bool             | CA1    | CA-1-specific internal flag3 bit x'20'. Controlled by external data manager.         |
| TMEldate | bool             | CA1    | CA-1-specific internal flag bit x'02'. Expired from LDATE control (TMSCLEAN).        |
| TMErase  | bool             | CA1    | CA-1-specific internal flag3 bit x'08'. Data set erase required.                     |
| TMEsms   | bool             | CA1    | CA-1-specific internal flag4 bit x'80'. Tape expired by SMS max retention rules.     |
| TMEtms   | bool             | CA1    | CA-1-specific internal flag bit x'01'. Expired by TMS.                               |
| TMExpdtd | date             | CA1    | CA-1-specific expiration date.   |
| TMFilepy | bool             | CA1    | CA-1-specific internal flag3 bit x'01'. Created by CA-1/Copycat.                     |
| TMFlag1  | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag2  | char (alternate) | CA1    | CA-1-specific internal flag byte.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field     | Type             | Source | Description  |
|-----------|------------------|--------|--|
| TMFlag3   | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag4   | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag5   | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFlag6   | char (alternate) | CA1    | CA-1-specific internal flag byte.  |
| TMFrsvol  | char             | CA1    | CA-1-specific first volser of data set.  |
| TMIntal   | bool             | CA1    | CA-1-specific internal flag1 bit x'80'. Internal field changed by user.              |
| TMInuse   | bool             | CA1    | CA-1-specific internal flag4 bit x'02'. Tape is in use for RTS (Real Time Stacking). |
| TMIsclat  | bool             | CA1    | CA-1-specific internal flag4 bit x'08'. File on OS catalog.                          |
| TMJobnm   | char             | CA1    | CA-1-specific creating job name.   |
| TMLasusd  | date             | CA1    | CA-1-specific date last used.  |
| TMLasusj  | char             | CA1    | CA-1-specific job name which last used volume.                                       |
| TMLasust  | time             | CA1    | CA-1-specific time last used.  |
| TMLpgm    | char             | CA1    | CA-1-specific last used program name.  |
| TMLrecl   | int              | CA1    | CA-1-specific logical record length.   |
| TMLtype   | char             | CA1    | CA-1-specific tape label type. One of SL, SUL, NL, NSL, BLP, AL1, AU1, AL3, AU3.     |
| TMNostak  | bool             | CA1    | CA-1-specific internal flag4 bit x'01'. No further stacking allowed.                 |
| TMNrs     | bool             | CA1    | CA-1-specific internal flag4 bit x'04'. Non-resident tape.                           |
| TMNxtVol  | char             | CA1    | CA-1-specific next volser of data set.   |
| TMOutar   | char             | CA1    | CA-1-specific location id of out-of-area tape.                                       |
| TMOoutdat | date             | CA1    | CA-1-specific date tape was marked out-of-area.                                      |
| TMOoutput | bool             | CA1    | CA-1-specific internal flag2 bit x'40'. Volume opened for output.                    |
| TMPrerrc  | int              | CA1    | CA-1-specific number of permanent read errors since cleaned.                         |
| TMPrerri  | int              | CA1    | CA-1-specific number of permanent read errors since initialized.                     |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field     | Type             | Source | Description  |
|-----------|------------------|--------|--|
| TMPrvvol  | char             | CA1    | CA-1-specific previous volser of data set.   |
| TMPrwerrc | int              | CA1    | CA-1-specific number of permanent write errors since cleaned.  |
| TMPrwerri | int              | CA1    | CA-1-specific number of permanent write errors since initialized.                                      |
| TMRecfm   | char             | CA1    | CA-1-specific record format. One of V, VA, VS, VB, VBM, VBA, VBS, F, FM, FA, FS, FB, FBM, FBA, FBS, U. |
| TMRedwd1  | bool             | CA1    | CA-1-specific recording technique. x'E4' indicates Redwood 12.5G capacity.                             |
| TMRedwd2  | bool             | CA1    | CA-1-specific recording technique. x'E5' indicates Redwood 25G capacity.                               |
| TMRedwd3  | bool             | CA1    | CA-1-specific recording technique. x'E6' indicates Redwood 50G capacity.                               |
| TMRelevm  | bool             | CA1    | CA-1-specific internal flag3 bit x'40'. Tape released by external vault manager.                       |
| TMReuse   | bool             | CA1    | CA-1-specific internal flag2 bit x'20'. Data set recreated.  |
| TMRobid   | int              | CA1    | CA-1-specific robotic device indicator.  |
| TMRobty   | int              | CA1    | CA-1-specific tape in robotic device.  |
| TMScrch   | bool             | CA1    | CA-1-specific internal flag bit x'04'. Volume in scratch status.                                       |
| TMSlot    | char             | CA1    | CA-1-specific vault slot number.   |
| TMSmsmc   | char             | CA1    | CA-1-specific SMS management class.  |
| TMSName   | char (alternate) | LCM    | The name of the tape management system defined on the TMS statement.                                   |
| TMStack   | bool             | CA1    | CA-1-specific internal flag5 bit x'80'. Tape has been used by RTS.                                     |
| TMStpnam  | char             | CA1    | CA-1-specific creating step name.  |
| TMTempds  | bool             | CA1    | CA-1-specific internal flag2 bit x'10'. Temporary data set.  |
| TMTrerrc  | int              | CA1    | CA-1-specific number of temporary read errors since cleaned.   |
| TMTrerri  | int              | CA1    | CA-1-specific number of temporary read errors since initialized.                                       |
| TMTrtch   | char (alternate) | CA1    | CA-1-specific recording technique.   |
| TMTwerrc  | int              | CA1    | CA-1-specific number of temporary write errors since cleaned.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field            | Type             | Source          | Description   |
|------------------|------------------|-----------------|---|
| TMTwerri         | int              | CA1             | CA-1-specific number of temporary write errors since initialized.             |
| TMUcount         | int              | CA1             | CA-1-specific number of times tape opened since birthdate.                    |
| TMUltif          | bool             | CA1             | CA-1-specific internal flag3 bit x'02'. Additional files exist in volume set. |
| TMUpdate         | bool             | CA1             | CA-1-specific internal flag bit x'20'. Volume record updated by user.         |
| TMUsecln         | int              | CA1             | CA-1-specific use count at last cleaning.                                     |
| TMUser<br>TMAcct | char             | CA1             | CA-1-specific user job accounting area.                                       |
| TMUsuni          | char (alternate) | CA1             | CA-1-specific address of unit last used.                                      |
| TMVabtch         | int              | CA1             | CA-1-specific id of last CA-1 program to update record.                       |
| TMVacode         | int              | CA1             | CA-1-specific audit code.   |
| TMVacpu          | char             | CA1             | CA-1-specific id of CPU used for last update.                                 |
| TMVadate         | date             | CA1             | CA-1-specific date of last update.  |
| TMVaflg1         | int              | CA1             | CA-1-specific audit flag.   |
| TMVahook         | int              | CA1             | CA-1-specific id of last intercept to update record.                          |
| TMVatime         | time             | CA1             | CA-1-specific time of last update.  |
| TMVuser          | char             | CA1             | CA-1-specific id of last user to update record.                               |
| TMVendor         | char             | CA1             | CA-1-specific tape vendor name.   |
| TMVlseq          | int              | CA1             | CA-1-specific volume sequence number.   |
| TMVlser          | char             | CA1             | CA-1-specific volume serial number.   |
| TMVsr            | bool             | CA1             | CA-1-specific internal flag4 bit x'20'. Vault specific request.               |
| UserBool1        | bool             | Custom,<br>Open | User-defined Boolean field for a volume.                                      |
| UserBool10       | bool             | Custom,<br>Open | User-defined Boolean field for a volume.                                      |
| UserBool2        | bool             | Custom,<br>Open | User-defined Boolean field for a volume.                                      |
| UserBool3        | bool             | Custom,<br>Open | User-defined Boolean field for a volume.                                      |
| UserBool4        | bool             | Custom,<br>Open | User-defined Boolean field for a volume.                                      |

**TABLE 3-2** SET METHOD Statement WHEN Fields

| <b>Field</b> | <b>Type</b> | <b>Source</b>   | <b>Description</b>                         |
|--------------|-------------|-----------------|--|
| UserBool5    | bool        | Custom,<br>Open | User-defined Boolean field for a volume.   |
| UserBool6    | bool        | Custom,<br>Open | User-defined Boolean field for a volume.   |
| UserBool7    | bool        | Custom,<br>Open | User-defined Boolean field for a volume.   |
| UserBool8    | bool        | Custom,<br>Open | User-defined Boolean field for a volume.   |
| UserBool9    | bool        | Custom,<br>Open | User-defined Boolean field for a volume.   |
| UserChar1    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar10   | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar2    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar3    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar4    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar5    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar6    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar7    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar8    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserChar9    | char        | Custom,<br>Open | User-defined character field for a volume. |
| UserDate1    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate10   | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate2    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate3    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate4    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate5    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate6    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate7    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate8    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserDate9    | date        | Custom,<br>Open | User-defined date field for a volume.      |
| UserInt1     | int         | Custom,<br>Open | User-defined integer field for a volume.   |

**TABLE 3-2** SET METHOD Statement WHEN Fields

| Field               | Type | Source       | Description   |
|---------------------|------|--------------|---|
| UserInt10           | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserInt2            | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserInt3            | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserInt4            | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserInt5            | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserInt6            | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserInt7            | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserInt8            | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserInt9            | int  | Custom, Open | User-defined integer field for a volume.                      |
| UserTime1           | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime10          | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime2           | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime3           | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime4           | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime5           | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime6           | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime7           | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime8           | time | Custom, Open | User-defined time field for a volume.                         |
| UserTime9           | time | Custom, Open | User-defined time field for a volume.                         |
| VaultAssignmentDate | date | HSC          | The Date the volume was first assigned to the External Vault. |
| VaultAssignmentTime | time | HSC          | Time the volume was first assigned to the External Vault.     |
| VaultEjectedDate    | date | HSC          | The date the volume was ejected to the External Vault.        |
| VaultEjectedTime    | time | HSC          | Time the volume was ejected to the External Vault.            |
| VaultName           | char | HSC          | The name of the vault.  |
| VaultReturnDate     | date | HSC          | The Date the volume can be returned to the External Vault.    |
| VaultSlot           | char | HSC          | The assigned External Vault Slot value.                       |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field  | Type | Source | Description   |
|--|------|--------|---|
| VolumeSequenceNumber<br>VOLSEQ               | int  | TMS    | The volume sequence number of the volume.   |
| VTV  | bool | VTV    | The volume is a Virtual Tape Volume (VTV), as reported by VSM.  |
| VTVCompressionPercentage                     | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>This is the difference between the uncompressed and compressed VTV size expressed as a percentage of the uncompressed VTV size. For example, if a 100MB VTV compresses to 40MB, then the compression percentage will be given as 60%. A compression of 0% indicates that no compression was possible on the VTV. |
| VTVConsolidated                              | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether a VTV is currently consolidated.   |
| VTVDuplexed                                  | bool | VTV    | The VTV has at least 2 copies.  |
| VTVExportRejected1                           | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV EExport to TapePlex1 was rejected.   |
| VTVExportRejected2                           | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV EExport to TapePlex2 was rejected.   |
| VTVExportStatus                              | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>EExport Status of VTV.<br><br>C<br>Replication has completed.<br>R<br>Replication is required but not started<br>S<br>Replication has started  |
| VTVExportTapePlex1                           | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The first EExport TapePlex for this VTV.   |
| VTVExportTapePlex2                           | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The second EExport TapePlex for this VTV.  |
| VTVFenced                                    | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTV's state is unknown to VTSS.  |
| VTVInitialized                               | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTV has been initialized by VTSS.  |
| VTVInvalid<br>VTVDEL<br>VTVDELETED<br>VTVINV | bool | VTV    | The VTV is invalid in VSM.  |

**TABLE 3-2 SET METHOD Statement WHEN Fields**

| Field  | Type | Source | Description   |
|--|------|--------|---|
| VTVManagementClass<br>VTVMGMTCLAS<br>VTVMGTCLASS | char | VTV    | The VSM management class for the VTV.   |
| VTVMaximumSize                                   | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The maximum size of the VTV in megabytes.  |
| VTVMigrated<br>VTVMIG                            | bool | VTV    | The VTV is migrated in VSM.   |
| VTVMounted<br>VTVMNTD                            | bool | VTV    | The VTV is mounted according to VSM.  |
| VTVMVCID1  | char | VTV    | The MVC volser on which the VTV resides.  |
| VTVMVCID2  | char | VTV    | The MVC volser on which a duplicate or consolidation copy of the VTV resides. Note: If the VTV is consolidated during an LCM run, the value of this field will be updated after the consolidation is performed. The POSTACTION value will reflect the consolidation MVC for this VTV. |
| VTVMVCID3  | char | VTV    | The MVC volser on which a duplicate or consolidation copy of the VTV resides.   |
| VTVMVCID4  | char | VTV    | The MVC volser on which a duplicate or consolidation copy of the VTV resides.   |
| VTVNewCreate                                     | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV was newly created when it was last resident.   |
| VTVOwningTapePlex                                | char | VTV    | The owning TapePlex for this VTV.   |
| VTVPageSize                                      | char | VTV    | The VTV Page Size<br><br>Large<br><br>Standard  |
| VTVRecallDate                                    | date | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Date VTV was recalled to the VTSS buffer.  |
| VTVRecallTime                                    | time | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Time VTV was recalled to the VTSS buffer.  |
| VTVReplicationStatus                             | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Status of VTV replication.<br><br>C<br>Replication has completed.<br>R<br>Replication is required but not started<br>S<br>Replication has started  |
| VTVReplicaVTSS                                   | char | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The Virtual Tape SubSystem (VTSS) in which the VTV replica resides.  |

**TABLE 3-2** SET METHOD Statement WHEN Fields

| Field                               | Type | Source | Description   |
|-------------------------------------|------|--------|---|
| VTVResident                         | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether a VTV is resident in a VTSS.   |
| VTVScratch<br>VTVSCR                | bool | VTV    | The VTV is scratch, as recorded by VSM.   |
| VTVSizeCompressed                   | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The actual compressed size of the VTV in megabytes.  |
| VTVSizeUncompressed<br>VTVMediaSize | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The actual uncompressed size of the VTV in megabytes.                                      |
| VTVTimesRead                        | int  | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The number of times the VTV has been read.   |
| VTVUnavailable<br>VTVUNAVAIL        | bool | VTV    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTV is unavailable because it is either mounted, resident, or fenced according to VSM. |
| VTVVTSS                             | char | VTV    | The Virtual Tape SubSystem (VTSS) in which the VTV resides.   |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

# REPORT LSM Statement Fields

**TABLE 3-3** REPORT LSM Statement Fields

| Field                        | Type<br>Size<br>Summary        | Source | Report Heading            | Description   |
|------------------------------|--------------------------------|--------|---------------------------|---|
| ACSID                        | char (alternate)<br>2<br>none  | HSC    | ACS<br>ID                 | The 2-digit decimal number assigned to the Automated Cartridge System.  |
| AdditionalEnters<br>ADDNLEN  | int<br>7<br>sum                | HSC    | Additional<br>Enters      | The number of scratch volumes that need to be entered in addition to the number LCM has picked by volser.   |
| CleanEnters<br>CLNENTERS     | int<br>7<br>sum                | HSC    | Clean<br>Enters           | The total number of cleaning cartridges that need to be entered into the LSM.   |
| Enters                       | int<br>7<br>sum                | HSC    | Enters                    | The total number of volumes that need to be entered into the LSM.   |
| FailedEjects<br>FEJ          | int<br>7<br>sum                | HSC    | Failed<br>Ejects          | The number of volumes that failed to be ejected from the LSM. This field is only meaningful on a POSTACTION report.   |
| FailedMoveIns<br>FMOVEINS    | int<br>7<br>sum                | HSC    | Failed<br>Move<br>Ins     | The number of volumes that failed to be moved into the LSM. This field is only meaningful on a POSTACTION report.   |
| FailedMoveOuts<br>FMOVEOUTS  | int<br>7<br>sum                | HSC    | Failed<br>Move<br>Outs    | The number of volumes that failed to be moved out of the LSM. This field is only meaningful on a POSTACTION report.   |
| InitialAllVolumes<br>IALLVOL | int<br>7<br>sum                | HSC    | Initial<br>All<br>Volumes | The total number of scratch and nonscratch volumes in the LSM at the beginning of the LCM run.  |
| InitialClean<br>ICLN         | int<br>7<br>sum                | HSC    | Initial<br>Clean          | The number of cleaning cartridges in the LSM at the beginning of the LCM run.   |
| InitialFreeCells<br>IFCELL   | int<br>7<br>sum                | HSC    | Initial<br>Free<br>Cells  | The number of free cells in the LSM at the beginning of the LCM run.  |
| InitialNonScratch<br>INONSCR | int<br>7<br>sum                | HSC    | Initial<br>Non<br>Scratch | The total number of nonscratch volumes in the LSM at the beginning of the LCM run.  |
| InitialScratch<br>ISCR       | int<br>7<br>sum                | HSC    | Initial<br>Scratch        | The total number of scratch volumes in the LSM at the beginning of the LCM run.   |
| LSMGroup<br>LSMGRP           | char (alternate)<br>10<br>none | HSC    | LSM<br>Group              | The LSM Group Name assigned to the volume by the Management Method.   |
| LSMID                        | char (alternate)<br>5<br>none  | HSC    | LSM<br>ID                 | The AA:LL form identifier (AA is the two-character decimal ACS number and LL is the two-character decimal LSM number) that uniquely identifies an LSM to a host system. |

**TABLE 3-3** REPORT LSM Statement Fields

| <b>Field</b>                    | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>       | <b>Description</b>   |
|---------------------------------|----------------------------------|---------------|-----------------------------|--|
| LSMName                         | char (alternate)<br>10<br>none   | HSC           | LSM<br>Name                 | The name given to the LSM by: Explorer: the LSM Names tab of the ACS object; Parameter File: the Lsmid parameter of a Manage or Unmanaged statement.   |
| ManagedLSM<br>MANLSM            | bool<br>See notes below.<br>true | HSC           | Managed<br>LSM              | The LSM is managed by this LCM run. This is specified by: Explorer: editing the properties of an LSM Group listed on the LSM Group tab of a Run object; Parameter File: coverage by a Manage statement.                                      |
| PickedEnters<br>PICKEDEN        | int<br>7<br>sum                  | HSC           | Picked<br>Enters            | The number of scratch volumes LCM has picked by volser to enter into the LSM.  |
| PlannedClean<br>PCLN            | int<br>7<br>sum                  | HSC           | Planned<br>Clean            | The planned number of cleaning cartridges in the LSM at the end of the LCM run.  |
| PlannedEjects<br>PEJ            | int<br>7<br>sum                  | HSC           | Planned<br>Ejects           | The projected number of volumes that will be ejected from the LSM.   |
| PlannedFreeCells<br>PFCELL      | int<br>7<br>sum                  | HSC           | Planned<br>Free<br>Cells    | The total number of free cells projected to be in the LSM after all scheduled cartridge moves, ejects, and enters have been performed.   |
| PlannedMoveIns<br>PMOVEINS      | int<br>7<br>sum                  | HSC           | Planned<br>Move<br>Ins      | The total number of volumes projected to be moved into the LSM.  |
| PlannedMoveOuts<br>PMOVEOUTS    | int<br>7<br>sum                  | HSC           | Planned<br>Move<br>Outs     | The total number of volumes projected to be moved out of the LSM.  |
| PlannedNonScratch<br>PNONSCR    | int<br>7<br>sum                  | HSC           | Planned<br>Non<br>Scratch   | The total number of nonscratch volumes LCM has projected to be in the LSM.   |
| PlannedScratch<br>PSCR          | int<br>7<br>sum                  | HSC           | Planned<br>Scratch          | Total number of scratch volumes LCM has projected to be in the LSM.  |
| PullListEnters<br>PLENTERS      | int<br>7<br>sum                  | HSC           | Pull List<br>Enters         | The total number of Pull List volumes that need to be entered into the LSM.  |
| ScratchEnters<br>SCRENTERS      | int<br>7<br>sum                  | HSC           | Scratch<br>Enters           | The total number of scratch volumes that need to be entered into the LSM.  |
| StatusChanged<br>STCHG          | int<br>7<br>sum                  | HSC           | Status<br>Changed           | The total number of volumes whose scratch status was changed in the HSC CDS by the LCM run. It is possible for the same volume to be scratched and unscratched in the same LCM run. However, this field is only incremented once per volume. |
| StatusErrant<br>STERRANT        | int<br>7<br>sum                  | HSC           | Status<br>Errant            | The total number of volumes whose status was marked errant in the HSC CDS.   |
| StatusExternalLabel<br>STEXTLBL | int<br>7<br>sum                  | HSC           | Status<br>External<br>Label | The total number of volumes whose status was marked as having an external label in the HSC CDS.  |

**TABLE 3-3** REPORT LSM Statement Fields

| <b>Field</b>                        | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>          | <b>Description</b>  |
|-------------------------------------|----------------------------------|---------------|--------------------------------|---|
| StatusNoExternalLabel<br>STNOEXTLBL | int<br>7<br>sum                  | HSC           | Status<br>No External<br>Label | The total number of volumes whose status was marked as having no external label in the HSC CDS.   |
| StatusNotUseable<br>STNTUSBL        | int<br>7<br>sum                  | HSC           | Status<br>Not<br>Useable       | The total number of volumes whose status was marked not useable in the HSC CDS.   |
| StatusOverMaxClean<br>STOVRMXCLN    | int<br>7<br>sum                  | HSC           | Status<br>Over<br>MaxClean     | The total number of volumes whose status was marked over max clean in the HSC CDS.  |
| StatusScratched<br>STSCRED          | int<br>7<br>sum                  | HSC           | Status<br>Scratched            | The total number of volumes whose status was marked scratched in the HSC CDS.   |
| StatusSelected<br>STSELECT          | int<br>7<br>sum                  | HSC           | Status<br>Selected             | The total number of volumes whose status was marked selected in the HSC CDS.  |
| StatusUnreadableLabel<br>STUNRDLBL  | int<br>7<br>sum                  | HSC           | Status<br>Unreadable<br>Label  | The total number of volumes whose status was marked as having an unreadable label in the HSC CDS.   |
| StatusUnscratched<br>STUNSCRED      | int<br>7<br>sum                  | HSC           | Status<br>Unscratched          | The total number of volumes whose status was marked unscratched in the HSC CDS.   |
| StatusWrong<br>STWRNG               | int<br>7<br>sum                  | HSC           | Status<br>Wrong                | The total number of volumes whose scratch status in the HSC CDS is not correct.   |
| SuccessfulEjects<br>SUCCEJ          | int<br>7<br>sum                  | HSC           | Successful<br>Ejects           | The number of volumes that were successfully ejected from the LSM. This field is only meaningful on a POSTACTION report.  |
| SuccessfulMoveIns<br>SUCCMOVEINS    | int<br>7<br>sum                  | HSC           | Successful<br>Move<br>Ins      | The total number of volumes moved into the LSM. This field is only meaningful on a POSTACTION report.   |
| SuccessfulMoveOuts<br>SUCCMOVEOUTS  | int<br>7<br>sum                  | HSC           | Successful<br>Move<br>Outs     | The total number of volumes moved out of the LSM. This field is only meaningful on a POSTACTION report.   |
| VolumesIgnored<br>VOLIGNRD          | int<br>7<br>sum                  | HSC           | Volumes<br>Ignored             | The total number of volumes ignored. This is determined by: Explorer: the TMS tab of the Subpool object; Parameter File: the Ignore parameter on the Subpool statement. |

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

# REPORT MVC\_VTV Statement Fields

**TABLE 3-4** Additional REPORT MVC\_VTV Statement Fields

| Field                   | Type<br>Size<br>Summary          | Source      | Report<br>Heading                | Description   |
|-------------------------|----------------------------------|-------------|----------------------------------|---|
| MVCVTVBlockId           | char (alternate)<br>8<br>none    | MVC,<br>VTV | MVC VTV<br>Block<br>ID           | This field is valid only if LCM is running with NCS 6.2 or later. The logical block ID of the beginning of the VTV on the MVC.              |
| MVCVTVConsolidationDate | date<br>See notes below.<br>none | MVC,<br>VTV | MVC VTV<br>Consolidation<br>Date | This field is valid only if LCM is running with NCS 6.2 or later. The date on which the VTV was consolidated to the MVC as recorded by VSM. |
| MVCVTVMigrationDate     | date<br>See notes below.<br>none | MVC,<br>VTV | MVC VTV<br>Migration<br>Date     | This field is valid only if LCM is running with NCS 6.2 or later. The date on which the VTV was migrated to the MVC as recorded by VSM.     |
| MVCVTVPartition1        | char (alternate)<br>4<br>none    | MVC,<br>VTV | MVC VTV<br>Partition<br>1        | This field is valid only if LCM is running with NCS 6.2 or later. The first partition used in writing the VTV on the MVC.                   |
| MVCVTVPartition2        | char (alternate)<br>4<br>none    | MVC,<br>VTV | MVC VTV<br>Partition<br>2        | This field is valid only if LCM is running with NCS 6.2 or later. The second partition used in writing the VTV on the MVC.                  |

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

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## REPORT VOLUME Statement Fields

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                  | Type<br>Size<br>Summary        | Source | Report Heading | Description   |
|------------------------|--------------------------------|--------|----------------|---|
| Action<br>ACT          | char (alternate)<br>12<br>none | LCM    | Action         | <p>The action planned to be taken on the volume.</p> <p>Consolidate<br/>Planned to consolidate the virtual tape volume.</p> <p>Eject<br/>Planned to eject the volume.</p> <p>Enter<br/>Planned to enter the volume.</p> <p>Export<br/>Planned to export the virtual tape volume.</p> <p>Keep<br/>Planned to keep the volume in the initial LSM.</p> <p>Migrate<br/>Planned to migrate the virtual tape volume.</p> <p>Move<br/>Planned to move the volume.</p> <p>None<br/>No action planned.</p> <p>Recall<br/>Planned to recall the virtual tape volume.</p> <p>Reclaim<br/>Planned to reclaim space on the MVC.</p> <p>Scratch<br/>Planned to set the scratch status for the volume in the HSC CDS or VTCS to Scratch.</p> <p>Unscratch<br/>Planned to set the scratch status for the volume in the HSC CDS or VTCS to Not Scratch.</p>  |
| ActionReason<br>ACTRSN | char (alternate)<br>10<br>none | LCM    | Action Reason  | <p>The reason the action was chosen.</p> <p>Action<br/>Explorer: Instructed by Action tab of Run object. Parameter File: Instructed by Action statement.</p> <p>ClrFzPnl<br/>Explorer: The Action tab of the Run object caused this action to eject volumes frozen by the HSC. Parameter File: A ClearFrozenPanels parameter caused this action to eject volumes frozen by the HSC.</p> <p>EjBad<br/>Explorer: The Action tab of the Run object caused this action to eject defective volumes. Parameter File: An EjBad parameter caused this action to eject defective volumes.</p> <p>Method<br/>Explorer: A Method object condition caused LCM to perform this action. Parameter File: A Method statement attribute caused LCM to perform this action.</p> <p>Need<br/>LCM planned this action in order to meet criteria.</p> <p>PullList<br/>Explorer: A PullList object caused this action. Parameter File: A PullList statement caused this action.</p> |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                   | Type<br>Size<br>Summary          | Source | Report Heading                 | Description  |
|-------------------------|----------------------------------|--------|--------------------------------|--|
| ActionStatus<br>ACTSTAT | char (alternate)<br>40<br>none   | LCM    | Action<br>Status               | The final status of an action. This field is only meaningful on a POSTACTION report.<br><br>Action performed successfully<br><br>Action was not necessary<br><br>LCM stop command was entered<br><br>No magazines in CAP<br><br>No room was available<br><br>not processed by VTCS<br><br>Reason is not known (see LCMLOG)<br><br>Reply to delay WTOR was ABORT or FAIL<br><br>Volume is in disconnected ACS<br><br>Volume is in manual mode LSM<br><br>Volume is in use by another host<br><br>Volume was errant when action attempted<br><br>Volume was mounted when action attempted<br><br>Volume was recently used or selected<br><br>VTCS error (see LCMLOG)<br><br>VTCS PGMI (SWSPGMI) not available<br><br>VTCS request failed<br><br>VTCS task ended unexpectedly |
| BAAbdflg                | char<br>1<br>none                | TLMS   | TLMS<br>Abend<br>Flag          | TLMS-specific abend flag.  |
| BAActive                | int<br>5<br>none                 | TLMS   | TLMS<br>File<br>Count          | TLMS-specific active file count.   |
| BAAscbse                | char<br>8<br>none                | TLMS   | TLMS<br>Associated<br>Base     | TLMS-specific associated base.   |
| BAAscvol                | char<br>8<br>none                | TLMS   | TLMS<br>Associated<br>Volume   | TLMS-specific associated volume.   |
| BABlkcnt                | int<br>5<br>none                 | TLMS   | TLMS<br>Block<br>Count         | TLMS-specific block count.   |
| BABlksiz                | int<br>5<br>none                 | TLMS   | TLMS<br>Block<br>Size          | TLMS-specific block size.  |
| BABuydat                | date<br>See notes below.<br>none | TLMS   | TLMS<br>Purchase<br>Date       | TLMS-specific purchase date.   |
| BACdsexp                | date<br>See notes below.<br>none | TLMS   | TLMS<br>Highest<br>Expire Date | TLMS-specific highest IBM expiration date on volume.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>           | <b>Description</b>                                  |
|--------------|----------------------------------|---------------|---------------------------------|---|
| BACdsflg     | char<br>1<br>none                | TLMS          | TLMS<br>CDS<br>Flag             | TLMS-specific controlling data set flag.            |
| BACdskep     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Highest<br>Keep Date    | TLMS-specific highest keep date on volume.          |
| BACdsseq     | int<br>5<br>none                 | TLMS          | TLMS<br>CDS<br>Seq Num          | TLMS-specific controlling data set sequence number. |
| BAChvol      | char<br>6<br>none                | TLMS          | TLMS<br>1st Volume<br>In Chain  | TLMS-specific 1st volume in chain.                  |
| BACkptkn     | char<br>1<br>none                | TLMS          | TLMS<br>Checkpoint<br>Taken     | TLMS-specific check point taken (Y=Yes; B=No).      |
| BAClncnt     | int<br>5<br>none                 | TLMS          | TLMS<br>Cleanings<br>Since Cert | TLMS-specific cleanings since certified.            |
| BAClndat     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Clean<br>Date           | TLMS-specific clean date.                           |
| BACpusmf     | char<br>4<br>none                | TLMS          | TLMS<br>Creation<br>CPU SMFid   | TLMS-specific creation CPU SMF ID.                  |
| BACredat     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Create<br>Date          | TLMS-specific create date.                          |
| BACreddn     | char<br>8<br>none                | TLMS          | TLMS<br>Creation<br>Ddname      | TLMS-specific creation ddname.                      |
| BACredev     | char (alternate)<br>4<br>none    | TLMS          | TLMS<br>Creation<br>Drive       | TLMS-specific creation drive.                       |
| BACrejob     | char<br>8<br>none                | TLMS          | TLMS<br>Creation<br>Jobname     | TLMS-specific creation jobname.                     |
| BACrepgm     | char<br>8<br>none                | TLMS          | TLMS<br>Creation<br>Pgm         | TLMS-specific creation program name.                |
| BACrestp     | char<br>8<br>none                | TLMS          | TLMS<br>Creation<br>Stepname    | TLMS-specific creation stepname.                    |
| BACretim     | time<br>See notes below.<br>none | TLMS          | TLMS<br>Creation<br>Time        | TLMS-specific time of day the volume was created.   |
| BACreunt     | char (alternate)<br>4<br>none    | TLMS          | TLMS<br>Creation<br>Unit        | TLMS-specific creation unit.                        |
| BACrtcnt     | int<br>5<br>none                 | TLMS          | TLMS<br>Total<br>Certs          | TLMS-specific total certifications.                 |
| BACrtdat     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Certification<br>Date   | TLMS-specific certification date.                   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>          | <b>Description</b>                              |
|--------------|----------------------------------|---------------|--------------------------------|---|
| BADamede     | char<br>1<br>none                | TLMS          | TLMS<br>Damaged<br>Code        | TLMS-specific damaged code.                     |
| BADen        | char<br>1<br>none                | TLMS          | TLMS<br>Density                | TLMS-specific density.                          |
| BADescde     | char<br>1<br>none                | TLMS          | TLMS<br>Destroyed<br>Code      | TLMS-specific destroyed code.                   |
| BADesdat     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Destroyed<br>Date      | TLMS-specific destroyed date.                   |
| BADsn        | char<br>44<br>none               | TLMS          | TLMS<br>Data Set<br>Name       | TLMS-specific data set name.                    |
| BAErgcnt     | int<br>5<br>none                 | TLMS          | TLMS<br>Current<br>Erase gaps  | TLMS-specific current erase gaps on volume.     |
| BAErgmax     | int<br>5<br>none                 | TLMS          | TLMS<br>Max Erase<br>Gaps      | TLMS-specific max erase gaps on volume.         |
| BAExpdat     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Expire<br>Date         | TLMS-specific IBM expiration date for data set. |
| BAFilent     | int<br>5<br>none                 | TLMS          | TLMS<br>File<br>Count          | TLMS-specific file count.                       |
| BAFileseq    | int<br>5<br>none                 | TLMS          | TLMS<br>File Seq<br>In Chain   | TLMS-specific file sequence in chain.           |
| BAFlg001     | int<br>3<br>none                 | TLMS          | TLMS<br>Reserved<br>CA-1 Flag1 | TLMS-specific reserved for CA-1 FLG001.         |
| BAFlg003     | int<br>3<br>none                 | TLMS          | TLMS<br>Reserved<br>CA-1 Flag3 | TLMS-specific reserved for CA-1 FLG003.         |
| BAFlg004     | int<br>3<br>none                 | TLMS          | TLMS<br>Reserved<br>CA-1 Flag4 | TLMS-specific reserved for CA-1 FLG004.         |
| BAFlg005     | int<br>3<br>none                 | TLMS          | TLMS<br>Reserved<br>TLMS Flag5 | TLMS-specific reserved for TLMS FLG005.         |
| BAFlg006     | int<br>3<br>none                 | TLMS          | TLMS<br>Reserved<br>TLMS Flag6 | TLMS-specific reserved for TLMS FLG006.         |
| BAKepdat     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Keep<br>Date           | TLMS-specific keep date for data set.           |
| BALabtyp     | char<br>1<br>none                | TLMS          | TLMS<br>Label<br>Type          | TLMS-specific label type.                       |
| BALasdat     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Last Used<br>Date      | TLMS-specific last used date.                   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>            | <b>Description</b>                                |
|--------------|----------------------------------|---------------|----------------------------------|---|
| BALasdev     | char (alternate)<br>4<br>none    | TLMS          | TLMS<br>Last Used<br>Drive       | TLMS-specific last used drive.                    |
| BALasjob     | char<br>8<br>none                | TLMS          | TLMS<br>Last Used<br>Jobname     | TLMS-specific last used jobname.                  |
| BALasunt     | char (alternate)<br>4<br>none    | TLMS          | TLMS<br>Last Used<br>Unit        | TLMS-specific last used unit.                     |
| BALoc        | char<br>2<br>none                | TLMS          | TLMS<br>Volume<br>Location       | TLMS-specific volume location.                    |
| BALoscde     | char<br>1<br>none                | TLMS          | TLMS<br>Lost<br>Code             | TLMS-specific lost code.                          |
| BAMds1st     | char (alternate)<br>8<br>none    | TLMS          | TLMS<br>Multi-dsn<br>First Ptr   | TLMS-specific multi-dataset first chain pointer.  |
| BAMdslst     | char (alternate)<br>8<br>none    | TLMS          | TLMS<br>Multi-dsn<br>Last Ptr    | TLMS-specific multi-dataset last chain pointer.   |
| BAMovdat     | date<br>See notes below.<br>none | TLMS          | TLMS<br>Date<br>Moved            | TLMS-specific date volume moved.                  |
| BAMvlcnt     | int<br>5<br>none                 | TLMS          | TLMS<br>BAMvltab<br>Volume Count | TLMS-specific count of volumes in BAMvltab.       |
| BAMvlseq1    | int<br>5<br>none                 | TLMS          | TLMS<br>Multi-vol<br>Seq Num 1   | TLMS-specific multi-volume sequence number 1.     |
| BAMvlseq2    | int<br>5<br>none                 | TLMS          | TLMS<br>Multi-vol<br>Seq Num 2   | TLMS-specific multi-volume sequence number 2.     |
| BAMvlseq3    | int<br>5<br>none                 | TLMS          | TLMS<br>Multi-vol<br>Seq Num 3   | TLMS-specific multi-volume sequence number 3.     |
| BAMvlseq4    | int<br>5<br>none                 | TLMS          | TLMS<br>Multi-vol<br>Seq Num 4   | TLMS-specific multi-volume sequence number 4.     |
| BAMvlseq5    | int<br>5<br>none                 | TLMS          | TLMS<br>Multi-vol<br>Seq Num 5   | TLMS-specific multi-volume sequence number 5.     |
| BAMvlvol1    | char<br>6<br>none                | TLMS          | TLMS<br>Multi-vol<br>Serial 1    | TLMS-specific multi-volume chain serial number 1. |
| BAMvlvol2    | char<br>6<br>none                | TLMS          | TLMS<br>Multi-vol<br>Serial 2    | TLMS-specific multi-volume chain serial number 2. |
| BAMvlvol3    | char<br>6<br>none                | TLMS          | TLMS<br>Multi-vol<br>Serial 3    | TLMS-specific multi-volume chain serial number 3. |
| BAMvlvol4    | char<br>6<br>none                | TLMS          | TLMS<br>Multi-vol<br>Serial 4    | TLMS-specific multi-volume chain serial number 4. |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>            | <b>Description</b>  |
|--------------|----------------------------------|---------------|----------------------------------|---|
| BAMvlvol5    | char<br>6<br>none                | TLMS          | TLMS<br>Multi-vol<br>Serial 5    | TLMS-specific multi-volume chain serial number 5.                             |
| BAOutsrv     | char<br>4<br>none                | TLMS          | TLMS<br>Out of Service<br>Code   | TLMS-specific out of service code. Contains BALoscde, BADamcde, and BADescde. |
| BARecsiz     | int<br>5<br>none                 | TLMS          | TLMS<br>LRECL                    | TLMS-specific logical record length.  |
| BARederr     | int<br>5<br>none                 | TLMS          | TLMS<br>Temporary<br>Read Errors | TLMS-specific current temporary read errors.                                  |
| BARfm        | char<br>3<br>none                | TLMS          | TLMS<br>Record<br>Format         | TLMS-specific record format.  |
| BARTncnt1    | int<br>5<br>none                 | TLMS          | TLMS<br>Retention<br>Count - 1   | TLMS-specific retention count for retention entry 1.                          |
| BARTncnt2    | int<br>5<br>none                 | TLMS          | TLMS<br>Retention<br>Count - 2   | TLMS-specific retention count for retention entry 2.                          |
| BARTncnt3    | int<br>5<br>none                 | TLMS          | TLMS<br>Retention<br>Count - 3   | TLMS-specific retention count for retention entry 3.                          |
| BARTncnt4    | int<br>5<br>none                 | TLMS          | TLMS<br>Retention<br>Count - 4   | TLMS-specific retention count for retention entry 4.                          |
| BARTncnt5    | int<br>5<br>none                 | TLMS          | TLMS<br>Retention<br>Count - 5   | TLMS-specific retention count for retention entry 5.                          |
| BARTncnt6    | int<br>5<br>none                 | TLMS          | TLMS<br>Retention<br>Count - 6   | TLMS-specific retention count for retention entry 6.                          |
| BARTndev     | char<br>4<br>none                | TLMS          | TLMS<br>Cabinet<br>Slot          | TLMS-specific box or cabinet/slot.  |
| BARtnLoc1    | char<br>2<br>none                | TLMS          | TLMS<br>Retention<br>Loc - 1     | TLMS-specific user retention location for retention entry 1.                  |
| BARtnLoc2    | char<br>2<br>none                | TLMS          | TLMS<br>Retention<br>Loc - 2     | TLMS-specific user retention location for retention entry 2.                  |
| BARtnLoc3    | char<br>2<br>none                | TLMS          | TLMS<br>Retention<br>Loc - 3     | TLMS-specific user retention location for retention entry 3.                  |
| BARtnLoc4    | char<br>2<br>none                | TLMS          | TLMS<br>Retention<br>Loc - 4     | TLMS-specific user retention location for retention entry 4.                  |
| BARtnLoc5    | char<br>2<br>none                | TLMS          | TLMS<br>Retention<br>Loc - 5     | TLMS-specific user retention location for retention entry 5.                  |
| BARtnLoc6    | char<br>2<br>none                | TLMS          | TLMS<br>Retention<br>Loc - 6     | TLMS-specific user retention location for retention entry 6.                  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field     | Type<br>Size<br>Summary          | Source | Report Heading                | Description   |
|-----------|----------------------------------|--------|-------------------------------|---|
| BARtntpr  | char<br>1<br>none                | TLMS   | TLMS<br>Retention<br>Entry    | TLMS-specific offset of active retention entry.   |
| BARtntsrc | char<br>1<br>none                | TLMS   | TLMS<br>Retention<br>Source   | TLMS-specific retention source. '' (blank) = No retention data; '1' = From RMF; '2' = From JCL; '3' = From manual update.   |
| BARtntyp1 | char<br>1<br>none                | TLMS   | TLMS<br>Retention<br>Type - 1 | TLMS-specific user retention type for retention entry 1. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp2 | char<br>1<br>none                | TLMS   | TLMS<br>Retention<br>Type - 2 | TLMS-specific user retention type for retention entry 2. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp3 | char<br>1<br>none                | TLMS   | TLMS<br>Retention<br>Type - 3 | TLMS-specific user retention type for retention entry 3. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp4 | char<br>1<br>none                | TLMS   | TLMS<br>Retention<br>Type - 4 | TLMS-specific user retention type for retention entry 4. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp5 | char<br>1<br>none                | TLMS   | TLMS<br>Retention<br>Type - 5 | TLMS-specific user retention type for retention entry 5. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp6 | char<br>1<br>none                | TLMS   | TLMS<br>Retention<br>Type - 6 | TLMS-specific user retention type for retention entry 6. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BAScrdat  | date<br>See notes below.<br>none | TLMS   | TLMS<br>Scratch<br>Date       | TLMS-specific date volume scratched.  |
| BAScruid  | char<br>1<br>none                | TLMS   | TLMS<br>Scratched<br>ID       | TLMS-specific scratched by ID. '1' = TRS; '2' = JCL; '3' = Manual; '4' = External data manager.   |
| BaseName  | char<br>44<br>none               | TMS    | Base Name                     | The controlling data set name of the volume. If the data set is a member of a Generation Data Group, only the base name (no .GnnnnVnn) is included.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>           | <b>Description</b>   |
|--------------|----------------------------------|---------------|---------------------------------|--|
| BASmsmgt     | char<br>8<br>none                | TLMS          | TLMS<br>Mgmt<br>Class           | TLMS-specific SMS management class   |
| BASpcchn     | char<br>1<br>none                | TLMS          | TLMS<br>Special<br>Chaining     | TLMS-specific special chaining (chained for moves).  |
| BASpnflg     | char<br>1<br>none                | TLMS          | TLMS<br>Spanned<br>Flag         | TLMS-specific spanned data set flag (1=spanned).   |
| BASrvscr     | char<br>1<br>none                | TLMS          | TLMS<br>Serv/Scr<br>Indicator   | TLMS-specific service/scratch indicator. '0' = Skipped segment record; '1' = In service/Non scratch; '2' = In service/Scratch; '3' = Out service/Non scratch; '4' = Out Service/Scratch. |
| BATaplen     | int<br>5<br>none                 | TLMS          | TLMS<br>Tape<br>Length          | TLMS-specific tape length.   |
| BATapmod     | char<br>1<br>none                | TLMS          | TLMS<br>Recording<br>Technique  | TLMS-specific track recording technique.   |
| BATaptyp     | char<br>2<br>none                | TLMS          | TLMS<br>Tape<br>Type            | TLMS-specific tape type.   |
| BATrspro     | char<br>1<br>none                | TLMS          | TLMS<br>TRS<br>Processed        | TLMS-specific TRS has processed this volume.   |
| BAUnisrt     | int<br>5<br>none                 | TLMS          | TLMS<br>Sort<br>Unique          | TLMS-specific sort unique code.  |
| BAUsebuy     | int<br>5<br>none                 | TLMS          | TLMS<br>Uses Since<br>Purchased | TLMS-specific uses since purchased.  |
| BAUsecln     | int<br>5<br>none                 | TLMS          | TLMS<br>Uses Since<br>Cleaned   | TLMS-specific uses since cleaned.  |
| BAUsecert    | int<br>5<br>none                 | TLMS          | TLMS<br>Uses Since<br>Certified | TLMS-specific uses since certified.  |
| BAUsr001     | char<br>15<br>none               | TLMS          | TLMS<br>Job<br>Accounting       | TLMS-specific user data. (Defaults to job accounting - TCB).   |
| BAUsr002     | char<br>15<br>none               | TLMS          | TLMS<br>Programmer<br>Name      | TLMS-specific user data. (Defaults to programmer name - TCB).  |
| BAUsr003     | char<br>29<br>none               | TLMS          | TLMS<br>User<br>Data            | TLMS-specific user data area.  |
| BAVender     | char<br>8<br>none                | TLMS          | TLMS<br>Manufacturer<br>Code    | TLMS-specific user updated manufacturer code.  |
| BAVol1st     | char (alternate)<br>8<br>none    | TLMS          | TLMS<br>Multi-vol<br>First Ptr  | TLMS-specific multi-volume first volume serial number pointer.   |
| BAVolcnt     | int<br>5<br>none                 | TLMS          | TLMS<br>Volume<br>Count         | TLMS-specific volume count.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                                     | Type<br>Size<br>Summary          | Source                      | Report Heading                | Description  |
|---|----------------------------------|-----------------------------|-------------------------------|--|
| BAVollst                                  | char (alternate)<br>8<br>none    | TLMS                        | TLMS<br>Multi-Vol<br>Last Ptr | TLMS-specific multi-volume last chain pointer.   |
| BAVolown                                  | char<br>8<br>none                | TLMS                        | TLMS<br>Volume<br>Owner       | TLMS-specific volume owner.  |
| BAValseq                                  | int<br>5<br>none                 | TLMS                        | TLMS<br>Volume<br>Seq         | TLMS-specific volume sequence number.  |
| BAVolser                                  | char<br>6<br>none                | TLMS                        | TLMS<br>Volume<br>Serial      | TLMS-specific volume serial number   |
| Classification<br>CLS                     | char (alternate)<br>10<br>none   | HSC,<br>MVC,<br>TMS,<br>VTV | Classification                | Classification of the volume.<br><br>BadScratch<br>Volumes marked defective and scratch in TMS<br>Clean<br>Volumes with the HSC cleaning prefix<br>Expired<br>Volumes marked not scratch and expired in TMS<br>NonScratch<br>Volumes not scratch, badscratch, expired, or clean<br>Scratch<br>Volumes available for receiving new tape data sets |
| Clean<br>CLN                              | bool<br>See notes below.<br>true | LCM                         | Cleaning<br>Cartridge         | This volume is a cleaning cartridge.   |
| ConsolidationGroupName<br>CONSGRPNAME     | char<br>8<br>none                | MVC,<br>VTV                 | Consolidation<br>Group Name   | The consolidation group name for the VTV.  |
| Copy                                      | int<br>4<br>none                 | TMS                         | Copy                          | Copy number of the volume. A value of 1 refers to the most recently created copy of the data set according to the tape management system, 2 refers to the next most recently created copy, and so on.  |
| CreatingTMSDrive<br>CTDRIVE               | char (alternate)<br>4<br>none    | TMS                         | Creating<br>Drive             | The unit address of the tape drive on which the tape data set was created, printed as a hexadecimal character string.  |
| CreationDate<br>CDATE                     | date<br>See notes below.<br>none | MVC,<br>TMS,<br>VTV         | Creation<br>Date              | The date the volume was created. The first available field of the following determines the creation date: CreationTMSDate, CreationVTVDate, CreationMVCDate.   |
| CreationJobName<br>CJOBNAME<br>JOBNAME    | char<br>8<br>none                | TMS                         | Creation<br>Job Name          | The JCL job name that created the volume.  |
| CreationMVCDate<br>CMDATE                 | date<br>See notes below.<br>none | MVC                         | Creation<br>MVC<br>Date       | The date the volume was created as recorded by VSM.  |
| CreationMVCTime<br>CMTIME                 | time<br>See notes below.<br>none | MVC                         | Creation<br>MVC<br>Time       | The time of day the volume was created as recorded by VSM.   |
| CreationStepName<br>CSTEPNAME<br>STEPNAME | char<br>8<br>none                | TMS                         | Creation<br>Step Name         | The JCL step name that created the volume.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>              | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b>       | <b>Report Heading</b>              | <b>Description</b>  |
|---------------------------|----------------------------------|---------------------|------------------------------------|---|
| CreationTime<br>CTIME     | time<br>See notes below.<br>none | MVC,<br>TMS,<br>VTV | Creation<br>Time                   | The time of day the volume was created. The first available field of the following determines the creation time: CreationTMSTime, CreationVTVTime, CreationMVCTime. |
| CreationTMSDate<br>CTDATE | date<br>See notes below.<br>none | TMS                 | Creation<br>TMS<br>Date            | The date the volume was created as recorded in the associated tape management system.   |
| CreationTMSTime<br>CTTIME | time<br>See notes below.<br>none | TMS                 | Creation<br>TMS<br>Time            | The time of day the volume was created as recorded in the associated tape management system.  |
| CreationVTVDate<br>CVDATE | date<br>See notes below.<br>none | VTV                 | Creation<br>VTV<br>Date            | The date the volume was created as recorded by VSM.   |
| CreationVTVTime<br>CVTIME | time<br>See notes below.<br>none | VTV                 | Creation<br>VTV<br>Time            | The time of day the volume was created as recorded by VSM.  |
| CTAccount                 | char<br>50<br>none               | ControlT            | ControlT<br>Account<br>Information | Control-T-specific accounting information   |
| CTActiveds                | int<br>4<br>none                 | ControlT            | ControlT<br>Active<br>Labels       | Control-T-specific number of active labels on volume.   |
| CTBlksize                 | int<br>8<br>none                 | ControlT            | ControlT<br>Block<br>Size          | Control-T-specific block size.  |
| CTBlockct                 | int<br>8<br>none                 | ControlT            | ControlT<br>Block<br>Count         | Control-T-specific block count.   |
| CTBoxid                   | char<br>6<br>none                | ControlT            | ControlT<br>Box<br>ID              | Control-T-specific box ID.  |
| CTChkindt                 | date<br>See notes below.<br>none | ControlT            | ControlT<br>Checkin<br>Date        | Control-T-specific volume check-in date.  |
| CTCIncount                | int<br>8<br>sum                  | ControlT            | ControlT<br>Clean<br>Count         | Control-T-specific clean count  |
| CTCrecpu                  | char<br>8<br>none                | ControlT            | ControlT<br>Create<br>CPU Name     | Control-T-specific creation CPU name.   |
| CTCreddn                  | char<br>8<br>none                | ControlT            | ControlT<br>Create<br>DD Name      | Control-T-specific creation DD name.  |
| CTCredt                   | date<br>See notes below.<br>none | ControlT            | ControlT<br>Creation<br>Date       | Control-T-specific creation date.   |
| CTCrejbn                  | char<br>8<br>none                | ControlT            | ControlT<br>Create<br>Jobname      | Control-T-specific creation job name.   |
| CTCrepgm                  | char<br>8<br>none                | ControlT            | ControlT<br>Create<br>Program Name | Control-T-specific creation program name.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>                 | <b>Description</b>  |
|--------------|----------------------------------|---------------|---------------------------------------|---|
| CTCrestep    | char<br>8<br>none                | ControlT      | ControlT<br>Create<br>Stepname        | Control-T-specific creation stepname.                                     |
| CTCretm      | time<br>See notes below.<br>none | ControlT      | ControlT<br>Creation<br>Time          | Control-T-specific creation time  |
| CTCreuad     | char (alternate)<br>4<br>none    | ControlT      | ControlT<br>Create<br>Unit Address    | Control-T-specific creation unit address.                                 |
| CTDdsexpd1   | date<br>See notes below.<br>none | ControlT      | ControlT<br>First Expiration<br>Date  | Control-T-specific first expiration date.                                 |
| CTDdsexpd2   | date<br>See notes below.<br>none | ControlT      | ControlT<br>Second Expiration<br>Date | Control-T-specific second expiration date.                                |
| CTDdsexpd3   | date<br>See notes below.<br>none | ControlT      | ControlT<br>Third Expiration<br>Date  | Control-T-specific third expiration date.                                 |
| CTDeleted    | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Deleted                   | Control-T-specific volume marked as deleted.                              |
| CTDsname     | char<br>44<br>none               | ControlT      | ControlT<br>Data Set<br>Name          | Control-T-specific data set name.   |
| CTDsvolser   | char<br>6<br>none                | ControlT      | ControlT<br>First<br>Data Set         | Control-T-specific first data set begins on volume.                       |
| CTDyndef     | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Dynamically<br>Defined    | Control-T-specific volume dynamically added.                              |
| CTEdm        | bool<br>See notes below.<br>none | ControlT      | ControlT<br>EDM                       | Control-T-specific volume managed by an External Data Manager.            |
| CTExptrn     | date<br>See notes below.<br>none | ControlT      | ControlT<br>Return<br>Date            | Control-T-specific expected return date from out location.                |
| CTExtndel    | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Expire<br>Delete          | Control-T-specific volume will be deleted when expired.                   |
| CTExternal   | bool<br>See notes below.<br>none | ControlT      | ControlT<br>External<br>Volume        | Control-T-specific external volume.                                       |
| CTFirstvol   | char<br>6<br>none                | ControlT      | ControlT<br>First<br>Volume           | Control-T-specific first volume in the multi-volume group.                |
| CTHold       | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Hold                      | Control-T-specific volume is in the main library due to recall operation. |
| CTInatl      | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Tape<br>Library           | Control-T-specific volume resides inside a robotic tape library.          |
| CTInuse      | bool<br>See notes below.<br>none | ControlT      | ControlT<br>In<br>Use                 | Control-T-specific volume currently in use.                               |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>                  | <b>Description</b>  |
|--------------|----------------------------------|---------------|--|---|
| CTIoerprm    | int<br>4<br>sum                  | ControlT      | ControlT<br>Permanent<br>Read Errors   | Control-T-specific permanent read errors.   |
| CTIoerprmc   | int<br>4<br>sum                  | ControlT      | ControlT<br>Perm Read<br>Errors Clean  | Control-T-specific permanent read errors since last clean.  |
| CTIoertmp    | int<br>4<br>sum                  | ControlT      | ControlT<br>Temporary<br>Read Errors   | Control-T-specific temporary read errors.   |
| CTIoertmpc   | int<br>4<br>sum                  | ControlT      | ControlT<br>Temp Read<br>Errors Clean  | Control-T-specific temporary read errors since last clean   |
| CTIoewprm    | int<br>4<br>sum                  | ControlT      | ControlT<br>Permanent<br>Write Errors  | Control-T-specific permanent write errors.  |
| CTIoewprmc   | int<br>4<br>sum                  | ControlT      | ControlT<br>Perm Write<br>Errors Clean | Control-T-specific permanent write errors since last clean.   |
| CTIoewtmp    | int<br>4<br>sum                  | ControlT      | ControlT<br>Temporary<br>Write Errors  | Control-T-specific temporary write errors.  |
| CTIoewtmpc   | int<br>4<br>sum                  | ControlT      | ControlT<br>Temp Write<br>Errors Clean | Control-T-specific temporary write errors since last clean.   |
| CTLaccdt     | date<br>See notes below.<br>none | ControlT      | ControlT<br>Job<br>Date                | Control-T-specific last access job date.  |
| CTLaccjbn    | char<br>8<br>none                | ControlT      | ControlT<br>Jobname                    | Control-T-specific last job name that accessed the volume.  |
| CTLacctm     | time<br>See notes below.<br>none | ControlT      | ControlT<br>Job<br>Time                | Control-T-specific last access job time.  |
| CTLbnum      | int<br>4<br>none                 | ControlT      | ControlT<br>Label<br>Number            | Control-T-specific highest label number on volume.  |
| CTLbltyp     | char<br>3<br>none                | ControlT      | ControlT<br>Label<br>Type              | Control-T-specific label type<br><br>AL<br><br>AUL<br><br>BLP<br><br>NL<br><br>NSL<br><br>SL<br><br>SUL |
| CTLclndt     | date<br>See notes below.<br>none | ControlT      | ControlT<br>Clean<br>Date              | Control-T-specific last clean date.   |
| CTLlibrary   | char<br>8<br>none                | ControlT      | ControlT<br>Library                    | Control-T-specific robotic tape library name.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>           | <b>Description</b>  |
|--------------|----------------------------------|---------------|---------------------------------|---|
| CTLocation   | char<br>8<br>none                | ControlT      | ControlT<br>Location            | Control-T-specific current location of volume.                        |
| CTLocseq     | int<br>4<br>none                 | ControlT      | ControlT<br>Sequence<br>Number  | Control-T-specific current vault sequence number.                     |
| CTLrecl      | int<br>5<br>none                 | ControlT      | ControlT<br>Record<br>Length    | Control-T-specific record length.                                     |
| CTManvlt     | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Manually<br>Vaulted | Control-T-specific volume manually moved to vault.                    |
| CTMedia      | char<br>8<br>none                | ControlT      | ControlT<br>Media               | Control-T-specific media name   |
| CTMovedate   | date<br>See notes below.<br>none | ControlT      | ControlT<br>Move<br>Date        | Control-T-specific move date.   |
| CTNextvol    | char<br>6<br>none                | ControlT      | ControlT<br>Next<br>Volume      | Control-T-specific next volume in the multi-volume group.             |
| CTNostack    | bool<br>See notes below.<br>none | ControlT      | ControlT<br>No<br>Stacking      | Control-T-specific volume cannot be a candidate for dynamic stacking. |
| CTOut        | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Outside<br>Library  | Control-T-specific volume outside the main library.                   |
| CTPendscr    | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Pending<br>Scratch  | Control-T-specific pending scratch status.                            |
| CTPendvlt    | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Pending<br>Vault    | Control-T-specific pending vault.                                     |
| CTPrevvol    | char<br>6<br>none                | ControlT      | ControlT<br>Previous<br>Volume  | Control-T-specific previous volume in the multi-volume group.         |
| CTPvlt       | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Potential<br>Vault  | Control-T-specific potential vault.                                   |
| CTRecall     | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Recall              | Control-T-specific volume will recall back to main library.           |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field      | Type<br>Size<br>Summary          | Source   | Report Heading                      | Description   |
|------------|----------------------------------|----------|-------------------------------------|---|
| CTRecfm    | char<br>3<br>none                | ControlT | ControlT<br>Record<br>Format        | Control-T-specific record format.<br><br>A<br><br>B<br><br>D<br><br>F<br><br>FB<br><br>FBA<br><br>FBM<br><br>FBS<br><br>M<br><br>S<br><br>U<br><br>V<br><br>VB<br><br>VBA<br><br>VBM<br><br>VBS<br><br>VS |
| CTRecfrom  | char<br>8<br>none                | ControlT | ControlT<br>Recalled<br>From Vault  | Control-T-specific vault name recalled from.  |
| CTRecreate | bool<br>See notes below.<br>none | ControlT | ControlT<br>Recreated               | Control-T-specific dataset recreated.   |
| CTReturnvl | bool<br>See notes below.<br>none | ControlT | ControlT<br>Return From<br>Vault    | Control-T-specific volume returned from vault.  |
| CTRetvltdt | date<br>See notes below.<br>none | ControlT | ControlT<br>Return to<br>Vault Date | Control-T-specific date to return to vault.   |
| CTScratch  | bool<br>See notes below.<br>none | ControlT | ControlT<br>Scratch                 | Control-T-specific volume scratch status.   |
| CTScrdt    | date<br>See notes below.<br>none | ControlT | ControlT<br>Scratch<br>Date         | Control-T-specific volume scratch date.   |
| CTSlname   | char<br>6<br>none                | ControlT | ControlT<br>SL<br>Name              | Control-T-specific SL name.   |
| CTSlotnum  | int<br>8<br>none                 | ControlT | ControlT<br>Slot<br>Number          | Control-T-specific slot number  |
| CTSmcmc    | char<br>8<br>none                | ControlT | ControlT<br>SMS Management<br>Class | Control-T-specific SMS management class.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>                | <b>Description</b>   |
|--------------|----------------------------------|---------------|--------------------------------------|--|
| CTSmssg      | char<br>8<br>none                | ControlT      | ControlT<br>SMS Storage<br>Group     | Control-T-specific SMS storage group.                              |
| CTVabend     | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Volume<br>Abend          | Control-T-specific incomplete data set on volume.                  |
| CTVault      | char<br>8<br>none                | ControlT      | ControlT<br>First<br>Vault Name      | Control-T-specific first vault name.                               |
| CTVault2     | char<br>8<br>none                | ControlT      | ControlT<br>Second<br>Vault Name     | Control-T-specific second vault name.                              |
| CTVault3     | char<br>8<br>none                | ControlT      | ControlT<br>Third<br>Vault Name      | Control-T-specific third vault name.                               |
| CTVaulted    | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Vaulted                  | Control-T-specific vaulted.  |
| CTVendor     | char<br>8<br>none                | ControlT      | ControlT<br>Vendor                   | Control-T-specific volume's vendor name                            |
| CTVformat    | char<br>8<br>none                | ControlT      | ControlT<br>Volume<br>Format         | Control-T-specific volume format                                   |
| CTVfreekb    | int<br>8<br>none                 | ControlT      | ControlT<br>Free<br>KB               | Control-T-specific free kilo-bytes on volume.                      |
| CTVlrstrt    | bool<br>See notes below.<br>none | ControlT      | ControlT<br>Restart                  | Control-T-specific volume processed under MVS restart.             |
| CTVlntdt     | date<br>See notes below.<br>none | ControlT      | ControlT<br>Entry<br>Date            | Control-T-specific vault entry date.                               |
| CTVltexpdt   | date<br>See notes below.<br>none | ControlT      | ControlT<br>Vault Expiration<br>Date | Control-T-specific vault expiration date.                          |
| CTVoledmid   | char<br>4<br>none                | ControlT      | ControlT<br>EDM<br>ID                | Control-T-specific volume's External Data Manager ID.              |
| CTVolexcp    | int<br>8<br>sum                  | ControlT      | ControlT<br>EXCP<br>Count            | Control-T-specific EXCP Count                                      |
| CTVolexpt    | date<br>See notes below.<br>none | ControlT      | ControlT<br>Expire<br>Date           | Control-T-specific volume expiration date.                         |
| CTVolodesc   | char<br>20<br>none               | ControlT      | ControlT<br>Description              | Control-T-specific volume user description.                        |
| CTVolowner   | char<br>8<br>none                | ControlT      | ControlT<br>Owner                    | Control-T-specific volume owner                                    |
| CTVoleseq    | int<br>5<br>none                 | ControlT      | ControlT<br>Voleseq<br>Number        | Control-T-specific volume sequence number in a multi-volume group. |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>                   | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b>       | <b>Report Heading</b>                  | <b>Description</b>  |
|--------------------------------|----------------------------------|---------------------|--|---|
| CTVolser                       | char<br>6<br>none                | ControlT            | ControlT<br>Volume<br>Serial           | Control-T-specific volume serial number.  |
| CTVolsnum                      | int<br>4<br>none                 | ControlT            | ControlT<br>Number Of<br>Volumes       | Control-T-specific number volumes data set resides on.  |
| CTVoltype                      | char<br>1<br>none                | ControlT            | ControlT<br>Volume<br>Type             | Control-T-specific volume type.<br><br>L<br><br>P   |
| CTVolusect                     | int<br>8<br>none                 | ControlT            | ControlT<br>Use Count<br>Since Scratch | Control-T-specific volume use count since last scratch.   |
| CTVolusetc                     | int<br>8<br>none                 | ControlT            | ControlT<br>Use<br>Count               | Control-T-specific volume use count.  |
| CTVstgrp                       | char<br>8<br>none                | ControlT            | ControlT<br>Stacking<br>Group          | Control-T-specific stacking group name.   |
| CTVusedkb                      | int<br>8<br>none                 | ControlT            | ControlT<br>Used<br>KB                 | Control-T-specific Used kilo-bytes on volume.   |
| CycleDate<br>CYDATE            | date<br>See notes below.<br>none | TMS                 | Cycle<br>Date                          | The date used by LCM for CYCLESOON processing. If missing, LCM does not perform CYCLESOON processing on this volume.  |
| DataSetIdentifier<br>DSID      | char<br>44<br>none               | TMS                 | Data Set Identifier                    | The most specific matching data set identifier found for the data set name on the Data Set tab of the Methods folder (Explorer) or a DATASET statement (Parameter File).                            |
| DataSetName<br>DSN             | char<br>44<br>none               | TMS                 | Data Set Name                          | The controlling data set name of the volume. If the data set is a member of a Generation Data Group, the .GnnnVnn qualifier is included.  |
| DataSetReport<br>DSRPT         | bool<br>See notes below.<br>true | LCM                 | Data<br>Set<br>Report                  | This volume is covered by the Data Set tab of the Methods folder (Explorer) or a DATASET statement (Parameter File) and is flagged for reporting.   |
| DaysSinceCreation<br>CDAYS     | int<br>5<br>avg                  | MVC,<br>TMS,<br>VTV | Days<br>Since<br>Creation              | The number of days since the data set was created. The first available field of the following determines the days since creation: DaysSinceCreationTMS, DaysSinceCreationMVC, DaysSinceCreationVTV. |
| DaysSinceCreationMVC<br>CMDAYS | int<br>5<br>avg                  | MVC                 | Days<br>Since<br>Creation MVC          | The number of days since the data set was created as recorded by VSM.   |
| DaysSinceCreationTMS<br>CTDAYS | int<br>5<br>avg                  | TMS                 | Days<br>Since<br>Creation TMS          | The number of days since the data set was created as recorded in the associated tape management system.   |
| DaysSinceCreationVTV<br>CVDAYS | int<br>5<br>avg                  | VTV                 | Days<br>Since<br>Creation VTV          | The number of days since the data set was created as recorded by VSM.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field  | Type<br>Size<br>Summary          | Source                      | Report Heading            | Description   |
|--|----------------------------------|-----------------------------|---------------------------|---|
| DaysSinceEnter<br>EDAYS                                | int<br>5<br>avg                  | HSC                         | Days<br>Since<br>Enter    | The number of days since the volume was entered into an LSM. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent enter day for any volume is used by LCM for all volumes in the multi-volume data set.   |
| DaysSinceLocation<br>LDAYS<br>LOCDAYS                  | int<br>5<br>avg                  | TMS                         | Days<br>Since<br>Location | The number of days since the tape was moved to a tape storage location.   |
| DaysSinceMount<br>MDAYS                                | int<br>5<br>avg                  | HSC                         | Days<br>Since<br>Mount    | The number of days since the HSC last mounted the volume.   |
| DaysSinceReference<br>RDAYS                            | int<br>5<br>avg                  | HSC,<br>MVC,<br>TMS,<br>VTV | Days<br>Since<br>Ref.     | The number of days since reference for the volume as used by LCM. The first available field of the following determines the reference day: DaysSinceReferenceTMS, DaysSinceReferenceVTV, DaysSinceReferenceMVC, DaysSinceMount, DaysSinceSelect. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent reference day for any volume is used by LCM for all volumes in the multi-volume data set. |
| DaysSinceReferenceMVC<br>RMDAYS                        | int<br>5<br>avg                  | MVC                         | Days<br>Since<br>Ref MVC  | The number of days since reference as recorded by VSM for an MVC (Multiple Volume Cartridge)  |
| DaysSinceReferenceTMS<br>RTDAYS                        | int<br>5<br>avg                  | TMS                         | Days<br>Since<br>Ref TMS  | The number of days since reference as recorded in the associated tape management system for volumes being treated as a unit (Multi-volume support).   |
| DaysSinceReferenceVTV<br>RVDAYS                        | int<br>5<br>avg                  | VTV                         | Days<br>Since<br>Ref VTV  | The number of days since reference as recorded by VSM for a VTV (Virtual Tape Volume)   |
| DaysSinceSelect<br>SDAYS                               | int<br>5<br>avg                  | HSC                         | Days<br>Since<br>Select   | The number of days since the volume was selected by the HSC.  |
| DaysTillCycle<br>CYDAYS<br>DAYSTILLEXP<br>IRE<br>XDAYS | int<br>5<br>avg                  | TMS                         | Days<br>Till<br>Cycle     | The number of days LCM uses for CYCLESOON processing. If missing, LCM will not perform CYCLESOON processing on this volume.   |
| Deleted  | bool<br>See notes below.<br>true | TMS                         | Deleted                   | The volume is marked deleted in the tape management system. Note: The value of this field is false for all volumes known to LCM unless: Explorer: The checkbox on the Deleted tab of the TMS object is not checked; Parameter File: the NODELETECHECK parameter is specified on the TMS statement.  |
| EjectViaLSMGroup<br>EJLSMGRP                           | char (alternate)<br>10<br>none   | LCM                         | Eject<br>Via<br>LSM Group | The LSM Group from which LCM plans to eject the volume.   |
| EjectViaLSMID<br>EJLSMID                               | char (alternate)<br>5<br>none    | LCM                         | Eject<br>Via<br>LSM ID    | The LSM ID from which LCM plans to eject the volume.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                         | Type<br>Size<br>Summary          | Source | Report Heading                 | Description   |
|-------------------------------|----------------------------------|--------|--------------------------------|---|
| EjectViaLSMName<br>EJLSMNAME  | char (alternate)<br>10<br>none   | LCM    | Eject<br>Via<br>LSM Name       | The Name of the LSM from which LCM plans to eject the volume.   |
| Encrypted                     | bool<br>See notes below.<br>true | HSC    | Encrypted                      | This field is valid only if LCM is running with NCS 6.2 or later.<br>This volume is encrypted.  |
| EnterDate<br>ENDATE           | date<br>See notes below.<br>none | HSC    | Enter<br>Date                  | The date the volume was entered into an LSM. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent enter date of any volume is used by LCM for all volumes in the multi-volume data set.   |
| EnterTime<br>ENTIME           | time<br>See notes below.<br>none | HSC    | Enter<br>Time                  | The time of day the volume was entered.   |
| Errant                        | bool<br>See notes below.<br>true | HSC    | Errant                         | The HSC has marked this volume errant. Requires HSC PTF L1H10CC (HSC 4.0) or L1H10CE (HSC 4.1) to produce accurate information.   |
| EXLb1Readable<br>EXLBLRD      | bool<br>See notes below.<br>true | HSC    | External Label<br>OCR Readable | The cartridge external label is OCR readable.   |
| ExpireDate<br>EXPDT<br>XDATE  | date<br>See notes below.<br>none | TMS    | Expire<br>Date                 | The date the volume will expire based on the expiration date in the tape management system. Special expire dates are: AGE/nnn - Expires nnn days from create or move date; CATLG - Expires when the data set name no longer exists in the MVS system catalog, regardless of the keep date; CATLG/nnn - Expires nnn days after creation and the data set no longer resides in the MVS catalog; CYCLE/nnn - Oldest data set expires after nnn cycles; FOREIGN - Foreign volume; LDATE/nnn - Expires nnn days after last used; MSG/nnn - TMS user-defined; PERM - Never expires; STATS/nnn - Never expires; USER/nnn - Never expires; ZEROS - CA-TLMS value was zeros; Julian date - Expires on the julian date. |
| ExternalLabel<br>EXLBL        | bool<br>See notes below.<br>true | HSC    | External<br>Label              | The cartridge has an external label.  |
| ExternallyManaged<br>EXTERNAL | bool<br>See notes below.<br>true | TMS    | Externally<br>Managed          | The volume is defined to the tape management system, but its use is controlled by some other software system.   |
| FrozenToLSMGroup              | bool<br>See notes below.<br>true | LCM    | Frozen To<br>LSM Group         | The volume has both EJECT(NO) and a specific LSMGRP assigned by its Management Method.  |
| GDG                           | bool<br>See notes below.<br>true | TMS    | GDG                            | The volume is a member of a Generation Data Group.  |
| GDGWrap                       | bool<br>See notes below.<br>true | TMS    | GDG<br>Wrap                    | The volume is a member of a Generation Data Group where the Gnnnn number has wrapped from 9999 to 0001.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                             | Type<br>Size<br>Summary          | Source                      | Report Heading                 | Description   |
|-----------------------------------|----------------------------------|-----------------------------|--------------------------------|---|
| Generation<br>GEN                 | int<br>5<br>none                 | TMS                         | Generation<br>Number           | The relative generation number + 1, based on the tape management system.  |
| Held                              | bool<br>See notes below.<br>true | HSC,<br>LCM,<br>TMS         | Held                           | The nonscratch volume will not be ejected because one of the Held flags was on. Possible held reasons are: Cyclesoon, Minenter, Minref, or Pulllist.  |
| HeldForCycleSoon<br>HCYLSOON      | bool<br>See notes below.<br>true | TMS                         | Held For<br>Cyclesoon          | The nonscratch volume will not be ejected because the controlling data set is due to expire within a specified number of days. Controlled by: Explorer: Methods folder Limits tab; Parameter File: the CYCLESOON parameter on the OPTIONS statement.  |
| HeldForMinEnter<br>HMINENT        | bool<br>See notes below.<br>true | HSC                         | Held For<br>MinEnter           | The nonscratch volume will not be ejected because it was entered into an LSM within a specified number of days. This is determined by: Explorer: Methods folder Limits tab; Parameter File: the MINENTER parameter on the OPTIONS statement.          |
| HeldForMinRef<br>HMINREF          | bool<br>See notes below.<br>true | HSC,<br>MVC,<br>TMS,<br>VTV | Held For<br>MinRef             | The nonscratch volume will not be ejected because it has been referenced within a specified number of days. This is determined by: Explorer: Methods folder Limits tab; Parameter File: the MINREF parameter on the OPTIONS statement.                |
| HeldForPullList<br>HPULLLIST      | bool<br>See notes below.<br>true | LCM                         | Held For<br>PullList           | The nonscratch volume will not be ejected because it was found on a Pull List.  |
| HoursSinceCreationVTV<br>CVHOURS  | int<br>5<br>avg                  | VTV                         | Hours<br>Since<br>Creation VTV | The number of hours since creation as recorded by VSM for a VTV (Virtual Tape Volume).  |
| HoursSinceReferenceVTV<br>RVHOURS | int<br>5<br>avg                  | VTV                         | Hours<br>Since<br>Ref VTV      | The number of hours since reference as recorded by VSM for a VTV (Virtual Tape Volume).   |
| HSCScratch<br>HSCSCR              | bool<br>See notes below.<br>true | HSC                         | HSC<br>Scratch                 | The status recorded by the HSC for the volume is scratch.   |
| Ignored                           | bool<br>See notes below.<br>true | LCM                         | Ignored                        | LCM does not retain any tape management system information for this volume and will not eject or move this volume. This is determined by: Explorer: the TMS tab of the Subpool object; Parameter File: the IGNORE parameter on the SUBPOOL statement. |
| InitialACSID<br>IACSID            | char (alternate)<br>2<br>none    | HSC,<br>MVC                 | Initial<br>ACS ID              | The ACS ID in which the volume resided at the beginning of the LCM run.   |
| InitialLSMCell<br>ILSMCELL        | char (alternate)<br>14<br>none   | HSC                         | Initial<br>LSM Cell            | The coordinates of the LSM Cell where the volume resided at the beginning of the LCM run.   |
| InitialLSMColumn<br>ILSMCOL       | int<br>2<br>none                 | HSC                         | Initial<br>LSM<br>Column       | The LSM Column number where the volume resided at the beginning of the LCM run.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>                       | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>          | <b>Description</b>  |
|------------------------------------|----------------------------------|---------------|--------------------------------|---|
| InitialLSMGroup<br>ILSMGRP         | char (alternate)<br>10<br>none   | LCM           | Initial<br>LSM Group           | The name of the LSM Group where the volume resided at the beginning of the LCM run.   |
| InitialLSMID<br>ILSMID             | char (alternate)<br>5<br>none    | HSC           | Initial<br>LSM ID              | The LSM ID where the volume resided at the beginning of the LCM run.  |
| InitialLSMName<br>ILSMNAME         | char (alternate)<br>10<br>none   | LCM           | Initial<br>LSM Name            | The Name of the LSM where the volume resided at the beginning of the LCM run.   |
| InitialLSMPanel<br>ILSMPNL         | int<br>2<br>none                 | HSC           | Initial<br>LSM<br>Panel        | The LSM Panel number where the volume resided at the beginning of the LCM run.  |
| InitialLSMPanelFrozen<br>ILSMPNLFZ | bool<br>See notes below.<br>true | HSC           | Initial<br>LSM Panel<br>Frozen | The volume resided in a frozen panel at the beginning of the LCM run.   |
| InitialLSMRow<br>ILSMROW           | int<br>2<br>none                 | HSC           | Initial<br>LSM<br>Row          | The LSM Row number where the volume resided at the beginning of the LCM run.  |
| InLSM                              | bool<br>See notes below.<br>true | HSC,<br>MVC   | In<br>LSM                      | The volume is in an LSM at the beginning of an LCM run.   |
| InManagedLSM<br>INMANLSM           | bool<br>See notes below.<br>true | LCM           | In<br>Managed<br>LSM           | The volume is in a MANAGED LSM at the beginning of an LCM run.  |
| InTMS                              | bool<br>See notes below.<br>true | TMS           | In<br>TMS                      | The volume is in a tape management system defined to LCM.   |
| LastUsedTMSDrive<br>LUTDRIVE       | char (alternate)<br>4<br>none    | TMS           | Last<br>Used<br>Drive          | The unit address of the tape drive on which the tape was last used, printed as a hexadecimal character string.  |
| LocationCode<br>LOCCODE            | char<br>8<br>none                | TMS           | Location<br>Code               | The identifier assigned to a tape volume by the tape management system to identify the intended storage location for that volume.   |
| LocationDate<br>LDATE<br>LOCDATE   | date<br>See notes below.<br>none | TMS           | Location<br>Date               | The date the volume was moved to the tape management system's tape storage location.  |
| LocationName<br>LOCNAME            | char (alternate)<br>10<br>none   | LCM           | Location<br>Name               | The name of the tape storage location. Location Names are not defined to the tape management system, but are assigned by LCM from tape management system information as specified by: Explorer: the Location object Codes tab; Parameter File: the Location statement Code parameter. |
| LocationSequence<br>LOCSEQ         | int<br>5<br>none                 | LCM           | Location<br>Sequence           | The number that LCM assigned to each location to determine the order that tapes at that location are ejected. Controlled by: Explorer: the Locations folder Order tab; Parameter File: the order of Location statements in the parameter file.  |
| Managed                            | bool<br>See notes below.<br>true | LCM           | Managed                        | The volume is covered by a MANAGE statement.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>                  | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>   | <b>Description</b>  |
|-------------------------------|----------------------------------|---------------|-------------------------|---|
| ManagedIndividually<br>MANIND | bool<br>See notes below.<br>true | LCM           | Managed<br>Individually | The volume is managed individually, but is part of a multi-volume data set. This happens if all of the volumes in the volume set are not assigned the same Management Method.   |
| ManagementClass<br>MGMTCLAS   | char (alternate)<br>8<br>none    | TMS           | Management<br>Class     | The name of the SMS Management Class for the volume.  |
| MaxUseCount                   | int<br>4<br>none                 | HSC           | Maximum<br>Use<br>Count | The maximum usage for a cleaning cartridge set by the VOLATTR Maxclean or MNTD Maxclean value.  |
| MediaSource<br>MEDIAS         | char (alternate)<br>6<br>none    | LCM           | Media<br>Source         | The source of information used to determine the volume's MediaType value.<br><br>DFLT<br>The media type defaulted to Standard.<br>HSCCDS<br>The HSC Control Data Set.<br>VOLDEF<br>The VOLATTR statements contained in the file identified by the HSC VOLDEF parameter.<br>VSMVTV<br>VSM Virtual Tape Volume information. |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                        | Type<br>Size<br>Summary       | Source              | Report Heading | Description  |
|------------------------------|-------------------------------|---------------------|----------------|--|
| MediaType<br>MEDIA<br>MEDIAT | char (alternate)<br>8<br>none | HSC,<br>MVC,<br>VTV | Media<br>Type  | The media type of the volume.<br><br>DD3A<br>10 Gb capacity helical cartridge.<br>DD3B<br>25 Gb capacity helical cartridge.<br>DD3C<br>50 Gb capacity helical cartridge.<br>DD3D<br>Cleaning cartridge for helical drives.<br>ECART<br>Enhanced Capacity tape (3490).<br>JCART<br>EE-tape media.<br>Long<br>3490E extended capacity cartridge.<br>LTO-100G<br>LTO 100GB capacity cartridge.<br>LTO-10G<br>LTO 10GB capacity cartridge.<br>LTO-200G<br>LTO 200GB capacity cartridge.<br>LTO-35G<br>LTO 35GB capacity cartridge.<br>LTO-400G<br>LTO 400GB capacity cartridge.<br>LTO-400W<br>LTO 400Gb capacity WORM cartridge.<br>LTO-50G<br>LTO 50GB capacity cartridge.<br>LTO-800G<br>LTO 800GB capacity cartridge<br>LTO-800W<br>LTO 800GB capacity WORM cartridge<br>LTO-CLN1<br>LTO cleaning type 1 cartridge.<br>LTO-CLN2<br>LTO cleaning type 2 cartridge.<br>LTO-CLNU<br>LTO universal cleaning cartridge.<br>SDLT<br>Super DLT cartridge.<br>SDLT-2<br>Super DLT model 2 cartridge.<br>Standard<br>Standard length 3480 cartridge.<br>STK1R<br>9840 data cartridge.<br>STK1U<br>Cleaning cartridge for 9840 transports.<br>STK1Y<br>Cleaning cartridge for 9840D transports.<br>STK2P<br>T9940A data cartridge.<br>STK2W<br>Cleaning cartridge for T9940 transports.<br>T10000CT<br>Titanium cleaning cartridge.<br>T10000T1<br>Titanium full capacity cartridge.<br>T10000TS<br>Titanium "sport" cartridge.<br>VIRTUAL<br>Virtual Tape Volume (VTV) in the StorageTek<br>Virtual Storage Manager system.<br>ZCART<br>9490EE ZCART media cartridge. |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                                  | Type<br>Size<br>Summary        | Source | Report Heading            | Description  |
|--|--------------------------------|--------|---------------------------|--|
| MediaWarrantyLife<br>MWL               | int<br>3<br>none               | HSC    | Media<br>Warranty<br>Life | Percentage of media warranty life used, reported by the drive at dismount time when the Media Information Record (MIR) is rewritten on the tape. Maximum value of 254% includes everything above 254%.   |
| MethodColumn<br>MTHCOL                 | int<br>2<br>none               | LCM    | Method<br>Column          | The column in the LCM parameter file (generated when using the Explorer) in which the associated Management Method was coded. See also the MethodName and MethodLineNum fields.  |
| MethodCondNum<br>MTHCOND               | int<br>4<br>none               | LCM    | Method<br>Cond Num        | Explorer: The number of the Condition of the Method object that applies to this volume. A value of zero indicates that the OTHERWISE attributes for the Method were applied.<br>Parameter File: The occurrence of the Cond parameter on the Method statement that applies to this volume. A value of zero indicates that the default attributes for the Method were applied. |
| MethodEject<br>MTHEJ                   | char (alternate)<br>8<br>none  | LCM    | Method<br>Eject           | The Eject attribute of the Management Method assigned to this volume.<br><br>ASNEEDED<br>Eject this volume only when room is needed to meet free cell and/or volume management criteria.<br>NO<br>Never eject this volume.<br>YES<br>Always eject this volume.   |
| MethodLineNum<br>MTHLINE               | int<br>5<br>none               | LCM    | Method<br>Line Num        | The line in the LCM parameter file (generated when using the Explorer) in which the associated Management Method was coded. See also the MethodName and MethodColumn fields.   |
| MethodLSMGroup<br>MTHLSMGRP            | char (alternate)<br>10<br>none | LCM    | Method<br>LSM Group       | The LSM Group assigned to this volume by its Management Method.  |
| MethodName<br>METHOD<br>MTH<br>MTHNAME | char (alternate)<br>10<br>none | LCM    | Method<br>Name            | The name of the Management Method assigned to this volume.   |
| MethodOrder<br>MTHORD                  | int<br>3<br>none               | LCM    | Method<br>Order           | The order in which the volume may be picked for ejection or demotion. This is determined by: Explorer: the Pick Order of the applicable Condition on the Conditions tab of the Method object; Parameter File: the Order(n) parameter of the Method statement.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                  | Type<br>Size<br>Summary        | Source | Report Heading   | Description   |
|------------------------|--------------------------------|--------|------------------|---|
| MethodReason<br>MTHRSN | char (alternate)<br>10<br>none | LCM    | Method<br>Reason | <p>The reason that the associated Management Method was chosen.</p> <p>Clean<br/>Cleaning cartridge criteria.</p> <p>Dataset<br/>Explorer: A Data Set Identifier specified on the Methods folder Data Set tab applied to this volume. Parameter File: A Dataset statement applied to this volume.</p> <p>Default<br/>No specified condition applied to this volume.</p> <p>EjBad<br/>The tape management system indicated that this volume is defective and: Explorer: the Bad Scratch option on the Action tab of the Run object was checked; Parameter File: the Ejbad parameter on the Options statement was specified.</p> <p>External<br/>The volume is marked as externally managed in the tape management system.</p> <p>HSCOnly<br/>The tape volume is not in a tape management system.</p> <p>Ignore<br/>Explorer: The TMS tab of the Subpool object specified that LCM should not take actions such as sync, eject, and move for this volume's Subpool. Parameter File: The Ignore parameter on the Subpool statement applied to this volume.</p> <p>Location<br/>Explorer: The Location tab of the Methods folder specified that the volume should be ejected. Parameter File: A Location statement applied to this volume and specified a Management Method with the Eject attribute.</p> <p>LSMEject<br/>Explorer: A Method object with the Eject(Yes) attribute applied to this volume. Parameter File: An Eject(Yes) parameter on a Method statement applied to this volume.</p> <p>LSMNeverEj<br/>Explorer: A Method object with the Eject(No) attribute applied to this volume. Parameter File: An Eject(No) parameter on a Method statement applied to this volume.</p> <p>MethodFile<br/>Explorer: The file specified for Method Input on the File tab of the Run object had an entry for this volume. Parameter File: The file specified on the Methodfile parameter of the Options statement had an entry for this volume.</p> <p>Scratch<br/>Scratch criteria.</p> <p>SetMethod<br/>Explorer: The Advanced tab of the Methods folder or a Custom Action specified on the Action tab of the Run object applied to this volume. Parameter File: A Set Method statement applied to this volume.</p> <p>Subpool<br/>Explorer: Not applicable. Parameter File: A Subpool statement applied to this volume.</p> |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                     | Type<br>Size<br>Summary          | Source | Report Heading                 | Description   |
|---------------------------|----------------------------------|--------|--------------------------------|---|
| MethodUncond<br>MTHUNCOND | bool<br>See notes below.<br>true | LCM    | Method<br>UNCOND               | Explorer: This volume is externally managed and the External tab of the Methods folder indicated that the Method could not be overridden, or the volume's Method was set using the Method Input File and its entry included the U indicator. Parameter File: This volume's method was assigned using the Uncond keyword. Uncond may be specified for the External or HSCOnly options, and by the U indicator in the Methodfile.   |
| MountDate<br>MDATE        | date<br>See notes below.<br>none | HSC    | Mount<br>Date                  | The date the volume was last mounted in an LSM.   |
| Mounted                   | bool<br>See notes below.<br>true | HSC    | Volume<br>Currently<br>Mounted | The volume is currently mounted.  |
| MountTime<br>MTIME        | time<br>See notes below.<br>none | HSC    | Mount<br>Time                  | The time of day the volume was last mounted in an LSM.  |
| MVC                       | bool<br>See notes below.<br>true | MVC    | MVC                            | The volume is a Multiple Volume Cartridge for VSM.  |
| MVCALP                    | bool<br>See notes below.<br>true | MVC    | MVC<br>ALP                     | This field is valid only if LCM is running with NCS 6.2 or later. The MVC has been initialized as an Automatically Linked Partition (ALP) volume.   |
| MVCAudit                  | bool<br>See notes below.<br>true | MVC    | MVC<br>Audit                   | This field is valid only if LCM is running with NCS 6.2 or later. The MVC is either being audited or the audit failed. If the audit failed, VTCS will not use the MVC for migration. To clear this condition, rerun the AUDIT against this MVC.   |
| MVCAvailable<br>MVCAVAIL  | int<br>3<br>none                 | MVC    | MVC<br>%Available              | The percentage of the MVC available for use.  |
| MVCBroken                 | bool<br>See notes below.<br>true | MVC    | MVC<br>Broken                  | This field is valid only if LCM is running with NCS 6.2 or later. The MVC has an error that should be investigated. The error might not make the MVC unusable, but VTCS does not select the MVC for migration for 12 hours after this status has been set to true. After the 12 hour period, the MVC is least preferred for subsequent migrations, and recalls from the MVC can cause VTCS to drain it. This error condition can be accompanied by messages SLS6686, SLS6687, SLS6688, SLS6690 and/or SLS6693. Any of the following conditions can cause this MVC error: MVC corrupted by another job (other than VTCS/VTSS). Attempt to use a read-only MVC for migration. A DDR swap failure. An RTD failure. |
| MVCConsolidateDate        | date<br>See notes below.<br>none | MVC    | MVC<br>Consolidate<br>Date     | This field is valid only if LCM is running with NCS 6.2 or later. The date on which the MVC was consolidated as recorded by VSM.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                    | Type<br>Size<br>Summary          | Source | Report Heading             | Description  |
|--------------------------|----------------------------------|--------|----------------------------|--|
| MVCConsolidateTime       | time<br>See notes below.<br>none | MVC    | MVC<br>Consolidate<br>Time | This field is valid only if LCM is running with NCS 6.2 or later.<br>For a consolidation MVC, this field displays the time of the consolidation.   |
| MVCConsolidation         | bool<br>See notes below.<br>true | MVC    | MVC<br>Consolidation       | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is a consolidation MVC.   |
| MVCDataCheck             | bool<br>See notes below.<br>true | MVC    | MVC<br>Data<br>Check       | This field is valid only if LCM is running with NCS 6.2 or later.<br>A data check was reported for this MVC. VSM will not use this MVC again for migration.  |
| MVCDrained               | bool<br>See notes below.<br>true | MVC    | MVC<br>Drained             | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is being drained because of one of:<br>1) an automatic drain or demand reclaim, 2) an explicit MVCDRain command, 3) The previous DRAIN request failed, in which case VTCS will not use the MVC for migration. To clear this condition, enter MVCDRain against MVC without the Eject option. |
| MVCEject                 | bool<br>See notes below.<br>true | MVC    | MVC<br>Eject               | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is in the process of eject either because you issued MVCDRainEject or the MVC was ejected for update by a RACROUTE call. The MVC will not be used again for migration or recall. To clear this condition, use MVCDRain against MVC without the Eject option.                                |
| MVCExport                | bool<br>See notes below.<br>true | MVC    | MVC<br>Export              | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is an export MVC.   |
| MVCFragmented<br>MVCFRAG | int<br>3<br>none                 | MVC    | MVC<br>%Fragmented         | The percentage of the MVC that is not available due to fragmentation.  |
| MVCFull                  | bool<br>See notes below.<br>true | MVC    | MVC<br>Full                | This field is valid only if LCM is running with NCS 6.2 or later.<br>There is no space available on the MVC.   |
| MVCInitialized           | bool<br>See notes below.<br>true | MVC    | MVC<br>Initialized         | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been initialized.   |
| MVCInUse                 | int<br>3<br>none                 | MVC    | MVC<br>%In Use             | The percentage of the MVC used by valid Virtual Tape Volumes.  |
| MVCInvalidMIR            | bool<br>See notes below.<br>true | MVC    | MVC<br>Invalid<br>MIR      | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has an invalid MIR.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field   | Type<br>Size<br>Summary          | Source | Report Heading             | Description   |
|---|----------------------------------|--------|----------------------------|---|
| MVCLost   | bool<br>See notes below.<br>true | MVC    | MVC<br>Lost                | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC was not mounted in response to the last mount request. The MVC can still be used for migration, but will not select the MVC for migration for 12 hours after it is marked lost. After the 12 hour period, the MVC will be least preferred. This condition will clear itself the next time that the MVC is mounted. |
| MVCMaximumReached   | bool<br>See notes below.<br>true | MVC    | MVC<br>Maximum<br>VTVs     | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has reached the maximum VTVs per MVC.  |
| MVCMediaSize  | int<br>9<br>sum                  | MVC    | MVC<br>Media<br>Size (MB)  | This field is valid only if LCM is running with NCS 6.2 or later.<br>The size in MB of the MVC. This is determined only after VTCS has used an MVC. "UNKNOWN" appears in this field until VTCS migrates a VTV to the MVC.   |
| MVCMountDate  | date<br>See notes below.<br>none | MVC    | Mount<br>MVC<br>Date       | This field is valid only if LCM is running with NCS 6.2 or later.<br>The date on which the MVC was mounted, as recorded by VTSS.  |
| MVCMountTime  | time<br>See notes below.<br>none | MVC    | MVC<br>Mount<br>Time       | This field is valid only if LCM is running with NCS 6.2 or later.<br>The time the MVC was last mounted, as recorded by VTSS.  |
| MVCPoolName   | char (alternate)<br>13<br>none   | MVC    | MVC<br>Pool<br>Name        | This field is valid only if LCM is running with NCS 6.2 or later.<br>MVC Pool Name from the VTCS MVCPOOL control statement.   |
| MVCReadOnly   | bool<br>See notes below.<br>true | MVC    | MVC<br>Read<br>Only        | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been marked read-only.   |
| MVCRetired  | bool<br>See notes below.<br>true | MVC    | MVC<br>Retired             | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is retired. VTCS will recall from, but not migrate to, the MVC. Replace the MVC as soon as possible.   |
| MVCStorageClass<br>MVCSTORCLASS<br>STORAGECLASS<br>STORCLAS | char<br>8<br>none                | MVC    | MVC<br>Storage<br>Class    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTCS Storage Class for the volume.   |
| MVCUsableForMigration                                       | bool<br>See notes below.<br>true | MVC    | MVC<br>Usable<br>Migration | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the MVC can be used for migration.   |
| MVCUsed<br>ed<br>MVCTimesMount                              | int<br>5<br>sum                  | MVC    | MVC<br>Used<br>(MB)        | The number of times the MVC has been mounted.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>                     | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>       | <b>Description</b>   |
|----------------------------------|----------------------------------|---------------|-----------------------------|--|
| MVCVirtual<br>VirtualMVC<br>vMVC | bool<br>See notes below.<br>true | MVC           | MVC<br>Virtual              | This field is valid only if LCM is running with NCS 6.2 or later. Indicates whether the MVC is virtual (exists as an image in a Virtual Library Extension subsystem).  |
| MVCVLEName<br>VLEName            | char<br>8<br>none                | MVC           | MVC<br>VLE<br>Name          | The Virtual Library Extension subsystem in which the MVC resides.  |
| MVCVTSS                          | char<br>8<br>none                | MVC           | MVC VTSS<br>Last<br>Mounted | This field is valid only if LCM is running with NCS 6.2 or later. VTSS name where the MVC was last used.   |
| MVCVTVCount<br>MVCVTVCNT         | int<br>4<br>sum                  | MVC           | MVC<br>TV<br>Count          | The number of valid Virtual Tape Volumes on the MVC.   |
| MVCWarrantyExpired               | bool<br>See notes below.<br>true | MVC           | MVC<br>Warranty<br>Expired  | This field is valid only if LCM is running with NCS 6.2 or later. The MVC's warranty has expired. VTCS continues to use the MVC. You should start making plans to replace the MVC when it reaches Retired state. |
| NonScratch<br>NONSCR             | bool<br>See notes below.<br>true | HSC,<br>TMS   | Non-<br>Scratch             | The volume is not classified as a scratch volume.  |
| Notuseable<br>NOUSE              | bool<br>See notes below.<br>true | HSC           | Not<br>Useable              | The HSC has marked this volume as not useable.   |
| OnPullList<br>ONPL               | bool<br>See notes below.<br>true | LCM           | On Pull<br>List             | The volume is on a Pull List.  |
| OverMaxClean<br>OverHSCMAXCLN    | bool<br>See notes below.<br>true | HSC           | Over<br>MAXCLN              | The cleaning cartridge has exceeded its maximum usage count.   |
| PermanentReadErrors              | int<br>5<br>sum                  | TMS           | Permanent<br>Read Errors    | The number of permanent read errors for the volume.  |
| PermanentWriteErrors             | int<br>5<br>sum                  | TMS           | Permanent<br>Write Errors   | The number of permanent write errors for the volume.   |
| PlannedACSID<br>PACSID           | char (alternate)<br>2<br>none    | LCM           | Planned<br>ACS ID           | The ACS ID LCM has determined the volume should be in at the end of the LCM run. This is planned only. Check the ActionStatus field to determine if this is the final ACS ID.                                    |
| PlannedLSMGroup<br>PLSMGRP       | char (alternate)<br>10<br>none   | LCM           | Planned<br>LSM Group        | The LSM Group LCM has determined the volume should be in at the end of the LCM run. This is planned only. Check the ActionStatus field to determine if this is the final LSM Group.                              |
| PlannedLSMID<br>PLSMID           | char (alternate)<br>5<br>none    | LCM           | Planned<br>LSM ID           | The LSM ID LCM has determined the volume should be in at the end of the LCM run. This is planned only. Check the ActionStatus field to determine if this is the final LSM ID.                                    |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                         | Type<br>Size<br>Summary          | Source      | Report Heading                    | Description   |
|-------------------------------|----------------------------------|-------------|-----------------------------------|---|
| PlannedLSMName<br>PLSMNAME    | char (alternate)<br>10<br>none   | LCM         | Planned<br>LSM Name               | The LSM Name LCM has determined the volume should be in at the end of the LCM run. This is planned only. Check the ActionStatus field to determine if this is the final LSM Name.   |
| PullListName<br>PLNAME        | char (alternate)<br>10<br>none   | LCM         | Pull List<br>Name                 | The name of the Pull List for the volume.   |
| RecordingTechnique<br>RecTech | char<br>8<br>none                | HSC         | Recording<br>Technique            | The recording technique associated with a volume's media This is the method used to record data tracks on the tape surface for the volume.  |
| ReferenceDate<br>RDATE        | date<br>See notes below.<br>none | HSC,<br>TMS | Reference<br>Date                 | The date of last reference for the volume. This is the value used by LCM. The first available field of the following determines the reference date: ReferenceTMSDate, ReferenceMVCDate, ReferenceVTVDate, MountDate, SelectDate. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent reference date for any volume will be used by LCM for all volumes in the multi-volume data set. |
| ReferenceMVCDate<br>RMDATE    | date<br>See notes below.<br>none | MVC         | Reference<br>MVC<br>Date          | The date on which the MVC was last referenced, as recorded by VSM.  |
| ReferenceTMSDate<br>RTDATE    | date<br>See notes below.<br>none | TMS         | Reference<br>TMS<br>Date          | The date of the last reference, as recorded in the associated tape management system, for volumes being treated as a unit (Multi-volume support).   |
| ReferenceVTVDate<br>RVDATE    | date<br>See notes below.<br>none | VTV         | Reference<br>VTV<br>Date          | The date on which the VTV was last referenced, as recorded by VSM.  |
| ReferenceVTVTime<br>RVTIME    | time<br>See notes below.<br>none | VTV         | Reference<br>VTV<br>Time          | The time of day the volume was last referenced, as recorded by VSM.   |
| RunName                       | char (alternate)<br>10<br>none   | LCM         | Run Name                          | The name of the Run object from the JCL EXEC statement Run PARM.  |
| RunType                       | char (alternate)<br>10<br>none   | LCM         | Run Type                          | The RunType from the JCL EXEC statement RunType PARM.   |
| RVAbend                       | bool<br>See notes below.<br>true | RMM         | RMM<br>Dataset<br>Closed by abend | RMM specific volume was closed by abend.  |
| RVAccinf                      | char<br>40<br>none               | RMM         | RMM<br>Accounting<br>Information  | RMM specific volume accounting information.   |
| RVAcclst                      | int<br>4<br>none                 | RMM         | RMM<br>Num Access<br>List Entries | RMM specific volume number of access list entries. Only available in the extract file, not through the API.   |
| RVActera                      | bool<br>See notes below.<br>true | RMM         | RMM<br>Pending<br>Erase           | RMM specific volume pending action is erase volume.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>            | <b>Description</b>  |
|--------------|----------------------------------|---------------|----------------------------------|---|
| RVActini     | bool<br>See notes below.<br>true | RMM           | RMM<br>Pending<br>Initialize     | RMM specific volume pending action is initialize volume.  |
| RVAction     | char<br>8<br>none                | RMM           | RMM<br>Pending<br>Actions        | RMM specific pending actions. Characters are 'return to scratch', 'replace volume', 'return to owner', 'initialize', 'erase', 'notify', 'reserved', 'reserved'. |
| RVActnot     | bool<br>See notes below.<br>true | RMM           | RMM<br>Pending<br>Notify         | RMM specific volume pending action is notify.   |
| RVActrep     | bool<br>See notes below.<br>true | RMM           | RMM<br>Replace<br>Volume         | RMM specific volume pending action is replace volume.   |
| RVActret     | bool<br>See notes below.<br>true | RMM           | RMM<br>Return<br>Owner           | RMM specific volume pending action is return to owner.  |
| RVActscr     | bool<br>See notes below.<br>true | RMM           | RMM<br>Return to<br>Scratch      | RMM specific volume pending action is return to scratch.  |
| RVAlcur      | char<br>1<br>none                | RMM           | RMM<br>Current<br>Label Version  | RMM specific Ansi current label version. One of blank, 1, 3, or 4.  |
| RVAlreq      | char<br>1<br>none                | RMM           | RMM<br>Required<br>Label Version | RMM specific Ansi required label version. One of blank, 1, 3, or 4.   |
| RVAlvers     | char<br>2<br>none                | RMM           | RMM<br>Ansi<br>Label             | RMM specific Ansi label version. First character is current label version, second charac is required label version. Each character is one of blank, 1, 3, or 4. |
| RVAsdate     | date<br>See notes below.<br>none | RMM           | RMM<br>Assigned<br>Date          | RMM specific assigned date.   |
| RVAs time    | time<br>See notes below.<br>none | RMM           | RMM<br>Assigned<br>Time          | RMM specific volume assigned time.  |
| RVAutids     | char<br>96<br>none               | RMM           | RMM<br>Authorised<br>User Ids    | RMM specific volume authorised user ids.  |
| RVBlp        | bool<br>See notes below.<br>true | RMM           | RMM<br>Last Written<br>BLP       | RMM specific volume last written with BLP.  |
| RVBmedn      | char<br>8<br>none                | RMM           | RMM<br>Bin<br>Media Name         | RMM specific volume bin media name.   |
| RVCapacity   | int<br>10<br>none                | RMM           | RMM<br>Capacity<br>In MBytes     | RMM specific volume capacity in MBytes.   |
| RVComp       | bool<br>See notes below.<br>true | RMM           | RMM<br>Compaction<br>Used        | RMM specific compaction used -Y/N.  |
| RVContnr     | char<br>16<br>none               | RMM           | RMM<br>In Container<br>Name      | RMM specific volume In container name   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>    | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>              | <b>Description</b>  |
|-----------------|----------------------------------|---------------|------------------------------------|---|
| RVCrdate        | date<br>See notes below.<br>none | RMM           | RMM<br>Create<br>Date              | RMM specific volume create date.  |
| RVCrjob         | char<br>8<br>none                | RMM           | RMM<br>Create<br>Jobname           | RMM specific volume creating jobname.   |
| RVCrsid         | char<br>8<br>none                | RMM           | RMM<br>Create<br>System ID         | RMM specific volume create system id.   |
| RVCrtime        | time<br>See notes below.<br>none | RMM           | RMM<br>Create<br>Time              | RMM specific volume create time.  |
| RVCruid         | char<br>8<br>none                | RMM           | RMM<br>Create<br>Userid            | RMM specific volume create userid.  |
| RVDersid        | char<br>8<br>none                | RMM           | RMM<br>File1 Create<br>Userid      | RMM specific volume first file create system id.  |
| RVDdefret       | bool<br>See notes below.<br>true | RMM           | RMM<br>Default<br>Retention        | RMM specific volume default retention is used.  |
| RVDden          | char<br>4<br>none                | RMM           | RMM<br>Recording<br>Density        | RMM specific volume recording density.  |
| RVDdest         | char<br>8<br>none                | RMM           | RMM<br>Destination<br>Name         | RMM specific destination location name. One of: shelf, local, remote, distant, or sms-defined library name.                                 |
| RVDdestbin      | char<br>6<br>none                | RMM           | RMM<br>Destination<br>Bin No.      | RMM specific destination bin number.  |
| RVDdestbinmedia | char<br>8<br>none                | RMM           | RMM<br>Dest Bin<br>Media           | RMM specific destination bin media number.  |
| RVDdestyp       | char<br>1<br>none                | RMM           | RMM<br>Destination<br>Type         | RMM specific destination type. One of: A-auto, M-manual, S-store or blank.  |
| RVDsnam1        | char<br>44<br>none               | RMM           | RMM<br>First file<br>Data set name | RMM specific first file data set name.  |
| RVDsnno         | int<br>5<br>none                 | RMM           | RMM<br>Number of<br>Datasets       | RMM specific number of datasets on volume. This is the new field of length 5.   |
| RVDsnnoOld      | int<br>7<br>none                 | RMM           | RMM<br>Number of<br>Datasets       | RMM specific number of datasets on volume. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVDsnrec        | bool<br>See notes below.<br>true | RMM           | RMM<br>DS<br>Recording             | RMM specific volume DS recording.   |
| RVErase         | bool<br>See notes below.<br>true | RMM           | RMM<br>Security<br>Erase           | RMM specific volume must be security erased.  |
| RVExpdt         | date<br>See notes below.<br>none | RMM           | RMM<br>Expiration<br>Date          | RMM specific volume expiration date.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>              | <b>Description</b>  |
|--------------|----------------------------------|---------------|------------------------------------|---|
| RVExpdto     | date<br>See notes below.<br>none | RMM           | RMM<br>Expiration<br>Date Original | RMM specific volume original expiration date.   |
| RVFeat       | char<br>4<br>none                | RMM           | RMM<br>Feature<br>Code             | RMM specific volume feature code.   |
| RVHloc       | char<br>8<br>none                | RMM           | RMM<br>Home<br>Location            | RMM specific home location name.  |
| RVHomtyp     | char<br>1<br>none                | RMM           | RMM<br>Home<br>Location Type       | RMM specific home location type. One of: A-<br>auto, M-manual, or blank.  |
| RVInit       | bool<br>See notes below.<br>true | RMM           | RMM<br>Reinitialize                | RMM specific volume should be reinitialized.  |
| RVirmuse     | bool<br>See notes below.<br>true | RMM           | RMM<br>IRMM<br>Use                 | RMM specific IRMM Use.  |
| RVKeyencod1  | char<br>5<br>none                | RMM           | RMM<br>Encrypt Key<br>Encoding 1   | RMM specific encrypt key encoding method 1.   |
| RVKeyencod2  | char<br>5<br>none                | RMM           | RMM<br>Encrypt Key<br>Encoding 2   | RMM specific encrypt key encoding method 2.   |
| RVKeyLabel1  | char<br>64<br>none               | RMM           | RMM<br>Encryption<br>Key Label 1   | RMM specific volume encryption key label 1  |
| RVKeyLabel2  | char<br>64<br>none               | RMM           | RMM<br>Encryption<br>Key Label 2   | RMM specific volume encryption key label 2.   |
| RVLlabel     | char<br>3<br>none                | RMM           | RMM<br>Label<br>Type               | RMM specific label type<br>SL/AL/NL/SUL/AUL.  |
| RVLabno1     | int<br>7<br>none                 | RMM           | RMM<br>Label No<br>First File      | RMM specific label number of first file. This<br>is the new field of length 5.  |
| RVLabno1Old  | int<br>7<br>none                 | RMM           | RMM<br>Label No<br>First File      | RMM specific label number of first file. This<br>is the old field of length 4 in the extract file.<br>This field is not applicable for the API. |
| RVLcdate     | date<br>See notes below.<br>none | RMM           | RMM<br>Last Change<br>Date         | RMM specific volume last changed date.  |
| RVLcdate1    | date<br>See notes below.<br>none | RMM           | RMM<br>Last Change<br>Date         | RMM specific volume last changed date.  |
| RVLcsid      | char<br>8<br>none                | RMM           | RMM<br>Last Change<br>Systemid     | RMM specific volume last changed systemid.<br>Only available in the extract file, not through<br>the API.                                       |
| RVLctime     | time<br>See notes below.<br>none | RMM           | RMM<br>Last Change<br>Time         | RMM specific volume last changed time. Only<br>available in the extract file, not through the<br>API.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>     | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>          | <b>Description</b>   |
|------------------|----------------------------------|---------------|--------------------------------|--|
| RVLcuid          | char<br>8<br>none                | RMM           | RMM<br>Last Change<br>Userid   | RMM specific volume last changed userid.                                     |
| RVLoan           | bool<br>See notes below.<br>true | RMM           | RMM<br>On<br>Loan              | RMM specific volume on loan.   |
| RVLoctyp         | char<br>1<br>none                | RMM           | RMM<br>Location<br>Type        | RMM specific location type. One of: A-auto, M-manual, S-store or blank.      |
| RVLonloc         | char<br>8<br>none                | RMM           | RMM<br>Loan<br>Location        | RMM specific loan location name.   |
| RVLrddat         | date<br>See notes below.<br>none | RMM           | RMM<br>Date<br>Last read       | RMM specific date volume last read.  |
| RVLudev          | char<br>4<br>none                | RMM           | RMM<br>Last Used<br>Drive      | RMM specific last used drive.  |
| RVLwtdat         | date<br>See notes below.<br>none | RMM           | RMM<br>Date<br>Last written    | RMM specific date volume last written.                                       |
| RVMedatr         | char<br>8<br>none                | RMM           | RMM<br>Media<br>Attribute      | RMM specific special attributes. One of: none, rdcompat.                     |
| RVMedcmp         | char<br>8<br>none                | RMM           | RMM<br>Compaction<br>Technique | RMM specific compaction technique. One of: *, none, idrc.                    |
| RVMedinf         | char<br>8<br>none                | RMM           | RMM<br>Media<br>Info           | RMM specific volume media information.                                       |
| RVMedrec         | char<br>8<br>none                | RMM           | RMM<br>Recording<br>Format     | RMM specific recording format. One of: *, 18track, 36track.                  |
| RVMedty          | char<br>8<br>none                | RMM           | RMM<br>Media<br>Type           | RMM specific media type. One of: *, cst, eccst.                              |
| RVMvmode         | char<br>1<br>none                | RMM           | RMM<br>Move<br>Mode            | RMM specific move mode. One of A-automove, M-manualmove.                     |
| RVMvsuse         | bool<br>See notes below.<br>true | RMM           | RMM<br>MVS<br>Use              | RMM specific volume used on MVS.   |
| RVName<br>RVUnit | char<br>8<br>none                | RMM           | RMM<br>Media<br>Name           | RMM specific volume media name.  |
| RVNextyp         | char<br>1<br>none                | RMM           | RMM<br>Next<br>Location Type   | RMM specific next location type. One of: A-auto, M-manual, S-store or blank. |
| RVNloc           | char<br>8<br>none                | RMM           | RMM<br>Required<br>Location    | RMM specific required location name as determined by VRS or command.         |
| RVNtfy           | bool<br>See notes below.<br>true | RMM           | RMM<br>Notify<br>Owner         | RMM specific volume should notify owner.                                     |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>             | <b>Description</b>   |
|--------------|----------------------------------|---------------|-----------------------------------|--|
| RVObin       | char<br>6<br>none                | RMM           | RMM<br>Old<br>Bin No.             | RMM specific old bin number.   |
| RVObmedn     | char<br>8<br>none                | RMM           | RMM<br>Previous Bin<br>Media Name | RMM specific volume previous bin media name.   |
| RVOcer       | bool<br>See notes below.<br>true | RMM           | RMM<br>Recorded<br>O/C/EOV        | RMM specific volume is recorded O/C/EOV.   |
| RVOInloc     | char<br>8<br>none                | RMM           | RMM<br>Old Loan<br>Location       | RMM specific old loan location name.   |
| RVOloc       | char<br>8<br>none                | RMM           | RMM<br>Old<br>Location            | RMM specific old location name.  |
| RVOpen       | bool<br>See notes below.<br>true | RMM           | RMM<br>Is<br>Opened               | RMM specific volume is opened.   |
| RVOwnac      | char<br>1<br>none                | RMM           | RMM<br>Owner<br>Access            | RMM specific owner access. One of R/U/A.   |
| RVOwnid      | char<br>8<br>none                | RMM           | RMM<br>Owner<br>Userid            | RMM specific volume owner userid.  |
| RVPendrs     | bool<br>See notes below.<br>true | RMM           | RMM<br>Pending<br>Release         | RMM specific volume pending release.   |
| RVPercent    | int<br>5<br>avg                  | RMM           | RMM<br>Percentage<br>Full         | RMM specific percentage full.  |
| RVPpnum      | char<br>8<br>none                | RMM           | RMM<br>Program<br>Product         | RMM specific program product number.   |
| RVPptape     | bool<br>See notes below.<br>true | RMM           | RMM<br>Program<br>Product         | RMM specific volume is a program product tape.   |
| RVPPrerr     | int<br>5<br>sum                  | RMM           | RMM<br>Permanent<br>Read Errors   | RMM specific number of permanent read errors for the volume. This is the new one of length 5.  |
| RVPPrerrOld  | int<br>5<br>sum                  | RMM           | RMM<br>Permanent<br>Read Errors   | RMM specific number of permanent read errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API.  |
| RVPwerr      | int<br>5<br>sum                  | RMM           | RMM<br>Permanent<br>Write Errors  | RMM specific number of permanent write errors for the volume. This is the new one of length 5.   |
| RVPwerrOld   | int<br>5<br>sum                  | RMM           | RMM<br>Permanent<br>Write Errors  | RMM specific number of permanent write errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API. |
| RVRack       | char<br>6<br>none                | RMM           | RMM<br>Rack<br>Number             | RMM specific volume rack number.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>      | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>           | <b>Description</b>  |
|-------------------|----------------------------------|---------------|---------------------------------|---|
| RVRbyset          | bool<br>See notes below.<br>true | RMM           | RMM<br>Retained<br>By Set       | RMM specific volume retained by set.  |
| RVRelixd          | bool<br>See notes below.<br>true | RMM           | RMM<br>Ignore<br>Expdt          | RMM specific volume VRS release option ignore expdt.  |
| RVRelsi           | bool<br>See notes below.<br>true | RMM           | RMM<br>Scratch<br>Immediate     | RMM specific volume VRS release option scratch immediate.   |
| RVRrepl           | bool<br>See notes below.<br>true | RMM           | RMM<br>Replace on<br>Release    | RMM specific volume should be replaced on release.  |
| RVRets            | char<br>8<br>none                | RMM           | RMM<br>Return<br>Action         | RMM specific volume return action - owner/scratch.  |
| RVRqprty          | char<br>4<br>none                | RMM           | RMM<br>Movement<br>Priority     | RMM specific movement priority. Only available in the extract file, not through the API.              |
| RVSeclev          | char<br>8<br>none                | RMM           | RMM<br>Sec Level<br>Short       | RMM specific security level - short.  |
| RVSeclng          | char<br>30<br>none               | RMM           | RMM<br>Sec Level<br>Long        | RMM specific security level - long.   |
| RVSgname          | char<br>8<br>none                | RMM           | RMM<br>Storage<br>Group         | RMM specific storage group name.  |
| RVStackedvolcount | int<br>10<br>sum                 | RMM           | RMM<br>Stacked<br>Vol Count     | RMM specific count of volumes stacked on a volume. Maintained if stacked volume fully enabled.        |
| RVStackvolEnabled | bool<br>See notes below.<br>true | RMM           | RMM<br>Stacked<br>Enabled       | RMM specific stacked volume record enabled and synchronized.  |
| RVStatus          | char<br>8<br>none                | RMM           | RMM<br>Volume<br>Status         | RMM specific volume status. One of MASTER, USER, SCRATCH, INIT, ENTRY.                                |
| RVStbin           | char<br>6<br>none                | RMM           | RMM<br>Store<br>Bin No.         | RMM specific store bin number.  |
| RVStdate          | date<br>See notes below.<br>none | RMM           | RMM<br>Date<br>Stored           | RMM specific date stored.   |
| RVStorid          | char<br>8<br>none                | RMM           | RMM<br>Store<br>Location        | RMM specific Store location name. One of: shelf, local, remote, distant, or sms-defined library name. |
| RVTrans           | bool<br>See notes below.<br>true | RMM           | RMM<br>In<br>Transit            | RMM specific volume in transit.   |
| RVTerrr           | int<br>5<br>sum                  | RMM           | RMM<br>Temporary<br>Read Errors | RMM specific number of temporary read errors for the volume. This is the new field of length five.    |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>            | <b>Description</b>   |
|--------------|----------------------------------|---------------|----------------------------------|--|
| RVTrerrOld   | int<br>5<br>sum                  | RMM           | RMM<br>Temporary<br>Read Errors  | RMM specific number of temporary read errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API.    |
| RVTuse       | int<br>10<br>none                | RMM           | RMM<br>Usage<br>In KBytes        | RMM specific tape usage in kbytes.   |
| RVTwerr      | int<br>5<br>sum                  | RMM           | RMM<br>Temporary<br>Write Errors | RMM specific number of temporary write errors for the volume. This is the new one of length 5.   |
| RVTwerrOld   | int<br>5<br>sum                  | RMM           | RMM<br>Temporary<br>Write Errors | RMM specific number of temporary write errors for the volume. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVType       | char<br>1<br>none                | RMM           | RMM<br>Record<br>Type            | RMM specific record type, V for volume, X for extended records.  |
| RVUse        | int<br>5<br>none                 | RMM           | RMM<br>Use<br>Count              | RMM specific use count. This is the new field with length 5.   |
| RVUsefld     | char<br>30<br>none               | RMM           | RMM<br>User<br>Description       | RMM specific volume user description.  |
| RVUseOld     | int<br>4<br>none                 | RMM           | RMM<br>Use<br>Count Old          | RMM specific use count. This is the old field with length 4 in the extract file. This field is not applicable for the API.                                     |
| RVUserac     | char<br>1<br>none                | RMM           | RMM<br>User<br>Access            | RMM specific user access. One of R/U.  |
| RVVendor     | char<br>8<br>none                | RMM           | RMM<br>Vendor<br>Info            | RMM specific vendor information.   |
| RVVer        | char<br>6<br>none                | RMM           | RMM<br>V/R/M<br>Number           | RMM specific version/release/mod number.   |
| RVVmuse      | bool<br>See notes below.<br>true | RMM           | RMM<br>VM<br>Use                 | RMM specific volume used on VM.  |
| RVVol1       | char<br>6<br>none                | RMM           | RMM<br>Vol1<br>Label             | RMM specific vol1 label volser.  |
| RVVolseq     | int<br>4<br>none                 | RMM           | RMM<br>Volume<br>Sequence        | RMM specific volume sequence number.   |
| RVVolser     | char<br>6<br>none                | RMM           | RMM<br>Volume<br>Serial          | RMM specific volume serial number  |
| RVVoltype    | char<br>1<br>none                | RMM           | RMM<br>Volume<br>Type            | RMM specific volume type. One of: L-logical, P-physical, S-stacked.  |
| RVVrs        | bool<br>See notes below.<br>true | RMM           | RMM<br>Vital<br>Record           | RMM specific volume covered by vital record.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>                             | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b>                        | <b>Report Heading</b>           | <b>Description</b>   |
|--|----------------------------------|--------------------------------------|---------------------------------|--|
| RVVrsrel                                 | char<br>8<br>none                | RMM                                  | RMM<br>Release<br>Options       | RMM specific volume release options.   |
| RVVwmc                                   | int<br>7<br>none                 | RMM                                  | RMM<br>Write Mount<br>Count     | RMM specific write mount count.  |
| RVWorm                                   | bool<br>See notes below.<br>true | RMM                                  | RMM<br>WORM                     | RMM specific WORM.   |
| RVWwid                                   | char<br>24<br>none               | RMM                                  | RMM<br>Unique<br>World ID       | RMM specific unique world wide id.   |
| Scratch<br>SCR                           | bool<br>See notes below.<br>true | HSC,<br>MVC,<br>Open,<br>TMS,<br>VTV | Scratch                         | The volume is classified as a scratch volume by LCM.   |
| Scatched<br>SCRED                        | bool<br>See notes below.<br>true | LCM                                  | Scatched                        | LCM marked the volume as scratch in the HSC or VSM.  |
| SelectCount<br>SCOUNT                    | int<br>5<br>none                 | HSC                                  | Select<br>Count                 | The number of times the volume has been selected by the HSC.   |
| SelectDate<br>SDATE                      | date<br>See notes below.<br>none | HSC                                  | Select<br>Date                  | The date the volume was last selected in an LSM.   |
| Selected                                 | bool<br>See notes below.<br>true | HSC                                  | Volume<br>Currently<br>Selected | The volume is currently selected.  |
| SelectTime<br>STIME                      | time<br>See notes below.<br>none | HSC                                  | Select<br>Time                  | The time of day the volume was selected by the HSC.  |
| Serial<br>SER<br>VOL<br>VOLSER<br>VOLUME | char<br>6<br>none                | HSC,<br>MVC,<br>TMS,<br>VTV          | Volume<br>Serial                | The 6-character identifier of a tape volume.   |
| Serial1<br>SER1                          | char<br>6<br>none                | TMS                                  | First<br>Serial                 | The 6-character identifier of the first volume of the volume set associated with this volume.  |
| SL8500Cell                               | char<br>24<br>none               | HSC                                  | SL8500 Cell                     | The physical cell location of a volume that resides in an SL8500 library. The value of this field is missing for volumes that do not reside in an SL8500.      |
| Slot                                     | char<br>8<br>none                | TMS                                  | Slot                            | The value assigned to a tape volume by the tape management system to pinpoint the storage place for the volume.  |
| Subpool<br>SP                            | char (alternate)<br>16<br>none   | LCM                                  | Subpool                         | The name of the Subpool managing a group of volume serial numbers. This is defined in the LCM Subpool object (Explorer) or Subpool statement (Parameter File). |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                        | Type<br>Size<br>Summary          | Source | Report Heading              | Description   |
|------------------------------|----------------------------------|--------|-----------------------------|---|
| SubpoolId<br>SPID            | char (alternate)<br>13<br>none   | HSC    | Subpool<br>ID               | Volume subpool ID from the HSC. This will be the 13-character name of the pool if using HSC SCRPOOL statements, or the 3-digit subpool index number if using SLSUX03.                         |
| SubpoolLabelType<br>SPLBLTYP | char (alternate)<br>3<br>none    | HSC    | Subpool<br>Label Type       | Volume subpool label type from the HSC.   |
| TapeGroup<br>TG              | char (alternate)<br>25<br>none   | LCM    | Tape Group                  | The name of the tape group of a volume.<br>Explorer: This is defined on the Media tab of the Subpool object. Parameter File: This is defined in the Media parameter of the Subpool statement. |
| TemporaryReadErrors          | int<br>5<br>sum                  | TMS    | Temporary<br>Read Errors    | The number of temporary read errors for the volume.   |
| TemporaryWriteErrors         | int<br>5<br>sum                  | TMS    | Temporary<br>Write Errors   | The number of temporary write errors for the volume.  |
| TM#Dsns                      | int<br>3<br>none                 | CA1    | CA1<br>Number<br>DSN Blocks | CA-1-specific number of data set name blocks.   |
| TM128trk                     | bool<br>See notes below.<br>true | CA1    | CA1<br>Trtch<br>Tm128trk    | CA-1-specific recording technique. x'E8' indicates Trk 3590 cartridge tape.   |
| TM18trk                      | bool<br>See notes below.<br>true | CA1    | CA1<br>Trtch<br>Tm18trk     | CA-1-specific recording technique. x'C0' indicates 3480 cartridge tape - 18 tracks.   |
| TM3590                       | bool<br>See notes below.<br>true | CA1    | CA1<br>Den<br>TM3590        | CA-1-specific recording density. x'E8' indicates 3590 cartridge tape.   |
| TM36Trk                      | bool<br>See notes below.<br>true | CA1    | CA1<br>Trtch<br>Tm36trk     | CA-1-specific recording technique. x'E0' indicates 3490 cartridge tape - 36 tracks.   |
| TM36trk2                     | bool<br>See notes below.<br>true | CA1    | CA1<br>Trtch<br>Tm36trk2    | CA-1-specific recording technique. x'E1' indicates 3490E cartridge tape - 36 tracks (extended length).  |
| TM38000                      | bool<br>See notes below.<br>true | CA1    | CA1<br>Den<br>TM38000       | CA-1-specific recording density. x'E3' indicates 38K bpi (cartridge).   |
| TM38KC                       | bool<br>See notes below.<br>true | CA1    | CA1<br>Den<br>TM38KC        | CA-1-specific recording density. x'E7' indicates 38K bpi (cartridge-compacted).   |
| TM9trk                       | bool<br>See notes below.<br>true | CA1    | CA1<br>Trtch<br>Tm9trk      | CA-1-specific recording technique. x'80' indicates nine track tape.   |
| TMAbend                      | bool<br>See notes below.<br>true | CA1    | CA1<br>Flag1<br>TMAbend     | CA-1-specific internal flag bit x'10'. Volume closed by abend.  |
| TMActv11                     | char<br>5<br>none                | CA1    | CA1<br>Actv11               | CA-1-specific actual internal volser  |
| TMActv12                     | char<br>1<br>none                | CA1    | CA1<br>Actv12               | CA-1-specific actual internal volser  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>        | <b>Description</b>  |
|--------------|----------------------------------|---------------|------------------------------|---|
| TMAcvoli     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag4<br>TmAcvoli     | CA-1-specific internal flag4 bit x'40'. Actual volser in use.   |
| TMAdsnb      | int<br>8<br>none                 | CA1           | CA1<br>Address<br>First DSNB | CA-1-specific address (relative to BASE in TMSCTL#2) of first DSNB record associated with this volume record. |
| TMAldsnb     | int<br>8<br>none                 | CA1           | CA1<br>Address<br>Last DSNB  | CA-1-specific address (relative to BASE in TMSCTL#2) of last DSNB record associated with this volume record.  |
| TMB1Dis      | int<br>9<br>none                 | CA1           | CA1<br>B1Dis                 | CA-1-specific B1 security disclosure label.   |
| TMB1Int      | int<br>9<br>none                 | CA1           | CA1<br>B1Int                 | CA-1-specific B1 security integrity label.  |
| TMBadtap     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag3<br>TmBadtap     | CA-1-specific internal flag3 bit x'80'. CA-9/R+ indicated bad tape, do not mount for scratch.                 |
| TMBlkcnt     | int<br>10<br>none                | CA1           | CA1<br>Block<br>Count        | CA-1-specific data set block count.   |
| TMBlksi      | int<br>5<br>none                 | CA1           | CA1<br>Block<br>Size         | CA-1-specific maximum block size.   |
| TMBthdt      | date<br>See notes below.<br>none | CA1           | CA1<br>Birth<br>Date         | CA-1-specific date tape was first used.   |
| TMCatlog     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag2<br>TmCatlog     | CA-1-specific internal flag2 bit x'80'. Data set was on MVS catalog.  |
| TMClean      | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag1<br>TmClean      | CA-1-specific internal flag bit x'08'. Volume listed to be cleaned.   |
| TMClncnt     | int<br>3<br>none                 | CA1           | CA1<br>Clean<br>Count        | CA-1-specific number of times tape cleaned.   |
| TMClosed     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag1<br>TmClosed     | CA-1-specific internal flag bit x'40'. Volume closed normally.  |
| TMCpgm       | char<br>8<br>none                | CA1           | CA1<br>Create<br>PGM         | CA-1-specific creating program name.  |
| TMCrtdt      | date<br>See notes below.<br>none | CA1           | CA1<br>Create<br>Date        | CA-1-specific creation date.  |
| TMCrtti      | time<br>See notes below.<br>none | CA1           | CA1<br>Create<br>Time        | CA-1-specific creation time.  |
| TMCruni      | char (alternate)<br>4<br>none    | CA1           | CA1<br>Create<br>Unit        | CA-1-specific address of creation unit.   |
| TMDatcln     | date<br>See notes below.<br>none | CA1           | CA1<br>Last Clean<br>Date    | CA-1-specific date tape was last cleaned.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>       | <b>Description</b>   |
|--------------|----------------------------------|---------------|-----------------------------|--|
| TMDdname     | char<br>8<br>none                | CA1           | CA1<br>Create<br>Ddname     | CA-1-specific creating ddname.   |
| TMDegau      | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag4<br>Degaussed   | CA-1-specific internal flag4 bit x'10'. Tape has been degaussed.                     |
| TMDelet      | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag1<br>Deleted     | CA-1-specific internal flag bit x'02'. Volume in delete (inactive) status            |
| TMDen        | char (alternate)<br>2<br>none    | CA1           | CA1<br>Recording<br>Density | CA-1-specific recording density.   |
| TMDfault     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag1<br>Tmdfault    | CA-1-specific internal flag bit x'01'. Volume eligible for RDS override.             |
| TMDfexu      | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag3<br>TmDfexu     | CA-1-specific internal flag3 bit x'04'. Default expiration date used at open output. |
| TMDsn        | char<br>44<br>none               | CA1           | CA1<br>Data Set<br>Name     | CA-1-specific data set name.   |
| TMDsn17      | char<br>17<br>none               | CA1           | CA1<br>DSN17                | CA-1-specific last 17 bytes of dsn.  |
| TMDynam      | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag3<br>TmDynam     | CA-1-specific internal flag3 bit x'10'. Controlled by CA-DYNAM/T.                    |
| TMEcatlg     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag2<br>TmEcatlg    | CA-1-specific internal flag2 bit x'08'. Expired from catalog control (TMSCTLG).      |
| TMEcycle     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag2<br>TmEcycle    | CA-1-specific internal flag2 bit x'04'. Expired from cycle control (TMSCYCLE).       |
| TMEdmid      | char<br>4<br>none                | CA1           | CA1<br>EDM<br>ID            | CA-1-specific external data manager id.  |
| TMEdmtap     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag3<br>TmEdmtap    | CA-1-specific internal flag3 bit x'20'. Controlled by external data manager.         |
| TMEldate     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag2<br>TmEldate    | CA-1-specific internal flag bit x'02'. Expired from LDATE control (TMSCLEAN).        |
| TMErase      | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag3<br>TmErase     | CA-1-specific internal flag3 bit x'08'. Data set erase required.                     |
| TMEsms       | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag4<br>TmEsms      | CA-1-specific internal flag4 bit x'80'. Tape expired by SMS max retention rules.     |
| TMEtms       | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag2<br>TmEtms      | CA-1-specific internal flag bit x'01'. Expired by TMS.                               |
| TMExpdt      | date<br>See notes below.<br>none | CA1           | CA1<br>Expire<br>Date       | CA-1-specific expiration date.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field    | Type<br>Size<br>Summary          | Source | Report Heading              | Description  |
|----------|----------------------------------|--------|-----------------------------|--|
| TMFilcpy | bool<br>See notes below.<br>true | CA1    | CA1<br>Flag3<br>TmFilcpy    | CA-1-specific internal flag3 bit x'01'. Created by CA-1/Copycat.                     |
| TMFlag1  | char (alternate)<br>2<br>none    | CA1    | CA1<br>Flag1                | CA-1-specific internal flag byte.  |
| TMFlag2  | char (alternate)<br>2<br>none    | CA1    | CA1<br>Flag2                | CA-1-specific internal flag byte.  |
| TMFlag3  | char (alternate)<br>2<br>none    | CA1    | CA1<br>Flag3                | CA-1-specific internal flag byte.  |
| TMFlag4  | char (alternate)<br>2<br>none    | CA1    | CA1<br>Flag4                | CA-1-specific internal flag byte.  |
| TMFlag5  | char (alternate)<br>2<br>none    | CA1    | CA1<br>Flag5                | CA-1-specific internal flag byte.  |
| TMFlag6  | char (alternate)<br>2<br>none    | CA1    | CA1<br>Flag6                | CA-1-specific internal flag byte.  |
| TMFrsvol | char<br>6<br>none                | CA1    | CA1<br>First<br>Serial      | CA-1-specific first volser of data set.  |
| TMIntal  | bool<br>See notes below.<br>true | CA1    | CA1<br>Flag1<br>TmIntal     | CA-1-specific internal flag1 bit x'00'. Internal field changed by user.              |
| TMInuse  | bool<br>See notes below.<br>true | CA1    | CA1<br>Flag4<br>TmInuse     | CA-1-specific internal flag4 bit x'02'. Tape is in use for RTS (Real Time Stacking). |
| TMlscat  | bool<br>See notes below.<br>true | CA1    | CA1<br>Flag4<br>TmIscat     | CA-1-specific internal flag4 bit x'08'. File on OS catalog.                          |
| TMJobnm  | char<br>8<br>none                | CA1    | CA1<br>Creating<br>Job Name | CA-1-specific creating job name.   |
| TMLasusd | date<br>See notes below.<br>none | CA1    | CA1<br>Last<br>Used         | CA-1-specific date last used.  |
| TMLasusj | char<br>8<br>none                | CA1    | CA1<br>Last<br>Job          | CA-1-specific job name which last used volume.                                       |
| TMLasust | time<br>See notes below.<br>none | CA1    | CA1<br>Last<br>Time         | CA-1-specific time last used.  |
| TMLpgm   | char<br>8<br>none                | CA1    | CA1<br>Last<br>PGM          | CA-1-specific last used program name.  |
| TMLrecl  | int<br>5<br>none                 | CA1    | CA1<br>LRECL                | CA-1-specific logical record length.   |
| TMLtype  | char<br>3<br>none                | CA1    | CA1<br>Label                | CA-1-specific tape label type. One of SL, SUL, NL, NSL, BLP, AL1, AU1, AL3, AU3.     |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>            | <b>Description</b>   |
|--------------|----------------------------------|---------------|----------------------------------|--|
| TMNostak     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag4<br>TmNostak         | CA-1-specific internal flag4 bit x'01'. No further stacking allowed.                                   |
| TMNrs        | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag4<br>TmNrs            | CA-1-specific internal flag4 bit x'04'. Non-resident tape.   |
| TMNxtVol     | char<br>6<br>none                | CA1           | CA1<br>Next<br>Serial            | CA-1-specific next volser of data set.   |
| TMOutar      | char<br>4<br>none                | CA1           | CA1<br>Outcode                   | CA-1-specific location id of out-of-area tape.   |
| TMOudat      | date<br>See notes below.<br>none | CA1           | CA1<br>Outdate                   | CA-1-specific date tape was marked out-of-area.  |
| TMOuput      | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag2<br>TmOutput         | CA-1-specific internal flag2 bit x'40'. Volume opened for output.                                      |
| TMPrrerc     | int<br>5<br>none                 | CA1           | CA1<br>Perm Read<br>Since Clean  | CA-1-specific number of permanent read errors since cleaned.   |
| TMPrreri     | int<br>5<br>none                 | CA1           | CA1<br>Perm Read<br>Since Init   | CA-1-specific number of permanent read errors since initialized.                                       |
| TMPrvvol     | char<br>6<br>none                | CA1           | CA1<br>Previous<br>Serial        | CA-1-specific previous volser of data set.   |
| TMPwerrc     | int<br>5<br>none                 | CA1           | CA1<br>Perm Write<br>Since Clean | CA-1-specific number of permanent write errors since cleaned.  |
| TMPwerri     | int<br>5<br>none                 | CA1           | CA1<br>Perm Write<br>Since Init  | CA-1-specific number of permanent write errors since initialized.                                      |
| TMRecfm      | char<br>3<br>none                | CA1           | CA1<br>RECFM                     | CA-1-specific record format. One of V, VA, VS, VB, VBM, VBA, VBS, F, FM, FA, FS, FB, FBM, FBA, FBS, U. |
| TMRedwd1     | bool<br>See notes below.<br>true | CA1           | CA1<br>Trtch<br>TmRedwd1         | CA-1-specific recording technique. x'E4' indicates Redwood 12.5G capacity.                             |
| TMRedwd2     | bool<br>See notes below.<br>true | CA1           | CA1<br>Trtch<br>TmRedwd2         | CA-1-specific recording technique. x'E5' indicates Redwood 25G capacity.                               |
| TMRedwd3     | bool<br>See notes below.<br>true | CA1           | CA1<br>Trtch<br>TmRedwd3         | CA-1-specific recording technique. x'E6' indicates Redwood 50G capacity.                               |
| TMRelevm     | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag3<br>TmRelevm         | CA-1-specific internal flag3 bit x'40'. Tape released by external vault manager.                       |
| TMReuse      | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag2<br>TmReuse          | CA-1-specific internal flag2 bit x'20'. Data set recreated.  |
| TMRobid      | int<br>2<br>none                 | CA1           | CA1<br>Robid                     | CA-1-specific robotic device indicator.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>         | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>            | <b>Description</b>   |
|----------------------|----------------------------------|---------------|----------------------------------|--|
| TMRoby               | int<br>2<br>none                 | CA1           | CA1<br>Robty                     | CA-1-specific tape in robotic device.                                      |
| TMSBad               | bool<br>See notes below.<br>true | Open,<br>TMS  | TMS Bad                          | The volume has been marked defective in the tape management system.        |
| TMScrch              | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag1<br>Scratch          | CA-1-specific internal flag bit x'04'. Volume in scratch status.           |
| TMSExpired           | bool<br>See notes below.<br>true | Open,<br>TMS  | TMS Expired                      | The volume is marked expired in the tape management system.                |
| TMSlot               | char<br>8<br>none                | CA1           | CA1<br>Slot                      | CA-1-specific vault slot number.   |
| TMSmsmc              | char<br>8<br>none                | CA1           | CA1<br>SMS Mgt<br>Class          | CA-1-specific SMS management class.  |
| TMSName              | char (alternate)<br>10<br>none   | LCM           | TMS<br>Name                      | The name of the tape management system defined on the TMS statement.       |
| TMSReel              | bool<br>See notes below.<br>true | Open,<br>TMS  | TMS Reel                         | The volume is marked as a 9-track reel tape in the tape management system. |
| TMSScratch<br>TMSSCR | bool<br>See notes below.<br>true | TMS           | TMS<br>Scratch                   | The tape management system has the scratch flag set for this volume.       |
| TMStack              | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag5<br>TmStack          | CA-1-specific internal flag5 bit x'80'. Tape has been used by RTS.         |
| TMStpnam             | char<br>8<br>none                | CA1           | CA1<br>Creating<br>Step          | CA-1-specific creating step name.  |
| TMSUse               | int<br>5<br>none                 | Open,<br>TMS  | TMS Use<br>Count                 | The number of times the volume has been used.                              |
| TMTempds             | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag2<br>Temp DS          | CA-1-specific internal flag2 bit x'10'. Temporary data set.                |
| TMTrerrc             | int<br>5<br>none                 | CA1           | CA1<br>Temp Read<br>Since Clean  | CA-1-specific number of temporary read errors since cleaned.               |
| TMTrerri             | int<br>5<br>none                 | CA1           | CA1<br>Temp Read<br>Since Init   | CA-1-specific number of temporary read errors since initialized.           |
| TMTrtch              | char (alternate)<br>2<br>none    | CA1           | CA1<br>TRTCH                     | CA-1-specific recording technique.   |
| TMTwercc             | int<br>5<br>none                 | CA1           | CA1<br>Temp Write<br>Since Clean | CA-1-specific number of temporary write errors since cleaned.              |
| TMTwerri             | int<br>5<br>none                 | CA1           | CA1<br>Temp Write<br>Since Init  | CA-1-specific number of temporary write errors since initialized.          |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>     | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>      | <b>Description</b>  |
|------------------|----------------------------------|---------------|----------------------------|---|
| TMUcount         | int<br>5<br>none                 | CA1           | CA1<br>Uses Since<br>Birth | CA-1-specific number of times tape opened since birthdate.                    |
| TMUltif          | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag3<br>TmUltif    | CA-1-specific internal flag3 bit x'02'. Additional files exist in volume set. |
| TMUpdate         | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag1<br>TmUpdate   | CA-1-specific internal flag bit x'20'. Volume record updated by user.         |
| TMUsecln         | int<br>2<br>none                 | CA1           | CA1<br>Uses Since<br>Clean | CA-1-specific use count at last cleaning.                                     |
| TMUser<br>TMAcct | char<br>50<br>none               | CA1           | CA1<br>Acct                | CA-1-specific user job accounting area.                                       |
| TMUsuni          | char (alternate)<br>4<br>none    | CA1           | CA1<br>Last<br>Unit        | CA-1-specific address of unit last used.                                      |
| TMVabtch         | int<br>2<br>none                 | CA1           | CA1<br>Batchid             | CA-1-specific id of last CA-1 program to update record.                       |
| TMVacode         | int<br>2<br>none                 | CA1           | CA1<br>Aucode              | CA-1-specific audit code.   |
| TMVacpu          | char<br>4<br>none                | CA1           | CA1<br>CPU ID              | CA-1-specific id of CPU used for last update.                                 |
| TMVadate         | date<br>See notes below.<br>none | CA1           | CA1<br>Last Update<br>Date | CA-1-specific date of last update.  |
| TMVafgl          | int<br>3<br>none                 | CA1           | CA1<br>Auflag1             | CA-1-specific audit flag.   |
| TMVahook         | int<br>3<br>none                 | CA1           | CA1<br>Hookid              | CA-1-specific id of last intercept to update record.                          |
| TMVatime         | time<br>See notes below.<br>none | CA1           | CA1<br>Last Update<br>Time | CA-1-specific time of last update.  |
| TMVauser         | char<br>8<br>none                | CA1           | CA1<br>Userid              | CA-1-specific id of last user to update record.                               |
| TMVendor         | char<br>8<br>none                | CA1           | CA1<br>Vendor              | CA-1-specific tape vendor name.   |
| TMVolsq          | int<br>3<br>none                 | CA1           | CA1<br>Seq<br>Num          | CA-1-specific volume sequence number.   |
| TMVolser         | char<br>6<br>none                | CA1           | CA1<br>Volume<br>Serial    | CA-1-specific volume serial number.   |
| TMVsr            | bool<br>See notes below.<br>true | CA1           | CA1<br>Flag4<br>TmVsr      | CA-1-specific internal flag4 bit x'20'. Vault specific request.               |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>           | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b>   | <b>Report Heading</b>                 | <b>Description</b>                                      |
|------------------------|----------------------------------|-----------------|---------------------------------------|---|
| Unscratched<br>UNSCRED | bool<br>See notes below.<br>true | LCM             | Unscratched                           | LCM marked the volume as not scratch in the HSC or VSM. |
| UserBool1              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 1    | User-defined Boolean field for a volume.                |
| UserBool10             | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 10   | User-defined Boolean field for a volume.                |
| UserBool2              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 2    | User-defined Boolean field for a volume.                |
| UserBool3              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 3    | User-defined Boolean field for a volume.                |
| UserBool4              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 4    | User-defined Boolean field for a volume.                |
| UserBool5              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 5    | User-defined Boolean field for a volume.                |
| UserBool6              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 6    | User-defined Boolean field for a volume.                |
| UserBool7              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 7    | User-defined Boolean field for a volume.                |
| UserBool8              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 8    | User-defined Boolean field for a volume.                |
| UserBool9              | bool<br>See notes below.<br>true | Custom,<br>Open | User-Defined<br>Boolean<br>Field 9    | User-defined Boolean field for a volume.                |
| UserChar1              | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 1  | User-defined character field for a volume.              |
| UserChar10             | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 10 | User-defined character field for a volume.              |
| UserChar2              | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 2  | User-defined character field for a volume.              |
| UserChar3              | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 3  | User-defined character field for a volume.              |
| UserChar4              | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 4  | User-defined character field for a volume.              |
| UserChar5              | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 5  | User-defined character field for a volume.              |
| UserChar6              | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 6  | User-defined character field for a volume.              |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b>   | <b>Report Heading</b>                | <b>Description</b>                         |
|--------------|----------------------------------|-----------------|--------------------------------------|--|
| UserChar7    | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 7 | User-defined character field for a volume. |
| UserChar8    | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 8 | User-defined character field for a volume. |
| UserChar9    | char<br>20<br>none               | Custom,<br>Open | User-Defined<br>Character<br>Field 9 | User-defined character field for a volume. |
| UserDate1    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 1      | User-defined date field for a volume.      |
| UserDate10   | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 10     | User-defined date field for a volume.      |
| UserDate2    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 2      | User-defined date field for a volume.      |
| UserDate3    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 3      | User-defined date field for a volume.      |
| UserDate4    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 4      | User-defined date field for a volume.      |
| UserDate5    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 5      | User-defined date field for a volume.      |
| UserDate6    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 6      | User-defined date field for a volume.      |
| UserDate7    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 7      | User-defined date field for a volume.      |
| UserDate8    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 8      | User-defined date field for a volume.      |
| UserDate9    | date<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Date<br>Field 9      | User-defined date field for a volume.      |
| UserInt1     | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 1   | User-defined integer field for a volume.   |
| UserInt10    | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 10  | User-defined integer field for a volume.   |
| UserInt2     | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 2   | User-defined integer field for a volume.   |
| UserInt3     | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 3   | User-defined integer field for a volume.   |
| UserInt4     | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 4   | User-defined integer field for a volume.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>        | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b>   | <b>Report Heading</b>              | <b>Description</b>  |
|---------------------|----------------------------------|-----------------|------------------------------------|---|
| UserInt5            | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 5 | User-defined integer field for a volume.                      |
| UserInt6            | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 6 | User-defined integer field for a volume.                      |
| UserInt7            | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 7 | User-defined integer field for a volume.                      |
| UserInt8            | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 8 | User-defined integer field for a volume.                      |
| UserInt9            | int<br>7<br>none                 | Custom,<br>Open | User-Defined<br>Integer<br>Field 9 | User-defined integer field for a volume.                      |
| UserTime1           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 1    | User-defined time field for a volume.                         |
| UserTime10          | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 10   | User-defined time field for a volume.                         |
| UserTime2           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 2    | User-defined time field for a volume.                         |
| UserTime3           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 3    | User-defined time field for a volume.                         |
| UserTime4           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 4    | User-defined time field for a volume.                         |
| UserTime5           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 5    | User-defined time field for a volume.                         |
| UserTime6           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 6    | User-defined time field for a volume.                         |
| UserTime7           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 7    | User-defined time field for a volume.                         |
| UserTime8           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 8    | User-defined time field for a volume.                         |
| UserTime9           | time<br>See notes below.<br>none | Custom,<br>Open | User-Defined<br>Time<br>Field 9    | User-defined time field for a volume.                         |
| VaultAssignmentDate | date<br>See notes below.<br>none | HSC             | Vault<br>Assignment<br>Date        | The Date the volume was first assigned to the External Vault. |
| VaultAssignmentTime | time<br>See notes below.<br>none | HSC             | Vault<br>Assignment<br>Time        | Time the volume was first assigned to the External Vault.     |
| VaultEjectedDate    | date<br>See notes below.<br>none | HSC             | Vault<br>Ejected<br>Date           | The date the volume was ejected to the External Vault.        |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>                   | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>            | <b>Description</b>  |
|--------------------------------|----------------------------------|---------------|----------------------------------|---|
| VaultEjectedTime               | time<br>See notes below.<br>none | HSC           | Vault<br>Ejected<br>Time         | Time the volume was ejected to the External Vault.  |
| VaultName                      | char<br>8<br>none                | HSC           | Vault<br>Name                    | The name of the vault.  |
| VaultReturnDate                | date<br>See notes below.<br>none | HSC           | Vault<br>Return<br>Date          | The Date the volume can be returned to the External Vault.  |
| VaultSlot                      | char<br>10<br>none               | HSC           | Vault<br>Slot                    | The assigned External Vault Slot value.   |
| VolumeSequenceNumber<br>VOLSEQ | int<br>3<br>none                 | TMS           | Seq<br>Num                       | The volume sequence number of the volume.   |
| VTV                            | bool<br>See notes below.<br>true | VTV           | VTV                              | The volume is a Virtual Tape Volume (VTV), as reported by VSM.  |
| VTVCompressionPercentage       | int<br>2<br>avg                  | VTV           | VTV<br>Compression<br>Percentage | This field is valid only if LCM is running with NCS 6.2 or later.<br>This is the difference between the uncompressed and compressed VTV size expressed as a percentage of the uncompressed VTV size. For example, if a 100MB VTV compresses to 40MB, then the compression percentage will be given as 60%. A compression of 0% indicates that no compression was possible on the VTV. |
| VTVConsolidated                | bool<br>See notes below.<br>true | VTV           | VTV<br>Consolidated              | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether a VTV is currently consolidated.   |
| VTVDuplexed                    | bool<br>See notes below.<br>true | VTV           | VTV<br>Duplexed                  | The VTV has at least 2 copies.  |
| VTVExportRejected1             | bool<br>See notes below.<br>true | VTV           | VTV<br>EExport<br>Rejected1      | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV EExport to TapePlex1 was rejected.   |
| VTVExportRejected2             | bool<br>See notes below.<br>true | VTV           | VTV<br>EExport<br>Rejected2      | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV EExport to TapePlex2 was rejected.   |
| VTVExportStatus                | char<br>12<br>none               | VTV           | VTV<br>EExport<br>Status         | This field is valid only if LCM is running with NCS 6.2 or later.<br>EExport Status of VTV.<br><br>C<br>Replication has completed.<br>R<br>Replication is required but not started<br>S<br>Replication has started  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| <b>Field</b>                                     | <b>Type<br/>Size<br/>Summary</b> | <b>Source</b> | <b>Report Heading</b>        | <b>Description</b>  |
|--|----------------------------------|---------------|------------------------------|---|
| VTVEExportTapePlex1                              | char<br>8<br>none                | VTV           | VTV<br>EExport<br>TapePlex 1 | This field is valid only if LCM is running with NCS 6.2 or later.<br>The first EExport TapePlex for this VTV.   |
| VTVEExportTapePlex2                              | char<br>8<br>none                | VTV           | VTV<br>EExport<br>TapePlex 2 | This field is valid only if LCM is running with NCS 6.2 or later.<br>The second EExport TapePlex for this VTV.  |
| VTVFenced  | bool<br>See notes below.<br>true | VTV           | VTV<br>Fenced                | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTV's state is unknown to VTSS.  |
| VTVInitialized                                   | bool<br>See notes below.<br>true | VTV           | VTV<br>Initialized           | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTV has been initialized by VTSS.  |
| VTVInvalid<br>VTVDEL<br>VTVDELETED<br>VTVINV     | bool<br>See notes below.<br>true | VTV           | VTV<br>Invalid               | The VTV is invalid in VSM.  |
| VTVManagementClass<br>VTVMGMTCLAS<br>VTVMGTCLASS | char<br>8<br>none                | VTV           | VTV<br>Management<br>Class   | The VSM management class for the VTV.   |
| VTVMaximumSize                                   | int<br>4<br>none                 | VTV           | VTV<br>Maximum<br>Size (MB)  | This field is valid only if LCM is running with NCS 6.2 or later.<br>The maximum size of the VTV in megabytes.  |
| VTVMigrated<br>VTVMIG                            | bool<br>See notes below.<br>true | VTV           | VTV<br>Migrated              | The VTV is migrated in VSM.   |
| VTVMounted<br>VTVMNTD                            | bool<br>See notes below.<br>true | VTV           | VTV<br>Mounted               | The VTV is mounted according to VSM.  |
| VTVMVCID1  | char<br>6<br>none                | VTV           | VTV<br>MVC1                  | The MVC volser on which the VTV resides.  |
| VTVMVCID2  | char<br>6<br>none                | VTV           | VTV<br>MVC2                  | The MVC volser on which a duplicate or consolidation copy of the VTV resides. Note: If the VTV is consolidated during an LCM run, the value of this field will be updated after the consolidation is performed. The POSTACTION value will reflect the consolidation MVC for this VTV. |
| VTVMVCID3  | char<br>6<br>none                | VTV           | VTV<br>MVC3                  | The MVC volser on which a duplicate or consolidation copy of the VTV resides.   |
| VTVMVCID4  | char<br>6<br>none                | VTV           | VTV<br>MVC4                  | The MVC volser on which a duplicate or consolidation copy of the VTV resides.   |
| VTVNewCreate                                     | bool<br>See notes below.<br>true | VTV           | VTV<br>Newly<br>Created      | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the VTV was newly created when it was last resident.   |
| VTVOwningTapePlex                                | char<br>8<br>none                | VTV           | VTV<br>Owning<br>TapePlex    | The owning TapePlex for this VTV.   |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                               | Type<br>Size<br>Summary          | Source | Report Heading                   | Description  |
|-------------------------------------|----------------------------------|--------|----------------------------------|--|
| VTVPageSize                         | char<br>8<br>none                | VTV    | VTV<br>Page<br>Size              | The VTV Page Size<br><br>Large<br><br>Standard   |
| VTVRecallDate                       | date<br>See notes below.<br>none | VTV    | VTV<br>Recall<br>Date            | This field is valid only if LCM is running with NCS 6.2 or later.<br>Date VTV was recalled to the VTSS buffer.   |
| VTVRecallTime                       | time<br>See notes below.<br>none | VTV    | VTV<br>Recall<br>Time            | This field is valid only if LCM is running with NCS 6.2 or later.<br>Time VTV was recalled to the VTSS buffer.   |
| VTVReplicationStatus                | char<br>20<br>none               | VTV    | VTV<br>Replication<br>Status     | This field is valid only if LCM is running with NCS 6.2 or later.<br>Status of VTV replication.<br><br>C<br>Replication has completed.<br>R<br>Replication is required but not started<br>S<br>Replication has started |
| VTVReplicaVTSS                      | char<br>8<br>none                | VTV    | VTV<br>Replica<br>VTSS           | This field is valid only if LCM is running with NCS 6.2 or later.<br>The Virtual Tape SubSystem (VTSS) in which the VTV replica resides.   |
| VTVResident                         | bool<br>See notes below.<br>true | VTV    | VTV<br>Resident                  | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether a VTV is resident in a VTSS.  |
| VTVScratch<br>VTVSCR                | bool<br>See notes below.<br>true | VTV    | VTV<br>Scratch                   | The VTV is scratch, as recorded by VSM.  |
| VTVSizeCompressed                   | int<br>7<br>sum                  | VTV    | VTV<br>Size<br>Compressed (MB)   | This field is valid only if LCM is running with NCS 6.2 or later.<br>The actual compressed size of the VTV in megabytes.   |
| VTVSizeUncompressed<br>VTVMediaSize | int<br>7<br>sum                  | VTV    | VTV<br>Size<br>Uncompressed (MB) | This field is valid only if LCM is running with NCS 6.2 or later.<br>The actual uncompressed size of the VTV in megabytes.   |
| VTVTimesRead                        | int<br>7<br>none                 | VTV    | VTV<br>Times<br>Read             | This field is valid only if LCM is running with NCS 6.2 or later.<br>The number of times the VTV has been read.  |

**TABLE 3-5** REPORT VOLUME Statement Fields

| Field                           | Type<br>Size<br>Summary          | Source | Report Heading             | Description  |
|---------------------------------|----------------------------------|--------|----------------------------|--|
| VTVUnavailable<br>VTVUNAVAIL    | bool<br>See notes below.<br>true | VTV    | VTV<br>Unavailable         | This field is valid only if LCM is running with NCS 6.2 or later. The VTV is unavailable because it is either mounted, resident, or fenced according to VSM.   |
| VTVVTSS                         | char<br>8<br>none                | VTV    | VTV<br>VTSS                | The Virtual Tape SubSystem (VTSS) in which the VTV resides.  |
| WrongScratchStatus<br>WRNGSCRST | bool<br>See notes below.<br>true | LCM    | Wrong<br>Scratch<br>Status | The scratch status indicator in the HSC CDS is incorrect. For volumes covered by HSCUNSCR (Explorer: "Set HSC-scratch indicators to OFF" on the Scratch tab of the Run object), the WrongScratchStatus flag indicates that the HSC UNSCRATCH request failed. For volumes not covered by HSCUNSCR, the WrongScratchStatus flag indicates that the scratch status recorded in the HSC CDS or in VSM does not agree with the scratch status in the TMS. This may occur for volumes when the Sync or SyncVTV option (Explorer: Sync tab of Run object) is not in effect or when the associated synchronization request fails. The LCM log file contains a message for each request failure. LCM does not set the WrongScratchStatus flag for volumes that are scratch in the TMS but are not scratch in the HSC or in VSM if they are in use at the time LCM attempts the unscratch operation. This is a normal situation that can occur between the time a tape is allocated and the time it is put back in a cell. |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

The default size for date fields is based on the date format used. If no format is specified, the default size is 7. For expiration date, the default size will be at least 10 to accommodate the special keywords.

The default size for time fields is based on the time format used. If no format is specified, the default size is 5.

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# General Fields

**TABLE 3-6** General Fields

| <b>Field</b>  | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>                           | <b>Report Heading</b> | <b>Description</b>  |
|---------------|----------------------------------|--|-----------------------|---|
| ACSID         | char (alternate)<br>2<br>none    | Custom LSM Report                                | ACS<br>ID             | The 2-digit decimal number assigned to the Automated Cartridge System.  |
| Action<br>ACT | char (alternate)<br>12<br>none   | Custom MVC_VTV<br>Report<br>Custom Volume Report | Action                | The action planned to be taken on the volume.<br><br>Consolidate<br>Planned to consolidate the virtual tape volume.<br>Eject<br>Planned to eject the volume.<br>Enter<br>Planned to enter the volume.<br>Export<br>Planned to export the virtual tape volume.<br>Keep<br>Planned to keep the volume in the initial LSM.<br>Migrate<br>Planned to migrate the virtual tape volume.<br>Move<br>Planned to move the volume.<br>None<br>No action planned.<br>Recall<br>Planned to recall the virtual tape volume.<br>Reclaim<br>Planned to reclaim space on the MVC.<br>Scratch<br>Planned to set the scratch status for the volume in the HSC CDS or VTCS to Scratch.<br>Unscratch<br>Planned to set the scratch status for the volume in the HSC CDS or VTCS to Not Scratch. |

**TABLE 3-6** General Fields

| Field                  | Type<br>Size<br>Summary        | Where Available                                  | Report Heading   | Description   |
|------------------------|--------------------------------|--|------------------|---|
| ActionReason<br>ACTRSN | char (alternate)<br>10<br>none | Custom MVC_VTV<br>Report<br>Custom Volume Report | Action<br>Reason | <p>The reason the action was chosen.</p> <p>Action</p> <p>Explorer: Instructed by Action tab of Run object. Parameter File: Instructed by Action statement.</p> <p>ClrFzPnl</p> <p>Explorer: The Action tab of the Run object caused this action to eject volumes frozen by the HSC. Parameter File: A ClearFrozenPanels parameter caused this action to eject volumes frozen by the HSC.</p> <p>EjBad</p> <p>Explorer: The Action tab of the Run object caused this action to eject defective volumes. Parameter File: An EjBad parameter caused this action to eject defective volumes.</p> <p>Method</p> <p>Explorer: A Method object condition caused LCM to perform this action. Parameter File: A Method statement attribute caused LCM to perform this action.</p> <p>Need</p> <p>LCM planned this action in order to meet criteria.</p> <p>PullList</p> <p>Explorer: A PullList object caused this action. Parameter File: A PullList statement caused this action.</p> |

**TABLE 3-6** General Fields

| Field                       | Type<br>Size<br>Summary        | Where Available   | Report Heading       | Description  |
|-----------------------------|--------------------------------|---|----------------------|--|
| ActionStatus<br>ACTSTAT     | char (alternate)<br>40<br>none | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Action<br>Status     | The final status of an action. This field is only meaningful on a POSTACTION report.<br><br>Action performed successfully<br><br>Action was not necessary<br><br>LCM stop command was entered<br><br>No magazines in CAP<br><br>No room was available<br><br>not processed by VTCS<br><br>Reason is not known (see LCMLOG)<br><br>Reply to delay WTOR was ABORT or FAIL<br><br>Volume is in disconnected ACS<br><br>Volume is in manual mode LSM<br><br>Volume is in use by another host<br><br>Volume was errant when action attempted<br><br>Volume was mounted when action attempted<br><br>Volume was recently used or selected<br><br>VTCS error (see LCMLOG)<br><br>VTCS PGMI (SWSPGMI) not available<br><br>VTCS request failed<br><br>VTCS task ended unexpectedly |
| AdditionalEnters<br>ADDNLEN | int<br>7<br>sum                | Custom LSM Report   | Additional<br>Enters | The number of scratch volumes that need to be entered in addition to the number LCM has picked by volser.  |
| BaseName                    | char<br>44<br>none             | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Base Name            | The controlling data set name of the volume. If the data set is a member of a Generation Data Group, only the base name (no .GnnnnVnn) is included.  |
| Classification<br>CLS       | char (alternate)<br>10<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Classification       | Classification of the volume.<br><br>BadScratch<br>Volumes marked defective and scratch in TMS<br>Clean<br>Volumes with the HSC cleaning prefix<br>Expired<br>Volumes marked not scratch and expired in TMS<br>NonScratch<br>Volumes not scratch, badscratch, expired, or clean<br>Scratch<br>Volumes available for receiving new tape data sets   |

**TABLE 3-6** General Fields

| <b>Field</b>                              | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>       | <b>Description</b>  |
|---|----------------------------------|---|-----------------------------|---|
| Clean<br>CLN                              | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Cleaning<br>Cartridge       | This volume is a cleaning cartridge.  |
| CleanEnters<br>CLNENTERS                  | int<br>7<br>sum                  | Custom LSM Report   | Clean<br>Enters             | The total number of cleaning cartridges that need to be entered into the LSM.   |
| ConsolidationGroupName<br>CONSGRPNAME     | char<br>8<br>none                | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Consolidation<br>Group Name | The consolidation group name for the VTV.   |
| Copy                                      | int<br>4<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Copy                        | Copy number of the volume. A value of 1 refers to the most recently created copy of the data set according to the tape management system, 2 refers to the next most recently created copy, and so on. |
| CreatingTMSDrive<br>CTDRIVE               | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creating<br>Drive           | The unit address of the tape drive on which the tape data set was created, printed as a hexadecimal character string.   |
| CreationDate<br>CDATE                     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>Date            | The date the volume was created. The first available field of the following determines the creation date:<br>CreationTMSDate, CreationVTVDate, CreationMVCDate.                                       |
| CreationJobName<br>CJOBNAME<br>JOBNAME    | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>Job Name        | The JCL job name that created the volume.   |
| CreationMVCDate<br>CMDATE                 | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>MVC<br>Date     | The date the volume was created as recorded by VSM.   |
| CreationMVCTime<br>CMTIME                 | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>MVC<br>Time     | The time of day the volume was created as recorded by VSM.  |
| CreationStepName<br>CSTEPNAME<br>STEPNAME | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>Step Name       | The JCL step name that created the volume.  |
| CreationTime<br>CTIME                     | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>Time            | The time of day the volume was created. The first available field of the following determines the creation time:<br>CreationTMSTime, CreationVTVTime, CreationMVCTime.                                |
| CreationTMSDate<br>CTDATE                 | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>TMS<br>Date     | The date the volume was created as recorded in the associated tape management system.   |

**TABLE 3-6** General Fields

| <b>Field</b>                   | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>         | <b>Description</b>  |
|--------------------------------|----------------------------------|---|-------------------------------|---|
| CreationTMSTime<br>CTTIME      | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>TMS<br>Time       | The time of day the volume was created as recorded in the associated tape management system.  |
| CreationVTVDate<br>CVDATE      | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>VTV<br>Date       | The date the volume was created as recorded by VSM.   |
| CreationVTVTime<br>CVTIME      | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Creation<br>VTV<br>Time       | The time of day the volume was created as recorded by VSM.  |
| CycleDate<br>CYDATE            | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Cycle<br>Date                 | The date used by LCM for CYCLESOON processing. If missing, LCM does not perform CYCLESOON processing on this volume.  |
| DataSetIdentifier<br>DSID      | char<br>44<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Data Set Identifier           | The most specific matching data set identifier found for the data set name on the Data Set tab of the Methods folder (Explorer) or a DATASET statement (Parameter File).                            |
| DataSetName<br>DSN             | char<br>44<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Data Set Name                 | The controlling data set name of the volume. If the data set is a member of a Generation Data Group, the .GnnnnVnn qualifier is included.   |
| DataSetReport<br>DSRPT         | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Data<br>Set<br>Report         | This volume is covered by the Data Set tab of the Methods folder (Explorer) or a DATASET statement (Parameter File) and is flagged for reporting.   |
| DaysSinceCreation<br>CDAYS     | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Creation     | The number of days since the data set was created. The first available field of the following determines the days since creation: DaysSinceCreationTMS, DaysSinceCreationMVC, DaysSinceCreationVTV. |
| DaysSinceCreationMVC<br>CMDAYS | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Creation MVC | The number of days since the data set was created as recorded by VSM.   |
| DaysSinceCreationTMS<br>CTDAYS | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Creation TMS | The number of days since the data set was created as recorded in the associated tape management system.   |
| DaysSinceCreationVTV<br>CVDAYS | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Creation VTV | The number of days since the data set was created as recorded by VSM.   |

**TABLE 3-6** General Fields

| <b>Field</b>   | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>     | <b>Description</b>  |
|--|----------------------------------|---|---------------------------|---|
| DaysSinceEnter<br>EDAYS                                | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Enter    | The number of days since the volume was entered into an LSM. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent enter day for any volume is used by LCM for all volumes in the multi-volume data set.   |
| DaysSinceLocation<br>LDAYS<br>LOCDAYS                  | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Location | The number of days since the tape was moved to a tape storage location.   |
| DaysSinceMount<br>MDAYS                                | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Mount    | The number of days since the HSC last mounted the volume.   |
| DaysSinceReference<br>RDAYS                            | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Days<br>Since<br>Ref.     | The number of days since reference for the volume as used by LCM. The first available field of the following determines the reference day:<br>DaysSinceReferenceTMS,<br>DaysSinceReferenceVTV,<br>DaysSinceReferenceMVC,<br>DaysSinceMount, DaysSinceSelect. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent reference day for any volume is used by LCM for all volumes in the multi-volume data set. |
| DaysSinceReferenceMVC<br>RMDAYS                        | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Ref MVC  | The number of days since reference as recorded by VSM for an MVC (Multiple Volume Cartridge)  |
| DaysSinceReferenceTMS<br>RTDAYS                        | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Ref TMS  | The number of days since reference as recorded in the associated tape management system for volumes being treated as a unit (Multi-volume support).   |
| DaysSinceReferenceVTV<br>RVDAYS                        | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Ref VTV  | The number of days since reference as recorded by VSM for a VTV (Virtual Tape Volume)   |
| DaysSinceSelect<br>SDAYS                               | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Since<br>Select   | The number of days since the volume was selected by the HSC.  |
| DaysTillCycle<br>CYDAYS<br>DAYSTILLEXPIR<br>E<br>XDAYS | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Days<br>Till<br>Cycle     | The number of days LCM uses for CYCLESOON processing. If missing, LCM will not perform CYCLESOON processing on this volume.   |

**TABLE 3-6** General Fields

| <b>Field</b>                 | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>          | <b>Description</b>   |
|------------------------------|----------------------------------|---|--------------------------------|--|
| Deleted                      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Deleted                        | The volume is marked deleted in the tape management system. Note: The value of this field is false for all volumes known to LCM unless: Explorer: The checkbox on the Deleted tab of the TMS object is not checked; Parameter File: the NODELETECHECK parameter is specified on the TMS statement. |
| EjectViaLSMGroup<br>EJLSMGRP | char (alternate)<br>10<br>none   | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Eject<br>Via<br>LSM Group      | The LSM Group from which LCM plans to eject the volume.  |
| EjectViaLSMID<br>EJLSMID     | char (alternate)<br>5<br>none    | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Eject<br>Via<br>LSM ID         | The LSM ID from which LCM plans to eject the volume.   |
| EjectViaLSMName<br>EJLSMNAME | char (alternate)<br>10<br>none   | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Eject<br>Via<br>LSM Name       | The Name of the LSM from which LCM plans to eject the volume.  |
| Encrypted                    | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Encrypted                      | This field is valid only if LCM is running with NCS 6.2 or later.<br>This volume is encrypted.   |
| EnterDate<br>ENDATE          | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Enter<br>Date                  | The date the volume was entered into an LSM. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent enter date of any volume is used by LCM for all volumes in the multi-volume data set.  |
| Enters                       | int<br>7<br>sum                  | Custom LSM Report   | Enters                         | The total number of volumes that need to be entered into the LSM.  |
| EnterTime<br>ENTIME          | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Enter<br>Time                  | The time of day the volume was entered.  |
| Errant                       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Errant                         | The HSC has marked this volume errant. Requires HSC PTF L1H10CC (HSC 4.0) or L1H10CE (HSC 4.1) to produce accurate information.  |
| EXLbIReadable<br>EXLBLRD     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | External Label<br>OCR Readable | The cartridge external label is OCR readable.  |

**TABLE 3-6** General Fields

| Field                         | Type<br>Size<br>Summary          | Where Available   | Report Heading         | Description   |
|-------------------------------|----------------------------------|---|------------------------|---|
| ExpireDate<br>EXPDT<br>XDATE  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Expire<br>Date         | The date the volume will expire based on the expiration date in the tape management system. Special expire dates are: AGE/nnn - Expires nnn days from create or move date; CATLG - Expires when the data set name no longer exists in the MVS system catalog, regardless of the keep date; CATLG/nnn - Expires nnn days after creation and the data set no longer resides in the MVS catalog; CYCLE/nnn - Oldest data set expires after nnn cycles; FOREIGN - Foreign volume; LDATE/nnn - Expires nnn days after last used; MSG/nnn - TMS user-defined; PERM - Never expires; STATS/nnn - Never expires; USER/nnn - Never expires; ZEROS - CA-TLMS value was zeros; Julian date - Expires on the julian date. |
| ExternalLabel<br>EXLBL        | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | External<br>Label      | The cartridge has an external label.  |
| ExternallyManaged<br>EXTERNAL | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Externally<br>Managed  | The volume is defined to the tape management system, but its use is controlled by some other software system.   |
| FailedEjects<br>FEJ           | int<br>7<br>sum                  | Custom LSM Report   | Failed<br>Ejects       | The number of volumes that failed to be ejected from the LSM. This field is only meaningful on a POSTACTION report.   |
| FailedMoveIns<br>FMOVEINS     | int<br>7<br>sum                  | Custom LSM Report   | Failed<br>Move<br>Ins  | The number of volumes that failed to be moved into the LSM. This field is only meaningful on a POSTACTION report.   |
| FailedMoveOuts<br>FMOVEOUTS   | int<br>7<br>sum                  | Custom LSM Report   | Failed<br>Move<br>Outs | The number of volumes that failed to be moved out of the LSM. This field is only meaningful on a POSTACTION report.   |
| FrozenToLSMGroup              | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Frozen To<br>LSM Group | The volume has both EJECT(NO) and a specific LSMGRP assigned by its Management Method.  |
| GDG                           | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | GDG                    | The volume is a member of a Generation Data Group.  |
| GDGWrap                       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | GDG<br>Wrap            | The volume is a member of a Generation Data Group where the Gnnnn number has wrapped from 9999 to 0001.   |
| Generation<br>GEN             | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Generation<br>Number   | The relative generation number + 1, based on the tape management system.  |

**TABLE 3-6** General Fields

| Field                             | Type<br>Size<br>Summary          | Where Available   | Report Heading                 | Description   |
|-----------------------------------|----------------------------------|---|--------------------------------|---|
| Held                              | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Held                           | The nonscratch volume will not be ejected because one of the Held flags was on. Possible held reasons are: Cyclesoon, Minenter, Minref, or Pulllist.  |
| HeldForCycleSoon<br>HCYLSOON      | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Held For<br>Cyclesoon          | The nonscratch volume will not be ejected because the controlling data set is due to expire within a specified number of days. Controlled by: Explorer: Methods folder Limits tab; Parameter File: the CYCLESOON parameter on the OPTIONS statement.  |
| HeldForMinEnter<br>HMINENT        | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Held For<br>MinEnter           | The nonscratch volume will not be ejected because it was entered into an LSM within a specified number of days. This is determined by: Explorer: Methods folder Limits tab; Parameter File: the MINENTER parameter on the OPTIONS statement.          |
| HeldForMinRef<br>HMINREF          | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Held For<br>MinRef             | The nonscratch volume will not be ejected because it has been referenced within a specified number of days. This is determined by: Explorer: Methods folder Limits tab; Parameter File: the MINREF parameter on the OPTIONS statement.                |
| HeldForPullList<br>HPULLLIST      | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Held For<br>PullList           | The nonscratch volume will not be ejected because it was found on a Pull List.  |
| HoursSinceCreationVTV<br>CVHOURS  | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Hours<br>Since<br>Creation VTV | The number of hours since creation as recorded by VSM for a VTV (Virtual Tape Volume).  |
| HoursSinceReferenceVTV<br>RVHOURS | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Hours<br>Since<br>Ref VTV      | The number of hours since reference as recorded by VSM for a VTV (Virtual Tape Volume).   |
| HSCScratch<br>HSCSCR              | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | HSC<br>Scratch                 | The status recorded by the HSC for the volume is scratch.   |
| Ignored                           | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Ignored                        | LCM does not retain any tape management system information for this volume and will not eject or move this volume. This is determined by: Explorer: the TMS tab of the Subpool object; Parameter File: the IGNORE parameter on the SUBPOOL statement. |
| InitialACSID<br>IACSID            | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>ACSID               | The ACS ID in which the volume resided at the beginning of the LCM run.   |

**TABLE 3-6** General Fields

| <b>Field</b>                       | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>          | <b>Description</b>   |
|------------------------------------|----------------------------------|---|--------------------------------|--|
| InitialAllVolumes<br>IALLVOL       | int<br>7<br>sum                  | Custom LSM Report   | Initial<br>All<br>Volumes      | The total number of scratch and nonscratch volumes in the LSM at the beginning of the LCM run. |
| InitialClean<br>ICLN               | int<br>7<br>sum                  | Custom LSM Report   | Initial<br>Clean               | The number of cleaning cartridges in the LSM at the beginning of the LCM run.                  |
| InitialFreeCells<br>IFCELL         | int<br>7<br>sum                  | Custom LSM Report   | Initial<br>Free<br>Cells       | The number of free cells in the LSM at the beginning of the LCM run.                           |
| InitialLSMCell<br>ILSMCELL         | char (alternate)<br>14<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>LSM Cell            | The coordinates of the LSM Cell where the volume resided at the beginning of the LCM run.      |
| InitialLSMColumn<br>ILSMCOL        | int<br>2<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>LSM<br>Column       | The LSM Column number where the volume resided at the beginning of the LCM run.                |
| InitialLSMGroup<br>ILSMGRP         | char (alternate)<br>10<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>LSM Group           | The name of the LSM Group where the volume resided at the beginning of the LCM run.            |
| InitialLSMID<br>ILSMID             | char (alternate)<br>5<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>LSM ID              | The LSM ID where the volume resided at the beginning of the LCM run.                           |
| InitialLSMName<br>ILSMNAME         | char (alternate)<br>10<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>LSM Name            | The Name of the LSM where the volume resided at the beginning of the LCM run.                  |
| InitialLSMPanel<br>ILSMPNL         | int<br>2<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>LSM<br>Panel        | The LSM Panel number where the volume resided at the beginning of the LCM run.                 |
| InitialLSMPanelFrozen<br>ILSMPNFLZ | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>LSM Panel<br>Frozen | The volume resided in a frozen panel at the beginning of the LCM run.                          |
| InitialLSMRow<br>ILSMROW           | int<br>2<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Initial<br>LSM<br>Row          | The LSM Row number where the volume resided at the beginning of the LCM run.                   |
| InitialNonScratch<br>INONSCR       | int<br>7<br>sum                  | Custom LSM Report   | Initial<br>Non<br>Scratch      | The total number of nonscratch volumes in the LSM at the beginning of the LCM run.             |
| InitialScratch<br>ISCR             | int<br>7<br>sum                  | Custom LSM Report   | Initial<br>Scratch             | The total number of scratch volumes in the LSM at the beginning of the LCM run.                |

**TABLE 3-6** General Fields

| <b>Field</b>                     | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b> | <b>Description</b>  |
|----------------------------------|----------------------------------|---|-----------------------|---|
| InLSM                            | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | In<br>LSM             | The volume is in an LSM at the beginning of an LCM run.   |
| InManagedLSM<br>INMANLSM         | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | In<br>Managed<br>LSM  | The volume is in a MANAGED LSM at the beginning of an LCM run.  |
| InTMS                            | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | In<br>TMS             | The volume is in a tape management system defined to LCM.   |
| LastUsedTMSDrive<br>LUTDRIVE     | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Last<br>Used<br>Drive | The unit address of the tape drive on which the tape was last used, printed as a hexadecimal character string.  |
| LocationCode<br>LOCCODE          | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Location<br>Code      | The identifier assigned to a tape volume by the tape management system to identify the intended storage location for that volume.   |
| LocationDate<br>LDATE<br>LOCDATE | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Location<br>Date      | The date the volume was moved to the tape management system's tape storage location.  |
| LocationName<br>LOCNAME          | char (alternate)<br>10<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Location<br>Name      | The name of the tape storage location. Location Names are not defined to the tape management system, but are assigned by LCM from tape management system information as specified by: Explorer: the Location object Codes tab; Parameter File: the Location statement Code parameter. |
| LocationSequence<br>LOCSEQ       | int<br>5<br>none                 | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Location<br>Sequence  | The number that LCM assigned to each location to determine the order that tapes at that location are ejected. Controlled by: Explorer: the Locations folder Order tab; Parameter File: the order of Location statements in the parameter file.  |
| LSMGroup<br>LSMGRP               | char (alternate)<br>10<br>none   | Custom LSM Report   | LSM<br>Group          | The LSM Group Name assigned to the volume by the Management Method.   |
| LSMID                            | char (alternate)<br>5<br>none    | Custom LSM Report   | LSM<br>ID             | The AA:LL form identifier (AA is the two-character decimal ACS number and LL is the two-character decimal LSM number) that uniquely identifies an LSM to a host system.   |
| LSMName                          | char (alternate)<br>10<br>none   | Custom LSM Report   | LSM<br>Name           | The name given to the LSM by: Explorer: the LSM Names tab of the ACS object; Parameter File: the Lsmid parameter of a Manage or Unmanaged statement.  |

**TABLE 3-6** General Fields

| <b>Field</b>                  | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>   | <b>Description</b>   |
|-------------------------------|----------------------------------|---|-------------------------|--|
| Managed                       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Managed                 | The volume is covered by a MANAGE statement.   |
| ManagedIndividually<br>MANIND | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Managed<br>Individually | The volume is managed individually, but is part of a multi-volume data set. This happens if all of the volumes in the volume set are not assigned the same Management Method.  |
| ManagedLSM<br>MANLSM          | bool<br>See notes below.<br>true | Custom LSM Report   | Managed<br>LSM          | The LSM is managed by this LCM run. This is specified by: Explorer: editing the properties of an LSM Group listed on the LSM Group tab of a Run object; Parameter File: coverage by a Manage statement.  |
| ManagementClass<br>MGMTCLAS   | char (alternate)<br>8<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Management<br>Class     | The name of the SMS Management Class for the volume.   |
| MaxUseCount                   | int<br>4<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Maximum<br>Use<br>Count | The maximum usage for a cleaning cartridge set by the VOLATTR Maxclean or MNTD Maxclean value.   |
| MediaSource<br>MEDIAS         | char (alternate)<br>6<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Media<br>Source         | The source of information used to determine the volume's MediaType value.<br><br>DFLT<br>The media type defaulted to Standard.<br>HSCDS<br>The HSC Control Data Set.<br>VOLDEF<br>The VOLATTR statements contained in the file identified by the HSC VOLDEF parameter.<br>VSMVTV<br>VSM Virtual Tape Volume information. |

**TABLE 3-6** General Fields

| Field                        | Type<br>Size<br>Summary       | Where Available   | Report Heading | Description   |
|------------------------------|-------------------------------|---|----------------|---|
| MediaType<br>MEDIA<br>MEDIAT | char (alternate)<br>8<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Media<br>Type  | The media type of the volume.<br><br>DD3A<br>10 Gb capacity helical cartridge.<br>DD3B<br>25 Gb capacity helical cartridge.<br>DD3C<br>50 Gb capacity helical cartridge.<br>DD3D<br>Cleaning cartridge for helical drives.<br>ECART<br>Enhanced Capacity tape (3490).<br>JCART<br>EE-tape media.<br>Long<br>3490E extended capacity cartridge.<br>LTO-100G<br>LTO 100GB capacity cartridge.<br>LTO-10G<br>LTO 10GB capacity cartridge.<br>LTO-200G<br>LTO 200GB capacity cartridge.<br>LTO-35G<br>LTO 35GB capacity cartridge.<br>LTO-400G<br>LTO 400GB capacity cartridge.<br>LTO-400W<br>LTO 400Gb capacity WORM cartridge.<br>LTO-50G<br>LTO 50GB capacity cartridge.<br>LTO-800G<br>LTO 800GB capacity cartridge<br>LTO-800W<br>LTO 800GB capacity WORM cartridge<br>LTO-CLN1<br>LTO cleaning type 1 cartridge.<br>LTO-CLN2<br>LTO cleaning type 2 cartridge.<br>LTO-CLNU<br>LTO universal cleaning cartridge.<br>SDLT<br>Super DLT cartridge.<br>SDLT-2<br>Super DLT model 2 cartridge.<br>Standard<br>Standard length 3480 cartridge.<br>STK1R<br>9840 data cartridge.<br>STK1U<br>Cleaning cartridge for 9840 transports.<br>STK1Y<br>Cleaning cartridge for 9840D transports.<br>STK2P<br>T9940A data cartridge.<br>STK2W<br>Cleaning cartridge for T9940 transports.<br>T10000CT<br>Titanium cleaning cartridge.<br>T10000T1<br>Titanium full capacity cartridge.<br>T10000TS<br>Titanium "sport" cartridge.<br>VIRTUAL<br>Virtual Tape Volume (VTV) in the<br>StorageTek Virtual Storage Manager<br>system.<br>ZCART<br>9490EE ZCART media cartridge. |

**TABLE 3-6** General Fields

| <b>Field</b>                           | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>     | <b>Description</b>  |
|--|----------------------------------|---|---------------------------|---|
| MediaWarrantyLife<br>MWL               | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Media<br>Warranty<br>Life | Percentage of media warranty life used, reported by the drive at dismount time when the Media Information Record (MIR) is rewritten on the tape. Maximum value of 254% includes everything above 254%.  |
| MethodColumn<br>MTHCOL                 | int<br>2<br>none                 | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Method<br>Column          | The column in the LCM parameter file (generated when using the Explorer) in which the associated Management Method was coded. See also the MethodName and MethodLineNum fields.   |
| MethodCondNum<br>MTHCOND               | int<br>4<br>none                 | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Method<br>Cond Num        | Explorer: The number of the Condition of the Method object that applies to this volume. A value of zero indicates that the OTHERWISE attributes for the Method were applied. Parameter File: The occurrence of the Cond parameter on the Method statement that applies to this volume. A value of zero indicates that the default attributes for the Method were applied. |
| MethodEject<br>MTHEJ                   | char (alternate)<br>8<br>none    | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Method<br>Eject           | The Eject attribute of the Management Method assigned to this volume.<br><br>ASNEEDED<br>Eject this volume only when room is needed to meet free cell and/or volume management criteria.<br>NO<br>Never eject this volume.<br>YES<br>Always eject this volume.  |
| MethodLineNum<br>MTHLINE               | int<br>5<br>none                 | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Method<br>Line Num        | The line in the LCM parameter file (generated when using the Explorer) in which the associated Management Method was coded. See also the MethodName and MethodColumn fields.  |
| MethodLSMGroup<br>MTHLSMGRP            | char (alternate)<br>10<br>none   | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Method<br>LSM Group       | The LSM Group assigned to this volume by its Management Method.   |
| MethodName<br>METHOD<br>MTH<br>MTHNAME | char (alternate)<br>10<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Method<br>Name            | The name of the Management Method assigned to this volume.  |
| MethodOrder<br>MTHORD                  | int<br>3<br>none                 | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Method<br>Order           | The order in which the volume may be picked for ejection or demotion. This is determined by: Explorer: the Pick Order of the applicable Condition on the Conditions tab of the Method object; Parameter File: the Order(n) parameter of the Method statement.   |

TABLE 3-6 General Fields

| Field                          | Type<br>Size<br>Summary                 | Where Available   | Report Heading           | Description  |
|--------------------------------|---|---|--------------------------|--|
| <p>MethodReason<br/>MTHRSN</p> | <p>char (alternate)<br/>10<br/>none</p> | <p>Custom MVC_VTV<br/>Report<br/>Custom Volume Report</p> | <p>Method<br/>Reason</p> | <p>The reason that the associated Management Method was chosen.</p> <p>Clean<br/>Cleaning cartridge criteria.</p> <p>Dataset<br/>Explorer: A Data Set Identifier specified on the Methods folder Data Set tab applied to this volume. Parameter File: A Dataset statement applied to this volume.</p> <p>Default<br/>No specified condition applied to this volume.</p> <p>EjBad<br/>The tape management system indicated that this volume is defective and:<br/>Explorer: the Bad Scratch option on the Action tab of the Run object was checked; Parameter File: the Ejbad parameter on the Options statement was specified.</p> <p>External<br/>The volume is marked as externally managed in the tape management system.</p> <p>HSCOnly<br/>The tape volume is not in a tape management system.</p> <p>Ignore<br/>Explorer: The TMS tab of the Subpool object specified that LCM should not take actions such as sync, eject, and move for this volume's Subpool. Parameter File: The Ignore parameter on the Subpool statement applied to this volume.</p> <p>Location<br/>Explorer: The Location tab of the Methods folder specified that the volume should be ejected. Parameter File: A Location statement applied to this volume and specified a Management Method with the Eject attribute.</p> <p>LSMEject<br/>Explorer: A Method object with the Eject(Yes) attribute applied to this volume. Parameter File: An Eject(Yes) parameter on a Method statement applied to this volume.</p> <p>LSMNeverEj<br/>Explorer: A Method object with the Eject(No) attribute applied to this volume. Parameter File: An Eject(No) parameter on a Method statement applied to this volume.</p> <p>MethodFile<br/>Explorer: The file specified for Method Input on the File tab of the Run object had an entry for this volume. Parameter File: The file specified on the Methodfile parameter of the Options statement had an entry for this volume.</p> <p>Scratch<br/>Scratch criteria.<br/>SetMethod<br/>Explorer: The Advanced tab of the Methods folder or a Custom Action specified on the Action tab of the Run object applied to this volume. Parameter File: A Set Method statement applied to this volume.</p> <p>Subpool<br/>Explorer: Not applicable. Parameter File: A Subpool statement applied to this volume.</p> |

**TABLE 3-6** General Fields

| <b>Field</b>                 | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>          | <b>Description</b>  |
|------------------------------|----------------------------------|---|--------------------------------|---|
| MethodUncond<br>MTHUNCOND    | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Method<br>UNCOND               | Explorer: This volume is externally managed and the External tab of the Methods folder indicated that the Method could not be overridden, or the volume's Method was set using the Method Input File and its entry included the U indicator. Parameter File: This volume's method was assigned using the Uncond keyword. Uncond may be specified for the External or HSCOnly options, and by the U indicator in the Methodfile. |
| MountDate<br>MDATE           | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Mount<br>Date                  | The date the volume was last mounted in an LSM.   |
| Mounted                      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Volume<br>Currently<br>Mounted | The volume is currently mounted.  |
| MountTime<br>MTIME           | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Mount<br>Time                  | The time of day the volume was last mounted in an LSM.  |
| MVC                          | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC                            | The volume is a Multiple Volume Cartridge for VSM.  |
| MVCALP                       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>ALP                     | This field is valid only if LCM is running with NCS 6.2 or later. The MVC has been initialized as an Automatically Linked Partition (ALP) volume.   |
| MVCAudit                     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Audit                   | This field is valid only if LCM is running with NCS 6.2 or later. The MVC is either being audited or the audit failed. If the audit failed, VTCS will not use the MVC for migration. To clear this condition, rerun the AUDIT against this MVC.   |
| MVCAvailable<br>MVCAVAILABLE | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>%Available              | The percentage of the MVC available for use.  |

**TABLE 3-6** General Fields

| <b>Field</b>       | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>      | <b>Description</b>   |
|--------------------|----------------------------------|---|----------------------------|--|
| MVCBroken          | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Broken              | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has an error that should be investigated. The error might not make the MVC unusable, but VTCS does not select the MVC for migration for 12 hours after this status has been set to true. After the 12 hour period, the MVC is least preferred for subsequent migrations, and recalls from the MVC can cause VTCS to drain it. This error condition can be accompanied by messages SLS6686, SLS6687, SLS6688, SLS6690 and/or SLS6693. Any of the following conditions can cause this MVC error: MVC corrupted by another job (other than VTCS/VTSS). Attempt to use a read-only MVC for migration. A DDR swap failure. An RTD failure. |
| MVCConsolidateDate | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Consolidate<br>Date | This field is valid only if LCM is running with NCS 6.2 or later.<br>The date on which the MVC was consolidated as recorded by VSM.  |
| MVCConsolidateTime | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Consolidate<br>Time | This field is valid only if LCM is running with NCS 6.2 or later.<br>For a consolidation MVC, this field displays the time of the consolidation.   |
| MVCConsolidation   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Consolidation       | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is a consolidation MVC.   |
| MVCDataCheck       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Data<br>Check       | This field is valid only if LCM is running with NCS 6.2 or later.<br>A data check was reported for this MVC. VSM will not use this MVC again for migration.  |
| MVCDrained         | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Drained             | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is being drained because of one of: 1) an automatic drain or demand reclaim. 2) an explicit MVCDRain command, 3) The previous DRAIN request failed, in which case VTCS will not use the MVC for migration. To clear this condition, enter MVCDRain against MVC without the Eject option.  |
| MVCEject           | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Eject               | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is in the process of eject either because you issued MVCDRainEject or the MVC was ejected for update by a RACROUTE call. The MVC will not be used again for migration or recall. To clear this condition, use MVCDRain against MVC without the Eject option.  |

**TABLE 3-6** General Fields

| <b>Field</b>             | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>     | <b>Description</b>  |
|--------------------------|----------------------------------|---|---------------------------|---|
| MVCExport                | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Export             | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is an export MVC.  |
| MVCFragmented<br>MVCFRAG | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>%Fragmented        | The percentage of the MVC that is not available due to fragmentation.   |
| MVCFull                  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Full               | This field is valid only if LCM is running with NCS 6.2 or later.<br>There is no space available on the MVC.  |
| MVCInitialized           | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Initialized        | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been initialized.  |
| MVCInUse                 | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>%In Use            | The percentage of the MVC used by valid Virtual Tape Volumes.   |
| MVCInvalidMIR            | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Invalid<br>MIR     | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has an invalid MIR.  |
| MVCLost                  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Lost               | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC was not mounted in response to the last mount request. The MVC can still be used for migration, but will not select the MVC for migration for 12 hours after it is marked lost. After the 12 hour period, the MVC will be least preferred. This condition will clear itself the next time that the MVC is mounted. |
| MVCMaximumReached        | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Maximum<br>VTVs    | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has reached the maximum VTVs per MVC.  |
| MVCMediaSize             | int<br>9<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Media<br>Size (MB) | This field is valid only if LCM is running with NCS 6.2 or later.<br>The size in MB of the MVC. This is determined only after VTCS has used an MVC. "UNKNOWN" appears in this field until VTCS migrates a VTV to the MVC.   |
| MVCMountDate             | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Mount<br>MVC<br>Date      | This field is valid only if LCM is running with NCS 6.2 or later.<br>The date on which the MVC was mounted, as recorded by VTSS.  |

**TABLE 3-6** General Fields

| <b>Field</b>  | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>       | <b>Description</b>   |
|---|----------------------------------|---|-----------------------------|--|
| MVCMountTime  | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Mount<br>Time        | This field is valid only if LCM is running with NCS 6.2 or later.<br>The time the MVC was last mounted, as recorded by VTSS.   |
| MVCPoolName   | char (alternate)<br>13<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Pool<br>Name         | This field is valid only if LCM is running with NCS 6.2 or later.<br>MVC Pool Name from the VTCS MVCPOOL control statement.  |
| MVCReadOnly   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Read<br>Only         | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC has been marked read-only.  |
| MVCRetired  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Retired              | This field is valid only if LCM is running with NCS 6.2 or later.<br>The MVC is retired. VTCS will recall from, but not migrate to, the MVC.<br>Replace the MVC as soon as possible. |
| MVCStorageClass<br>MVCSTORCLASS<br>STORAGECLASS<br>STORCLAS | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Storage<br>Class     | This field is valid only if LCM is running with NCS 6.2 or later.<br>The VTCS Storage Class for the volume.  |
| MVCUsableForMigration                                       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Usable<br>Migration  | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the MVC can be used for migration.  |
| MVCUsed<br>MVCTimesMount                                    | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Used<br>(MB)         | The number of times the MVC has been mounted.  |
| MVCVirtual<br>VirtualMVC<br>vMVC                            | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Virtual              | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether the MVC is virtual (exists as an image in a Virtual Library Extension subsystem).             |
| MVCVLEName<br>VLEName                                       | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>VLE<br>Name          | The Virtual Library Extension subsystem in which the MVC resides.  |
| MVCVTSS   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC VTSS<br>Last<br>Mounted | This field is valid only if LCM is running with NCS 6.2 or later.<br>VTSS name where the MVC was last used.  |
| MVCVTVBlockId   | char (alternate)<br>8<br>none    | Custom MVC_VTV<br>Report  | MVC VTV<br>Block<br>ID      | This field is valid only if LCM is running with NCS 6.2 or later.<br>The logical block ID of the beginning of the VTV on the MVC.  |

**TABLE 3-6** General Fields

| <b>Field</b>                  | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>            | <b>Description</b>   |
|-------------------------------|----------------------------------|---|----------------------------------|--|
| MVCVTVConsolidationDate       | date<br>See notes below.<br>none | Custom MVC_VTV<br>Report  | MVC VTV<br>Consolidation<br>Date | This field is valid only if LCM is running with NCS 6.2 or later. The date on which the VTV was consolidated to the MVC as recorded by VSM.  |
| MVCVTVCount<br>MVCVTVCNT      | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>VTV<br>Count              | The number of valid Virtual Tape Volumes on the MVC.   |
| MVCVTVMigrationDate           | date<br>See notes below.<br>none | Custom MVC_VTV<br>Report  | MVC VTV<br>Migration<br>Date     | This field is valid only if LCM is running with NCS 6.2 or later. The date on which the VTV was migrated to the MVC as recorded by VSM.  |
| MVCVTVPartition1              | char (alternate)<br>4<br>none    | Custom MVC_VTV<br>Report  | MVC VTV<br>Partition<br>1        | This field is valid only if LCM is running with NCS 6.2 or later. The first partition used in writing the VTV on the MVC.  |
| MVCVTVPartition2              | char (alternate)<br>4<br>none    | Custom MVC_VTV<br>Report  | MVC VTV<br>Partition<br>2        | This field is valid only if LCM is running with NCS 6.2 or later. The second partition used in writing the VTV on the MVC.   |
| MVCWarrantyExpired            | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | MVC<br>Warranty<br>Expired       | This field is valid only if LCM is running with NCS 6.2 or later. The MVC's warranty has expired. VTCS continues to use the MVC. You should start making plans to replace the MVC when it reaches Retired state. |
| NonScratch<br>NONSCR          | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Non-<br>Scratch                  | The volume is not classified as a scratch volume.  |
| Notuseable<br>NOUSE           | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Not<br>Useable                   | The HSC has marked this volume as not useable.   |
| OnPullList<br>ONPL            | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | On Pull<br>List                  | The volume is on a Pull List.  |
| OverMaxClean<br>OverHSCMAXCLN | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Over<br>MAXCLN                   | The cleaning cartridge has exceeded its maximum usage count.   |
| PermanentReadErrors           | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Permanent<br>Read Errors         | The number of permanent read errors for the volume.  |

**TABLE 3-6** General Fields

| <b>Field</b>                 | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>     | <b>Description</b>  |
|------------------------------|----------------------------------|---|---------------------------|---|
| PermanentWriteErrors         | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Permanent<br>Write Errors | The number of permanent write errors for the volume.  |
| PickedEnters<br>PICKEDEN     | int<br>7<br>sum                  | Custom LSM Report   | Picked<br>Enters          | The number of scratch volumes LCM has picked by volser to enter into the LSM.   |
| PlannedACSID<br>PACSID       | char (alternate)<br>2<br>none    | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Planned<br>ACS ID         | The ACS ID LCM has determined the volume should be in at the end of the LCM run. This is planned only. Check the ActionStatus field to determine if this is the final ACS ID.       |
| PlannedClean<br>PCLN         | int<br>7<br>sum                  | Custom LSM Report   | Planned<br>Clean          | The planned number of cleaning cartridges in the LSM at the end of the LCM run.   |
| PlannedEjects<br>PEJ         | int<br>7<br>sum                  | Custom LSM Report   | Planned<br>Ejects         | The projected number of volumes that will be ejected from the LSM.  |
| PlannedFreeCells<br>PFCELL   | int<br>7<br>sum                  | Custom LSM Report   | Planned<br>Free<br>Cells  | The total number of free cells projected to be in the LSM after all scheduled cartridge moves, ejects, and enters have been performed.  |
| PlannedLSMGroup<br>PLSMGRP   | char (alternate)<br>10<br>none   | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Planned<br>LSM Group      | The LSM Group LCM has determined the volume should be in at the end of the LCM run. This is planned only. Check the ActionStatus field to determine if this is the final LSM Group. |
| PlannedLSMID<br>PLSMID       | char (alternate)<br>5<br>none    | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Planned<br>LSM ID         | The LSM ID LCM has determined the volume should be in at the end of the LCM run. This is planned only. Check the ActionStatus field to determine if this is the final LSM ID.       |
| PlannedLSMName<br>PLSMNAME   | char (alternate)<br>10<br>none   | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Planned<br>LSM Name       | The LSM Name LCM has determined the volume should be in at the end of the LCM run. This is planned only. Check the ActionStatus field to determine if this is the final LSM Name.   |
| PlannedMoveIns<br>PMOVEINS   | int<br>7<br>sum                  | Custom LSM Report   | Planned<br>Move<br>Ins    | The total number of volumes projected to be moved into the LSM.   |
| PlannedMoveOuts<br>PMOVEOUTS | int<br>7<br>sum                  | Custom LSM Report   | Planned<br>Move<br>Outs   | The total number of volumes projected to be moved out of the LSM.   |
| PlannedNonScratch<br>PNONSCR | int<br>7<br>sum                  | Custom LSM Report   | Planned<br>Non<br>Scratch | The total number of nonscratch volumes LCM has projected to be in the LSM.  |
| PlannedScratch<br>PSCR       | int<br>7<br>sum                  | Custom LSM Report   | Planned<br>Scratch        | Total number of scratch volumes LCM has projected to be in the LSM.   |
| PullListEnters<br>PLENTERS   | int<br>7<br>sum                  | Custom LSM Report   | Pull List<br>Enters       | The total number of Pull List volumes that need to be entered into the LSM.   |

**TABLE 3-6** General Fields

| <b>Field</b>                  | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>    | <b>Description</b>  |
|-------------------------------|----------------------------------|---|--------------------------|---|
| PullListName<br>PLNAME        | char (alternate)<br>10<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Pull List<br>Name        | The name of the Pull List for the volume.   |
| RecordingTechnique<br>RecTech | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Recording<br>Technique   | The recording technique associated with a volume's media. This is the method used to record data tracks on the tape surface for the volume.   |
| ReferenceDate<br>RDATE        | date<br>See notes below.<br>none | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | Reference<br>Date        | The date of last reference for the volume. This is the value used by LCM. The first available field of the following determines the reference date: ReferenceTMSDate, ReferenceMVCDate, ReferenceVTVDate, MountDate, SelectDate. If all volumes of a multi-volume data set are covered by the same Management Method, the most recent reference date for any volume will be used by LCM for all volumes in the multi-volume data set. |
| ReferenceMVCDate<br>RMDATE    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Reference<br>MVC<br>Date | The date on which the MVC was last referenced, as recorded by VSM.  |
| ReferenceTMSDate<br>RTDATE    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Reference<br>TMS<br>Date | The date of the last reference, as recorded in the associated tape management system, for volumes being treated as a unit (Multi-volume support).   |
| ReferenceVTVDate<br>RVDATE    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Reference<br>VTV<br>Date | The date on which the VTV was last referenced, as recorded by VSM.  |
| ReferenceVTVTime<br>RVTIME    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Reference<br>VTV<br>Time | The time of day the volume was last referenced, as recorded by VSM.   |
| RunName                       | char (alternate)<br>10<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Run Name                 | The name of the Run object from the JCL EXEC statement Run PARM.  |
| RunType                       | char (alternate)<br>10<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Run Type                 | The RunType from the JCL EXEC statement RunType PARM.   |
| Scratch<br>SCR                | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Scratch                  | The volume is classified as a scratch volume by LCM.  |
| Scratched<br>SCRED            | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Scratched                | LCM marked the volume as scratch in the HSC or VSM.   |

**TABLE 3-6** General Fields

| <b>Field</b>                             | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>           | <b>Description</b>   |
|--|----------------------------------|---|---------------------------------|--|
| ScratchEnters<br>SCRENTERS               | int<br>7<br>sum                  | Custom LSM Report   | Scratch<br>Enters               | The total number of scratch volumes that need to be entered into the LSM.  |
| SelectCount<br>SCOUNT                    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Select<br>Count                 | The number of times the volume has been selected by the HSC.   |
| SelectDate<br>SDATE                      | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Select<br>Date                  | The date the volume was last selected in an LSM.   |
| Selected                                 | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Volume<br>Currently<br>Selected | The volume is currently selected.  |
| SelectTime<br>STIME                      | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Select<br>Time                  | The time of day the volume was selected by the HSC.  |
| Serial<br>SER<br>VOL<br>VOLSER<br>VOLUME | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Volume<br>Serial                | The 6-character identifier of a tape volume.   |
| Serial1<br>SER1                          | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | First<br>Serial                 | The 6-character identifier of the first volume of the volume set associated with this volume.  |
| SL8500Cell                               | char<br>24<br>none               | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | SL8500 Cell                     | The physical cell location of a volume that resides in an SL8500 library. The value of this field is missing for volumes that do not reside in an SL8500.  |
| Slot                                     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Slot                            | The value assigned to a tape volume by the tape management system to pinpoint the storage place for the volume.  |
| StatusChanged<br>STCHG                   | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Changed               | The total number of volumes whose scratch status was changed in the HSC CDS by the LCM run. It is possible for the same volume to be scratched and unscratched in the same LCM run. However, this field is only incremented once per volume. |
| StatusErrant<br>STERRANT                 | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Errant                | The total number of volumes whose status was marked errant in the HSC CDS.   |
| StatusExternalLabel<br>STEXTLBL          | int<br>7<br>sum                  | Custom LSM Report   | Status<br>External<br>Label     | The total number of volumes whose status was marked as having an external label in the HSC CDS.  |

**TABLE 3-6** General Fields

| <b>Field</b>                        | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>          | <b>Description</b>  |
|-------------------------------------|----------------------------------|---|--------------------------------|---|
| StatusNoExternalLabel<br>STNOEXTLBL | int<br>7<br>sum                  | Custom LSM Report   | Status<br>No External<br>Label | The total number of volumes whose status was marked as having no external label in the HSC CDS.   |
| StatusNotUseable<br>STNTUSBL        | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Not<br>Useable       | The total number of volumes whose status was marked not useable in the HSC CDS.   |
| StatusOverMaxClean<br>STOVRMXCLN    | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Over<br>MaxClean     | The total number of volumes whose status was marked over max clean in the HSC CDS.  |
| StatusScatched<br>STSCRED           | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Scatched             | The total number of volumes whose status was marked scatched in the HSC CDS.  |
| StatusSelected<br>STSELECT          | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Selected             | The total number of volumes whose status was marked selected in the HSC CDS.  |
| StatusUnreadableLabel<br>STUNRDLBL  | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Unreadable<br>Label  | The total number of volumes whose status was marked as having an unreadable label in the HSC CDS.   |
| StatusUnscratched<br>STUNSCRED      | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Unscratched          | The total number of volumes whose status was marked unscratched in the HSC CDS.   |
| StatusWrong<br>STWRNG               | int<br>7<br>sum                  | Custom LSM Report   | Status<br>Wrong                | The total number of volumes whose scratch status in the HSC CDS is not correct.   |
| Subpool<br>SP                       | char (alternate)<br>16<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Subpool                        | The name of the Subpool managing a group of volume serial numbers. This is defined in the LCM Subpool object (Explorer) or Subpool statement (Parameter File).        |
| SubpoolId<br>SPID                   | char (alternate)<br>13<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Subpool<br>ID                  | Volume subpool ID from the HSC. This will be the 13-character name of the pool if using HSC SCRPOOL statements, or the 3-digit subpool index number if using SLSUX03. |
| SubpoolLabelType<br>SPLBLTYP        | char (alternate)<br>3<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Subpool<br>Label Type          | Volume subpool label type from the HSC.   |
| SuccessfulEjects<br>SUCCEJ          | int<br>7<br>sum                  | Custom LSM Report   | Successful<br>Ejects           | The number of volumes that were successfully ejected from the LSM. This field is only meaningful on a POSTACTION report.  |
| SuccessfulMoveIns<br>SUCCMOVEINS    | int<br>7<br>sum                  | Custom LSM Report   | Successful<br>Move<br>Ins      | The total number of volumes moved into the LSM. This field is only meaningful on a POSTACTION report.   |

**TABLE 3-6** General Fields

| <b>Field</b>                       | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>       | <b>Description</b>   |
|------------------------------------|----------------------------------|---|-----------------------------|--|
| SuccessfulMoveOuts<br>SUCCMOVEOUTS | int<br>7<br>sum                  | Custom LSM Report   | Successful<br>Move<br>Outs  | The total number of volumes moved out of the LSM. This field is only meaningful on a POSTACTION report.  |
| TapeGroup<br>TG                    | char (alternate)<br>25<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Tape Group                  | The name of the tape group of a volume. Explorer: This is defined on the Media tab of the Subpool object. Parameter File: This is defined in the Media parameter of the Subpool statement. |
| TemporaryReadErrors                | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Temporary<br>Read Errors    | The number of temporary read errors for the volume.  |
| TemporaryWriteErrors               | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Temporary<br>Write Errors   | The number of temporary write errors for the volume.   |
| TMSBad                             | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | TMS Bad                     | The volume has been marked defective in the tape management system.  |
| TMSExpired                         | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | TMS Expired                 | The volume is marked expired in the tape management system.  |
| TMSName                            | char (alternate)<br>10<br>none   | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TMS<br>Name                 | The name of the tape management system defined on the TMS statement.   |
| TMSReel                            | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | TMS Reel                    | The volume is marked as a 9-track reel tape in the tape management system.   |
| TMSScratch<br>TMSSCR               | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | TMS<br>Scratch              | The tape management system has the scratch flag set for this volume.   |
| TMSUse                             | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | TMS Use<br>Count            | The number of times the volume has been used.  |
| Unscratched<br>UNSCRED             | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Unscratched                 | LCM marked the volume as not scratch in the HSC or VSM.  |
| VaultAssignmentDate                | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Vault<br>Assignment<br>Date | The Date the volume was first assigned to the External Vault.  |
| VaultAssignmentTime                | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Vault<br>Assignment<br>Time | Time the volume was first assigned to the External Vault.  |

**TABLE 3-6** General Fields

| <b>Field</b>                   | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>            | <b>Description</b>   |
|--------------------------------|----------------------------------|---|----------------------------------|--|
| VaultEjectedDate               | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Vault<br>Ejected<br>Date         | The date the volume was ejected to the External Vault.   |
| VaultEjectedTime               | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Vault<br>Ejected<br>Time         | Time the volume was ejected to the External Vault.   |
| VaultName                      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Vault<br>Name                    | The name of the vault.   |
| VaultReturnDate                | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Vault<br>Return<br>Date          | The Date the volume can be returned to the External Vault.   |
| VaultSlot                      | char<br>10<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Vault<br>Slot                    | The assigned External Vault Slot value.  |
| VolumeSequenceNumber<br>VOLSEQ | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | Seq<br>Num                       | The volume sequence number of the volume.  |
| VolumesIgnored<br>VOLIGNRD     | int<br>7<br>sum                  | Custom LSM Report   | Volumes<br>Ignored               | The total number of volumes ignored. This is determined by: Explorer: the TMS tab of the Subpool object; Parameter File: the Ignore parameter on the Subpool statement.  |
| VTV                            | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV                              | The volume is a Virtual Tape Volume (VTV), as reported by VSM.   |
| VTVCompressionPercentage       | int<br>2<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Compression<br>Percentage | This field is valid only if LCM is running with NCS 6.2 or later. This is the difference between the uncompressed and compressed VTV size expressed as a percentage of the uncompressed VTV size. For example, if a 100MB VTV compresses to 40MB, then the compression percentage will be given as 60%. A compression of 0% indicates that no compression was possible on the VTV. |
| VTVConsolidated                | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Consolidated              | This field is valid only if LCM is running with NCS 6.2 or later. Indicates whether a VTV is currently consolidated.   |

**TABLE 3-6** General Fields

| <b>Field</b>                                     | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>        | <b>Description</b>  |
|--|----------------------------------|---|------------------------------|---|
| VTVDuplexed                                      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Duplexed              | The VTV has at least 2 copies.  |
| VTVEExportRejected1                              | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>EExport<br>Rejected1  | This field is valid only if LCM is running with NCS 6.2 or later. Indicates whether the VTV EExport to TapePlex1 was rejected.  |
| VTVEExportRejected2                              | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>EExport<br>Rejected2  | This field is valid only if LCM is running with NCS 6.2 or later. Indicates whether the VTV EExport to TapePlex2 was rejected.  |
| VTVEExportStatus                                 | char<br>12<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>EExport<br>Status     | This field is valid only if LCM is running with NCS 6.2 or later. EExport Status of VTV.<br><br>C<br>Replication has completed.<br>R<br>Replication is required but not started<br>S<br>Replication has started |
| VTVEExportTapePlex1                              | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>EExport<br>TapePlex 1 | This field is valid only if LCM is running with NCS 6.2 or later. The first EExport TapePlex for this VTV.  |
| VTVEExportTapePlex2                              | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>EExport<br>TapePlex 2 | This field is valid only if LCM is running with NCS 6.2 or later. The second EExport TapePlex for this VTV.   |
| VTVFenced  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Fenced                | This field is valid only if LCM is running with NCS 6.2 or later. The VTV's state is unknown to VTSS.   |
| VTVInitialized                                   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Initialized           | This field is valid only if LCM is running with NCS 6.2 or later. The VTV has been initialized by VTSS.   |
| VTVInvalid<br>VTVDEL<br>VTVDELETED<br>VTVINV     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Invalid               | The VTV is invalid in VSM.  |
| VTVManagementClass<br>VTVMGMTCLAS<br>VTVMGTCLASS | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Management<br>Class   | The VSM management class for the VTV.   |
| VTVMaximumSize                                   | int<br>4<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Maximum<br>Size (MB)  | This field is valid only if LCM is running with NCS 6.2 or later. The maximum size of the VTV in megabytes.   |

**TABLE 3-6** General Fields

| <b>Field</b>          | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>     | <b>Description</b>  |
|-----------------------|----------------------------------|---|---------------------------|---|
| VTVMigrated<br>VTVMIG | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Migrated           | The VTV is migrated in VSM.   |
| VTVMounted<br>VTVMNTD | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Mounted            | The VTV is mounted according to VSM.  |
| VTVMVCID1             | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>MVC1               | The MVC volser on which the VTV resides.  |
| VTVMVCID2             | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>MVC2               | The MVC volser on which a duplicate or consolidation copy of the VTV resides. Note: If the VTV is consolidated during an LCM run, the value of this field will be updated after the consolidation is performed. The POSTACTION value will reflect the consolidation MVC for this VTV. |
| VTVMVCID3             | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>MVC3               | The MVC volser on which a duplicate or consolidation copy of the VTV resides.   |
| VTVMVCID4             | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>MVC4               | The MVC volser on which a duplicate or consolidation copy of the VTV resides.   |
| VTVNewCreate          | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Newly<br>Created   | This field is valid only if LCM is running with NCS 6.2 or later. Indicates whether the VTV was newly created when it was last resident.  |
| VTVOwningTapePlex     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Owning<br>TapePlex | The owning TapePlex for this VTV.   |
| VTVPageSize           | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Page<br>Size       | The VTV Page Size<br><br>Large<br><br>Standard  |
| VTVRecallDate         | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Recall<br>Date     | This field is valid only if LCM is running with NCS 6.2 or later. Date VTV was recalled to the VTSS buffer.   |
| VTVRecallTime         | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Recall<br>Time     | This field is valid only if LCM is running with NCS 6.2 or later. Time VTV was recalled to the VTSS buffer.   |

**TABLE 3-6** General Fields

| <b>Field</b>                        | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>            | <b>Description</b>   |
|-------------------------------------|----------------------------------|---|----------------------------------|--|
| VTVReplicationStatus                | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Replication<br>Status     | This field is valid only if LCM is running with NCS 6.2 or later.<br>Status of VTV replication.<br><br>C<br>Replication has completed.<br>R<br>Replication is required but not started<br>S<br>Replication has started |
| VTVReplicaVTSS                      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Replica<br>VTSS           | This field is valid only if LCM is running with NCS 6.2 or later.<br>The Virtual Tape SubSystem (VTSS) in which the VTV replica resides.   |
| VTVResident                         | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Resident                  | This field is valid only if LCM is running with NCS 6.2 or later.<br>Indicates whether a VTV is resident in a VTSS.  |
| VTVScratch<br>VTVSCR                | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Scratch                   | The VTV is scratch, as recorded by VSM.  |
| VTVSizeCompressed                   | int<br>7<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Size<br>Compressed (MB)   | This field is valid only if LCM is running with NCS 6.2 or later.<br>The actual compressed size of the VTV in megabytes.   |
| VTVSizeUncompressed<br>VTVMediaSize | int<br>7<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Size<br>Uncompressed (MB) | This field is valid only if LCM is running with NCS 6.2 or later.<br>The actual uncompressed size of the VTV in megabytes.   |
| VTVTimesRead                        | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Times<br>Read             | This field is valid only if LCM is running with NCS 6.2 or later.<br>The number of times the VTV has been read.  |

**TABLE 3-6** General Fields

| Field                           | Type<br>Size<br>Summary          | Where Available   | Report Heading             | Description  |
|---------------------------------|----------------------------------|---|----------------------------|--|
| VTVUnavailable<br>VTVUNAVAIL    | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>Unavailable         | This field is valid only if LCM is running with NCS 6.2 or later. The VTV is unavailable because it is either mounted, resident, or fenced according to VSM.   |
| VTVVTSS                         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | VTV<br>VTSS                | The Virtual Tape SubSystem (VTSS) in which the VTV resides.  |
| WrongScratchStatus<br>WRNGSCRST | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Wrong<br>Scratch<br>Status | The scratch status indicator in the HSC CDS is incorrect. For volumes covered by HSCUNSCR (Explorer: "Set HSC-scratch indicators to OFF" on the Scratch tab of the Run object), the WrongScratchStatus flag indicates that the HSC UNSCRATCH request failed. For volumes not covered by HSCUNSCR, the WrongScratchStatus flag indicates that the scratch status recorded in the HSC CDS or in VSM does not agree with the scratch status in the TMS. This may occur for volumes when the Sync or SyncVTV option (Explorer: Sync tab of Run object) is not in effect or when the associated synchronization request fails. The LCM log file contains a message for each request failure. LCM does not set the WrongScratchStatus flag for volumes that are scratch in the TMS but are not scratch in the HSC or in VSM if they are in use at the time LCM attempts the unscratch operation. This is a normal situation that can occur between the time a tape is allocated and the time it is put back in a cell. |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

The default size for date fields is based on the date format used. If no format is specified, the default size is 7. For expiration date, the default size will be at least 10 to accommodate the special keywords.

The default size for time fields is based on the time format used. If no format is specified, the default size is 5.

# Fields Specific to TMS CA1

**TABLE 3-7** Fields Specific to TMS CA1

| Field    | Type<br>Size<br>Summary          | Where Available   | Report Heading              | Description  |
|----------|----------------------------------|---|-----------------------------|--|
| TM#Dsnbs | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Number<br>DSN Blocks | CA-1-specific number of data set name blocks.  |
| TM128trk | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Trtch<br>Tm128trk    | CA-1-specific recording technique. x'E8' indicates Trk 3590 cartridge tape.                            |
| TM18trk  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Trtch<br>Tm18trk     | CA-1-specific recording technique. x'C0' indicates 3480 cartridge tape - 18 tracks.                    |
| TM3590   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Den<br>TM3590        | CA-1-specific recording density. x'E8' indicates 3590 cartridge tape.                                  |
| TM36Trk  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Trtch<br>Tm36trk     | CA-1-specific recording technique. x'E0' indicates 3490 cartridge tape - 36 tracks.                    |
| TM36trk2 | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Trtch<br>Tm36trk2    | CA-1-specific recording technique. x'E1' indicates 3490E cartridge tape - 36 tracks (extended length). |
| TM38000  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Den<br>TM38000       | CA-1-specific recording density. x'E3' indicates 38K bpi (cartridge).                                  |
| TM38KC   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Den<br>TM38KC        | CA-1-specific recording density. x'E7' indicates 38K bpi (cartridge-compacted).                        |
| TM9trk   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Trtch<br>Tm9trk      | CA-1-specific recording technique. x'80' indicates nine track tape.                                    |
| TMAabend | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1<br>TmAbend     | CA-1-specific internal flag bit x'10'. Volume closed byabend.  |
| TMActv11 | char<br>5<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Actv11               | CA-1-specific actual internal volser   |

**TABLE 3-7** Fields Specific to TMS CA1

| <b>Field</b> | <b>Type Size Summary</b>         | <b>Where Available</b>  | <b>Report Heading</b>        | <b>Description</b>  |
|--------------|----------------------------------|---|------------------------------|---|
| TMActvl2     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Actvl2                | CA-1-specific actual internal volser  |
| TMAcvoli     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4<br>TmAcvoli     | CA-1-specific internal flag4 bit x'40'. Actual volser in use.   |
| TMAdsnb      | int<br>8<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Address<br>First DSNB | CA-1-specific address (relative to BASE in TMSCTL#2) of first DSNB record associated with this volume record. |
| TMAldsnb     | int<br>8<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Address<br>Last DSNB  | CA-1-specific address (relative to BASE in TMSCTL#2) of last DSNB record associated with this volume record.  |
| TMB1Dis      | int<br>9<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>B1Dis                 | CA-1-specific B1 security disclosure label.   |
| TMB1Int      | int<br>9<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>B1Int                 | CA-1-specific B1 security integrity label.  |
| TMBadtap     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3<br>TmBadtap     | CA-1-specific internal flag3 bit x'80'. CA-9/R+ indicated bad tape, do not mount for scratch.                 |
| TMBlkcnt     | int<br>10<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Block<br>Count        | CA-1-specific data set block count.   |
| TMBklsi      | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Block<br>Size         | CA-1-specific maximum block size.   |
| TMBthdt      | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Birth<br>Date         | CA-1-specific date tape was first used.   |
| TMCatlog     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2<br>TmCatlog     | CA-1-specific internal flag2 bit x'80'. Data set was on MVS catalog.  |
| TMClean      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1<br>TmClean      | CA-1-specific internal flag bit x'08'. Volume listed to be cleaned.   |

**TABLE 3-7** Fields Specific to TMS CA1

| Field    | Type<br>Size<br>Summary          | Where Available   | Report Heading              | Description   |
|----------|----------------------------------|---|-----------------------------|---|
| TMCIncnt | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Clean<br>Count       | CA-1-specific number of times tape cleaned.                               |
| TMClosed | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1<br>TmClosed    | CA-1-specific internal flag bit x'40'. Volume closed normally.            |
| TMCpgm   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Create<br>PGM        | CA-1-specific creating program name.                                      |
| TMCrtdt  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Create<br>Date       | CA-1-specific creation date.  |
| TMCrtti  | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Create<br>Time       | CA-1-specific creation time.  |
| TMCruni  | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Create<br>Unit       | CA-1-specific address of creation unit.                                   |
| TMDatchn | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Last Clean<br>Date   | CA-1-specific date tape was last cleaned.                                 |
| TMDdname | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Create<br>Ddname     | CA-1-specific creating ddname.  |
| TMDegau  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4<br>Degaussed   | CA-1-specific internal flag4 bit x'10'. Tape has been degaussed.          |
| TMDelet  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1<br>Deleted     | CA-1-specific internal flag bit x'02'. Volume in delete (inactive) status |
| TMDen    | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Recording<br>Density | CA-1-specific recording density.  |
| TMDfault | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1<br>Tmdfault    | CA-1-specific internal flag bit x'01'. Volume eligible for RDS override.  |

**TABLE 3-7** Fields Specific to TMS CA1

| Field    | Type Size Summary                | Where Available   | Report Heading           | Description  |
|----------|----------------------------------|---|--------------------------|--|
| TMDfexu  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3<br>TmDfexu  | CA-1-specific internal flag3 bit x'04'. Default expiration date used at open output. |
| TMDsn    | char<br>44<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Data Set<br>Name  | CA-1-specific data set name.   |
| TMDsn17  | char<br>17<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>DSN17             | CA-1-specific last 17 bytes of dsu.  |
| TMDynam  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3<br>TmDynam  | CA-1-specific internal flag3 bit x'10'. Controlled by CA-DYNAM/T.                    |
| TMEcatlg | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2<br>TmEcatlg | CA-1-specific internal flag2 bit x'08'. Expired from catalog control (TMSCTLG).      |
| TMEcycle | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2<br>TmEcycle | CA-1-specific internal flag2 bit x'04'. Expired from cycle control (TMSCYCLE).       |
| TMEdmid  | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>EDM<br>ID         | CA-1-specific external data manager id.  |
| TMEdmmap | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3<br>TmEdmmap | CA-1-specific internal flag3 bit x'20'. Controlled by external data manager.         |
| TMEldate | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2<br>TmEldate | CA-1-specific internal flag bit x'02'. Expired from LDATE control (TMSCLEAN).        |
| TMEerase | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3<br>TmErase  | CA-1-specific internal flag3 bit x'08'. Data set erase required.                     |
| TMEsms   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4<br>TmEsms   | CA-1-specific internal flag4 bit x'80'. Tape expired by SMS max retention rules.     |
| TMEtms   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2<br>TmEtsms  | CA-1-specific internal flag bit x'01'. Expired by TMS.                               |

**TABLE 3-7** Fields Specific to TMS CA1

| <b>Field</b> | <b>Type Size Summary</b>         | <b>Where Available</b>  | <b>Report Heading</b>    | <b>Description</b>   |
|--------------|----------------------------------|---|--------------------------|--|
| TMExpdt      | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Expire<br>Date    | CA-1-specific expiration date.   |
| TMFilepy     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3<br>TmFilepy | CA-1-specific internal flag3 bit x'01'. Created by CA-1/Copycat.                     |
| TMFlag1      | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1             | CA-1-specific internal flag byte.  |
| TMFlag2      | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2             | CA-1-specific internal flag byte.  |
| TMFlag3      | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3             | CA-1-specific internal flag byte.  |
| TMFlag4      | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4             | CA-1-specific internal flag byte.  |
| TMFlag5      | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag5             | CA-1-specific internal flag byte.  |
| TMFlag6      | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag6             | CA-1-specific internal flag byte.  |
| TMFrsvol     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>First<br>Serial   | CA-1-specific first volser of data set.  |
| TMIntal      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1<br>TmIntal  | CA-1-specific internal flag1 bit x'80'. Internal field changed by user.              |
| TMInuse      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4<br>TmInuse  | CA-1-specific internal flag4 bit x'02'. Tape is in use for RTS (Real Time Stacking). |
| TMIsctat     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4<br>TmIsctat | CA-1-specific internal flag4 bit x'08'. File on OS catalog.                          |

**TABLE 3-7** Fields Specific to TMS CA1

| <b>Field</b> | <b>Type Size Summary</b>         | <b>Where Available</b>  | <b>Report Heading</b>       | <b>Description</b>   |
|--------------|----------------------------------|---|-----------------------------|--|
| TMLjobnm     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Creating<br>Job Name | CA-1-specific creating job name.   |
| TMLasud      | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Last<br>Used         | CA-1-specific date last used.  |
| TMLasuj      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Last<br>Job          | CA-1-specific job name which last used volume.                                   |
| TMLasut      | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Last<br>Time         | CA-1-specific time last used.  |
| TMLpgm       | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Last<br>PGM          | CA-1-specific last used program name.  |
| TMLrecl      | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>LRECL                | CA-1-specific logical record length.   |
| TMLtype      | char<br>3<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Label                | CA-1-specific tape label type. One of SL, SUL, NL, NSL, BLP, AL1, AU1, AL3, AU3. |
| TMNostak     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4<br>TmNostak    | CA-1-specific internal flag4 bit x'01'. No further stacking allowed.             |
| TMNrs        | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4<br>TmNrs       | CA-1-specific internal flag4 bit x'04'. Non-resident tape.                       |
| TMNxtVol     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Next<br>Serial       | CA-1-specific next volser of data set.   |
| TMOutar      | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Outcode              | CA-1-specific location id of out-of-area tape.                                   |
| TMOudat      | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Outdate              | CA-1-specific date tape was marked out-of-area.                                  |

**TABLE 3-7** Fields Specific to TMS CA1

| <b>Field</b> | <b>Type Size Summary</b>         | <b>Where Available</b>  | <b>Report Heading</b>            | <b>Description</b>   |
|--------------|----------------------------------|---|----------------------------------|--|
| TMOutput     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2<br>TmOutput         | CA-1-specific internal flag2 bit x'40'. Volume opened for output.                                      |
| TMPrerrc     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Perm Read<br>Since Clean  | CA-1-specific number of permanent read errors since cleaned.   |
| TMPrerri     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Perm Read<br>Since Init   | CA-1-specific number of permanent read errors since initialized.                                       |
| TMPrvvol     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Previous<br>Serial        | CA-1-specific previous volser of data set.   |
| TMPrerrc     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Perm Write<br>Since Clean | CA-1-specific number of permanent write errors since cleaned.  |
| TMPrerri     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Perm Write<br>Since Init  | CA-1-specific number of permanent write errors since initialized.                                      |
| TMRecfm      | char<br>3<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>RECFM                     | CA-1-specific record format. One of V, VA, VS, VB, VBM, VBA, VBS, F, FM, FA, FS, FB, FBM, FBA, FBS, U. |
| TMRedwd1     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Trtch<br>TmRedwd1         | CA-1-specific recording technique. x'E4' indicates Redwood 12.5G capacity.                             |
| TMRedwd2     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Trtch<br>TmRedwd2         | CA-1-specific recording technique. x'E5' indicates Redwood 25G capacity.                               |
| TMRedwd3     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Trtch<br>TmRedwd3         | CA-1-specific recording technique. x'E6' indicates Redwood 50G capacity.                               |
| TMRelevm     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3<br>TmRelevm         | CA-1-specific internal flag3 bit x'40'. Tape released by external vault manager.                       |
| TMReuse      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2<br>TmReuse          | CA-1-specific internal flag2 bit x'20'. Data set recreated.  |

**TABLE 3-7** Fields Specific to TMS CA1

| <b>Field</b> | <b>Type Size Summary</b>         | <b>Where Available</b>  | <b>Report Heading</b>            | <b>Description</b>   |
|--------------|----------------------------------|---|----------------------------------|--|
| TMRobid      | int<br>2<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Robid                     | CA-1-specific robotic device indicator.                            |
| TMRoby       | int<br>2<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Roby                      | CA-1-specific tape in robotic device.                              |
| TMSrctch     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1<br>Scratch          | CA-1-specific internal flag bit x'04'. Volume in scratch status.   |
| TMSlot       | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Slot                      | CA-1-specific vault slot number.                                   |
| TMSmsmc      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>SMS Mgt<br>Class          | CA-1-specific SMS management class.                                |
| TMStack      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag5<br>TmStack          | CA-1-specific internal flag5 bit x'80'. Tape has been used by RTS. |
| TMStpnam     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Creating<br>Step          | CA-1-specific creating step name.                                  |
| TMTemps      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag2<br>Temp DS          | CA-1-specific internal flag2 bit x'10'. Temporary data set.        |
| TMTerrcc     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Temp Read<br>Since Clean  | CA-1-specific number of temporary read errors since cleaned.       |
| TMTerri      | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Temp Read<br>Since Init   | CA-1-specific number of temporary read errors since initialized.   |
| TMTrtch      | char (alternate)<br>2<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>TRTCH                     | CA-1-specific recording technique.                                 |
| TMTwerrc     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Temp Write<br>Since Clean | CA-1-specific number of temporary write errors since cleaned.      |

**TABLE 3-7** Fields Specific to TMS CA1

| <b>Field</b>      | <b>Type Size Summary</b>         | <b>Where Available</b>  | <b>Report Heading</b>           | <b>Description</b>  |
|-------------------|----------------------------------|---|---------------------------------|---|
| TMTwerri          | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Temp Write<br>Since Init | CA-1-specific number of temporary write errors since initialized.             |
| TMUcount          | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Uses Since<br>Birth      | CA-1-specific number of times tape opened since birthdate.                    |
| TMUltif           | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag3<br>TmUltif         | CA-1-specific internal flag3 bit x'02'. Additional files exist in volume set. |
| TMUupdate         | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag1<br>TmUpdate        | CA-1-specific internal flag bit x'20'. Volume record updated by user.         |
| TMUsecln          | int<br>2<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Uses Since<br>Clean      | CA-1-specific use count at last cleaning.                                     |
| TMUser<br>TMAacct | char<br>50<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Acct                     | CA-1-specific user job accounting area.                                       |
| TMUsuni           | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Last<br>Unit             | CA-1-specific address of unit last used.                                      |
| TMVabtch          | int<br>2<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Batchid                  | CA-1-specific id of last CA-1 program to update record.                       |
| TMVacode          | int<br>2<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Aucode                   | CA-1-specific audit code.   |
| TMVacpu           | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>CPU ID                   | CA-1-specific id of CPU used for last update.                                 |
| TMVadate          | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Last Update<br>Date      | CA-1-specific date of last update.  |
| TMVafgl1          | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Auflag1                  | CA-1-specific audit flag.   |

**TABLE 3-7** Fields Specific to TMS CA1

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>      | <b>Description</b>  |
|--------------|----------------------------------|---|----------------------------|---|
| TMVahook     | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Hookid              | CA-1-specific id of last intercept to update record.            |
| TMVatime     | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Last Update<br>Time | CA-1-specific time of last update.                              |
| TMVauser     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Userid              | CA-1-specific id of last user to update record.                 |
| TMVendor     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Vendor              | CA-1-specific tape vendor name.                                 |
| TMValseq     | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Seq<br>Num          | CA-1-specific volume sequence number.                           |
| TMVolser     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Volume<br>Serial    | CA-1-specific volume serial number.                             |
| TMVsr        | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | CA1<br>Flag4<br>TmVsr      | CA-1-specific internal flag4 bit x'20'. Vault specific request. |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

The default size for date fields is based on the date format used. If no format is specified, the default size is 7. For expiration date, the default size will be at least 10 to accommodate the special keywords.

The default size for time fields is based on the time format used. If no format is specified, the default size is 5.

# Fields Specific to TMS CTT

**TABLE 3-8** Fields Specific to TMS CTT

| Field      | Type<br>Size<br>Summary          | Where Available   | Report Heading                     | Description   |
|------------|----------------------------------|---|------------------------------------|---|
| CTAccount  | char<br>50<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Account<br>Information | Control-T-specific accounting information             |
| CTActiveds | int<br>4<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Active<br>Labels       | Control-T-specific number of active labels on volume. |
| CTBlksize  | int<br>8<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Block<br>Size          | Control-T-specific block size.                        |
| CTBlockct  | int<br>8<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Block<br>Count         | Control-T-specific block count.                       |
| CTBoxid    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Box<br>ID              | Control-T-specific box ID.                            |
| CTChkindt  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Checkin<br>Date        | Control-T-specific volume check-in date.              |
| CTCIncount | int<br>8<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Clean<br>Count         | Control-T-specific clean count                        |
| CTCrecpu   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Create<br>CPU Name     | Control-T-specific creation CPU name.                 |
| CTCreddn   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Create<br>DD Name      | Control-T-specific creation DD name.                  |
| CTCredt    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Creation<br>Date       | Control-T-specific creation date.                     |
| CTCrejbn   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Create<br>Jobname      | Control-T-specific creation job name.                 |

**TABLE 3-8** Fields Specific to TMS CTT

| Field      | Type<br>Size<br>Summary          | Where Available   | Report Heading                        | Description  |
|------------|----------------------------------|---|---------------------------------------|--|
| CTCrepgm   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Create<br>Program Name    | Control-T-specific creation program name.                      |
| CTCrestep  | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Create<br>Stepname        | Control-T-specific creation stepname.                          |
| CTCretm    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Creation<br>Time          | Control-T-specific creation time                               |
| CTCreuad   | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Create<br>Unit Address    | Control-T-specific creation unit address.                      |
| CTDdsexpd1 | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>First Expiration<br>Date  | Control-T-specific first expiration date.                      |
| CTDdsexpd2 | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Second Expiration<br>Date | Control-T-specific second expiration date.                     |
| CTDdsexpd3 | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Third Expiration<br>Date  | Control-T-specific third expiration date.                      |
| CTDeleted  | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Deleted                   | Control-T-specific volume marked as deleted.                   |
| CTDsname   | char<br>44<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Data Set<br>Name          | Control-T-specific data set name.                              |
| CTDsvolser | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>First<br>Data Set         | Control-T-specific first data set begins on volume.            |
| CTDyndef   | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Dynamically<br>Defined    | Control-T-specific volume dynamically added.                   |
| CTEdm      | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>EDM                       | Control-T-specific volume managed by an External Data Manager. |

**TABLE 3-8** Fields Specific to TMS CTT

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>                 | <b>Description</b>  |
|--------------|----------------------------------|---|---------------------------------------|---|
| CTExprrtn    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Return<br>Date            | Control-T-specific expected return date from out location.                |
| CTExtndel    | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Expire<br>Delete          | Control-T-specific volume will be deleted when expired.                   |
| CTExternal   | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>External<br>Volume        | Control-T-specific external volume.                                       |
| CTFirstvol   | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>First<br>Volume           | Control-T-specific first volume in the multi-volume group.                |
| CTHold       | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Hold                      | Control-T-specific volume is in the main library due to recall operation. |
| CTInatl      | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Tape<br>Library           | Control-T-specific volume resides inside a robotic tape library.          |
| CTInuse      | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>In<br>Use                 | Control-T-specific volume currently in use.                               |
| CTIoerprm    | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Permanent<br>Read Errors  | Control-T-specific permanent read errors.                                 |
| CTIoerpmc    | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Perm Read<br>Errors Clean | Control-T-specific permanent read errors since last clean.                |
| CTIoertmp    | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Temporary<br>Read Errors  | Control-T-specific temporary read errors.                                 |
| CTIoertmpc   | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Temp Read<br>Errors Clean | Control-T-specific temporary read errors since last clean                 |
| CTIoewprm    | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Permanent<br>Write Errors | Control-T-specific permanent write errors.                                |

**TABLE 3-8** Fields Specific to TMS CTT

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>                  | <b>Description</b>  |
|--------------|----------------------------------|---|--|---|
| CTIoewprmc   | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Perm Write<br>Errors Clean | Control-T-specific permanent write errors since last clean.                     |
| CTIoewtmp    | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Temporary<br>Write Errors  | Control-T-specific temporary write errors.                                      |
| CTIoewtmpc   | int<br>4<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Temp Write<br>Errors Clean | Control-T-specific temporary write errors since last clean.                     |
| CTLaccdt     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Job<br>Date                | Control-T-specific last access job date.  |
| CTLaccjbn    | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Jobname                    | Control-T-specific last job name that accessed the volume.                      |
| CTLacctm     | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Job<br>Time                | Control-T-specific last access job time.  |
| CTLbnum      | int<br>4<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Label<br>Number            | Control-T-specific highest label number on volume.                              |
| CTLbltyp     | char<br>3<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Label<br>Type              | Control-T-specific label type<br><br>AL<br>AUL<br>BLP<br>NL<br>NSL<br>SL<br>SUL |
| CTLclndt     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Clean<br>Date              | Control-T-specific last clean date.   |
| CTLlibrary   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Library                    | Control-T-specific robotic tape library name.                                   |

**TABLE 3-8** Fields Specific to TMS CTT

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>           | <b>Description</b>  |
|--------------|----------------------------------|---|---------------------------------|---|
| CTLocation   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Location            | Control-T-specific current location of volume.                        |
| CTLocseq     | int<br>4<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Sequence<br>Number  | Control-T-specific current vault sequence number.                     |
| CTLrecl      | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Record<br>Length    | Control-T-specific record length.                                     |
| CTManvlt     | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Manually<br>Vaulted | Control-T-specific volume manually moved to vault.                    |
| CTMedia      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Media               | Control-T-specific media name   |
| CTMovedate   | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Move<br>Date        | Control-T-specific move date.   |
| CTNextvol    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Next<br>Volume      | Control-T-specific next volume in the multi-volume group.             |
| CTNostack    | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>No<br>Stacking      | Control-T-specific volume cannot be a candidate for dynamic stacking. |
| CTOut        | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Outside<br>Library  | Control-T-specific volume outside the main library.                   |
| CTPendscr    | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Pending<br>Scratch  | Control-T-specific pending scratch status.                            |
| CTPendvlt    | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Pending<br>Vault    | Control-T-specific pending vault.                                     |
| CTPrevvol    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Previous<br>Volume  | Control-T-specific previous volume in the multi-volume group.         |

**TABLE 3-8** Fields Specific to TMS CTT

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>               | <b>Description</b>  |
|--------------|----------------------------------|---|-------------------------------------|---|
| CTPvlt       | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Potenial<br>Vault       | Control-T-specific potential vault.   |
| CTRecall     | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Recall                  | Control-T-specific volume will recall back to main library.   |
| CTRecfm      | char<br>3<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Record<br>Format        | Control-T-specific record format.<br><br>A<br><br>B<br><br>D<br><br>F<br><br>FB<br><br>FBA<br><br>FBM<br><br>FBS<br><br>M<br><br>S<br><br>U<br><br>V<br><br>VB<br><br>VBA<br><br>VBM<br><br>VBS<br><br>VS |
| CTRecfrom    | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Recalled<br>From Vault  | Control-T-specific vault name recalled from.  |
| CTRecreate   | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Recreated               | Control-T-specific dataset recreated.   |
| CTReturnvl   | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Return From<br>Vault    | Control-T-specific volume returned from vault.  |
| CTRetvltdt   | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Return to<br>Vault Date | Control-T-specific date to return to vault.   |

**TABLE 3-8** Fields Specific to TMS CTT

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>               | <b>Description</b>                                |
|--------------|----------------------------------|---|-------------------------------------|---|
| CTScratch    | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Scratch                 | Control-T-specific volume scratch status.         |
| CTScrdt      | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Scratch<br>Date         | Control-T-specific volume scratch date.           |
| CTSlname     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>SL<br>Name              | Control-T-specific SL name.                       |
| CTSlotnum    | int<br>8<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Slot<br>Number          | Control-T-specific slot number                    |
| CTSmcmc      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>SMS Management<br>Class | Control-T-specific SMS management class.          |
| CTSmssg      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>SMS Storage<br>Group    | Control-T-specific SMS storage group.             |
| CTVabnd      | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Volume<br>Abend         | Control-T-specific incomplete data set on volume. |
| CTVault      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>First<br>Vault Name     | Control-T-specific first vault name.              |
| CTVault2     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Second<br>Vault Name    | Control-T-specific second vault name.             |
| CTVault3     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Third<br>Vault Name     | Control-T-specific third vault name.              |
| CTVaulted    | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Vaulted                 | Control-T-specific vaulted.                       |
| CTVendor     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Vendor                  | Control-T-specific volume's vendor name           |

**TABLE 3-8** Fields Specific to TMS CTT

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>                | <b>Description</b>  |
|--------------|----------------------------------|---|--------------------------------------|---|
| CTVformat    | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Volume<br>Format         | Control-T-specific volume format                                      |
| CTVfreekb    | int<br>8<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Free<br>KB               | Control-T-specific free kilo-bytes on volume.                         |
| CTVlrstrt    | bool<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Restart                  | Control-T-specific volume processed under MVS<br>restart.             |
| CTVlntentdt  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Entry<br>Date            | Control-T-specific vault entry date.                                  |
| CTVlntexpdt  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Vault Expiration<br>Date | Control-T-specific vault expiration date.                             |
| CTVoledmid   | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>EDM<br>ID                | Control-T-specific volume's External Data Manager<br>ID.              |
| CTVolexcp    | int<br>8<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>EXCP<br>Count            | Control-T-specific EXCP Count   |
| CTVolexpdtd  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Expire<br>Date           | Control-T-specific volume expiration date.                            |
| CTVolodesc   | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Description              | Control-T-specific volume user description.                           |
| CTVolowner   | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Owner                    | Control-T-specific volume owner                                       |
| CTVoleseq    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Voleseq<br>Number        | Control-T-specific volume sequence number in a<br>multi-volume group. |
| CTVolser     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Volume<br>Serial         | Control-T-specific volume serial number.                              |

**TABLE 3-8** Fields Specific to TMS CTT

| Field      | Type Size Summary | Where Available   | Report Heading                         | Description   |
|------------|-------------------|---|--|---|
| CTVolsnum  | int<br>4<br>none  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Number Of<br>Volumes       | Control-T-specific number volumes data set resides on.  |
| CTVoltype  | char<br>1<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Volume<br>Type             | Control-T-specific volume type.<br><br>L<br><br>P       |
| CTVolusect | int<br>8<br>none  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Use Count<br>Since Scratch | Control-T-specific volume use count since last scratch. |
| CTVolusetc | int<br>8<br>none  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Use<br>Count               | Control-T-specific volume use count.                    |
| CTVstkgrp  | char<br>8<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Stacking<br>Group          | Control-T-specific stacking group name.                 |
| CTVusedkb  | int<br>8<br>none  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | ControlT<br>Used<br>KB                 | Control-T-specific Used kilo-bytes on volume.           |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

The default size for date fields is based on the date format used. If no format is specified, the default size is 7. For expiration date, the default size will be at least 10 to accommodate the special keywords.

The default size for time fields is based on the time format used. If no format is specified, the default size is 5.

# Fields Specific to TMS Custom

**TABLE 3-9** Fields Specific to TMS Custom

| Field      | Type<br>Size<br>Summary          | Where Available   | Report Heading                       | Description                                |
|------------|----------------------------------|---|--------------------------------------|--|
| UserBool1  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 1   | User-defined Boolean field for a volume.   |
| UserBool10 | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 10  | User-defined Boolean field for a volume.   |
| UserBool2  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 2   | User-defined Boolean field for a volume.   |
| UserBool3  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 3   | User-defined Boolean field for a volume.   |
| UserBool4  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 4   | User-defined Boolean field for a volume.   |
| UserBool5  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 5   | User-defined Boolean field for a volume.   |
| UserBool6  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 6   | User-defined Boolean field for a volume.   |
| UserBool7  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 7   | User-defined Boolean field for a volume.   |
| UserBool8  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 8   | User-defined Boolean field for a volume.   |
| UserBool9  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 9   | User-defined Boolean field for a volume.   |
| UserChar1  | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 1 | User-defined character field for a volume. |

**TABLE 3-9** Fields Specific to TMS Custom

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>                 | <b>Description</b>                         |
|--------------|----------------------------------|---|---------------------------------------|--|
| UserChar10   | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 10 | User-defined character field for a volume. |
| UserChar2    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 2  | User-defined character field for a volume. |
| UserChar3    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 3  | User-defined character field for a volume. |
| UserChar4    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 4  | User-defined character field for a volume. |
| UserChar5    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 5  | User-defined character field for a volume. |
| UserChar6    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 6  | User-defined character field for a volume. |
| UserChar7    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 7  | User-defined character field for a volume. |
| UserChar8    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 8  | User-defined character field for a volume. |
| UserChar9    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 9  | User-defined character field for a volume. |
| UserDate1    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 1       | User-defined date field for a volume.      |
| UserDate10   | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 10      | User-defined date field for a volume.      |
| UserDate2    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 2       | User-defined date field for a volume.      |

**TABLE 3-9** Fields Specific to TMS Custom

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>               | <b>Description</b>                       |
|--------------|----------------------------------|---|-------------------------------------|--|
| UserDate3    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 3     | User-defined date field for a volume.    |
| UserDate4    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 4     | User-defined date field for a volume.    |
| UserDate5    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 5     | User-defined date field for a volume.    |
| UserDate6    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 6     | User-defined date field for a volume.    |
| UserDate7    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 7     | User-defined date field for a volume.    |
| UserDate8    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 8     | User-defined date field for a volume.    |
| UserDate9    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 9     | User-defined date field for a volume.    |
| UserInt1     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 1  | User-defined integer field for a volume. |
| UserInt10    | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 10 | User-defined integer field for a volume. |
| UserInt2     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 2  | User-defined integer field for a volume. |
| UserInt3     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 3  | User-defined integer field for a volume. |
| UserInt4     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 4  | User-defined integer field for a volume. |

**TABLE 3-9** Fields Specific to TMS Custom

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>              | <b>Description</b>                       |
|--------------|----------------------------------|---|------------------------------------|--|
| UserInt5     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 5 | User-defined integer field for a volume. |
| UserInt6     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 6 | User-defined integer field for a volume. |
| UserInt7     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 7 | User-defined integer field for a volume. |
| UserInt8     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 8 | User-defined integer field for a volume. |
| UserInt9     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 9 | User-defined integer field for a volume. |
| UserTime1    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 1    | User-defined time field for a volume.    |
| UserTime10   | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 10   | User-defined time field for a volume.    |
| UserTime2    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 2    | User-defined time field for a volume.    |
| UserTime3    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 3    | User-defined time field for a volume.    |
| UserTime4    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 4    | User-defined time field for a volume.    |
| UserTime5    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 5    | User-defined time field for a volume.    |
| UserTime6    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 6    | User-defined time field for a volume.    |

**TABLE 3-9** Fields Specific to TMS Custom

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>           | <b>Description</b>                    |
|--------------|----------------------------------|---|---------------------------------|---------------------------------------|
| UserTime7    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 7 | User-defined time field for a volume. |
| UserTime8    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 8 | User-defined time field for a volume. |
| UserTime9    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 9 | User-defined time field for a volume. |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

The default size for date fields is based on the date format used. If no format is specified, the default size is 7. For expiration date, the default size will be at least 10 to accommodate the special keywords.

The default size for time fields is based on the time format used. If no format is specified, the default size is 5.

## Fields Specific to TMS Open

**TABLE 3-10** Fields Specific to TMS Open

| Field          | Type<br>Size<br>Summary          | Where Available   | Report Heading                      | Description  |
|----------------|----------------------------------|---|-------------------------------------|--|
| Scratch<br>SCR | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | Scratch                             | The volume is classified as a scratch volume by LCM.                       |
| TMSBad         | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | TMS Bad                             | The volume has been marked defective in the tape management system.        |
| TMSExpired     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | TMS Expired                         | The volume is marked expired in the tape management system.                |
| TMSReel        | bool<br>See notes below.<br>true | Custom MVC_VTV<br>Report<br>Custom Volume Report                                | TMS Reel                            | The volume is marked as a 9-track reel tape in the tape management system. |
| TMSUse         | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report                      | TMS Use<br>Count                    | The number of times the volume has been used.                              |
| UserBool1      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 1  | User-defined Boolean field for a volume.                                   |
| UserBool10     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 10 | User-defined Boolean field for a volume.                                   |
| UserBool2      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 2  | User-defined Boolean field for a volume.                                   |
| UserBool3      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 3  | User-defined Boolean field for a volume.                                   |
| UserBool4      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 4  | User-defined Boolean field for a volume.                                   |
| UserBool5      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 5  | User-defined Boolean field for a volume.                                   |
| UserBool6      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 6  | User-defined Boolean field for a volume.                                   |

**TABLE 3-10** Fields Specific to TMS Open

| <b>Field</b> | <b>Type Size Summary</b>         | <b>Where Available</b>  | <b>Report Heading</b>                 | <b>Description</b>                         |
|--------------|----------------------------------|---|---------------------------------------|--|
| UserBool7    | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 7    | User-defined Boolean field for a volume.   |
| UserBool8    | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 8    | User-defined Boolean field for a volume.   |
| UserBool9    | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Boolean<br>Field 9    | User-defined Boolean field for a volume.   |
| UserChar1    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 1  | User-defined character field for a volume. |
| UserChar10   | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 10 | User-defined character field for a volume. |
| UserChar2    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 2  | User-defined character field for a volume. |
| UserChar3    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 3  | User-defined character field for a volume. |
| UserChar4    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 4  | User-defined character field for a volume. |
| UserChar5    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 5  | User-defined character field for a volume. |
| UserChar6    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 6  | User-defined character field for a volume. |
| UserChar7    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 7  | User-defined character field for a volume. |
| UserChar8    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 8  | User-defined character field for a volume. |

**TABLE 3-10** Fields Specific to TMS Open

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>                | <b>Description</b>                         |
|--------------|----------------------------------|---|--------------------------------------|--|
| UserChar9    | char<br>20<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Character<br>Field 9 | User-defined character field for a volume. |
| UserDate1    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 1      | User-defined date field for a volume.      |
| UserDate10   | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 10     | User-defined date field for a volume.      |
| UserDate2    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 2      | User-defined date field for a volume.      |
| UserDate3    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 3      | User-defined date field for a volume.      |
| UserDate4    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 4      | User-defined date field for a volume.      |
| UserDate5    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 5      | User-defined date field for a volume.      |
| UserDate6    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 6      | User-defined date field for a volume.      |
| UserDate7    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 7      | User-defined date field for a volume.      |
| UserDate8    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 8      | User-defined date field for a volume.      |
| UserDate9    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Date<br>Field 9      | User-defined date field for a volume.      |
| UserInt1     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 1   | User-defined integer field for a volume.   |

**TABLE 3-10** Fields Specific to TMS Open

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>               | <b>Description</b>                       |
|--------------|----------------------------------|---|-------------------------------------|--|
| UserInt10    | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 10 | User-defined integer field for a volume. |
| UserInt2     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 2  | User-defined integer field for a volume. |
| UserInt3     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 3  | User-defined integer field for a volume. |
| UserInt4     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 4  | User-defined integer field for a volume. |
| UserInt5     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 5  | User-defined integer field for a volume. |
| UserInt6     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 6  | User-defined integer field for a volume. |
| UserInt7     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 7  | User-defined integer field for a volume. |
| UserInt8     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 8  | User-defined integer field for a volume. |
| UserInt9     | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Integer<br>Field 9  | User-defined integer field for a volume. |
| UserTime1    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 1     | User-defined time field for a volume.    |
| UserTime10   | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 10    | User-defined time field for a volume.    |
| UserTime2    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 2     | User-defined time field for a volume.    |

**TABLE 3-10** Fields Specific to TMS Open

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>           | <b>Description</b>                    |
|--------------|----------------------------------|---|---------------------------------|---------------------------------------|
| UserTime3    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 3 | User-defined time field for a volume. |
| UserTime4    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 4 | User-defined time field for a volume. |
| UserTime5    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 5 | User-defined time field for a volume. |
| UserTime6    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 6 | User-defined time field for a volume. |
| UserTime7    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 7 | User-defined time field for a volume. |
| UserTime8    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 8 | User-defined time field for a volume. |
| UserTime9    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | User-Defined<br>Time<br>Field 9 | User-defined time field for a volume. |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

The default size for date fields is based on the date format used. If no format is specified, the default size is 7. For expiration date, the default size will be at least 10 to accommodate the special keywords.

The default size for time fields is based on the time format used. If no format is specified, the default size is 5.

## Fields Specific to TMS TLMS

**TABLE 3-11** Fields Specific to TMS TLMS

| Field     | Type<br>Size<br>Summary          | Where Available   | Report Heading                 | Description  |
|-----------|----------------------------------|---|--------------------------------|--|
| BAAbdflg  | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Abend<br>Flag          | TLMS-specific abend flag.                            |
| BAAActive | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>File<br>Count          | TLMS-specific active file count.                     |
| BAAscbse  | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Associated<br>Base     | TLMS-specific associated base.                       |
| BAAscvol  | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Associated<br>Volume   | TLMS-specific associated volume.                     |
| BABlkcnt  | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Block<br>Count         | TLMS-specific block count.                           |
| BABlksiz  | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Block<br>Size          | TLMS-specific block size.                            |
| BABuydat  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Purchase<br>Date       | TLMS-specific purchase date.                         |
| BACdsexp  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Highest<br>Expire Date | TLMS-specific highest IBM expiration date on volume. |
| BACdsflg  | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>CDS<br>Flag            | TLMS-specific controlling data set flag.             |
| BACdskep  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Highest<br>Keep Date   | TLMS-specific highest keep date on volume.           |
| BACdsseq  | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>CDS<br>Seq Num         | TLMS-specific controlling data set sequence number.  |

**TABLE 3-11** Fields Specific to TMS TLMS

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>           | <b>Description</b>                                |
|--------------|----------------------------------|---|---------------------------------|---|
| BACHnvol     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>1st Volume<br>In Chain  | TLMS-specific 1st volume in chain.                |
| BACkptkn     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Checkpoint<br>Taken     | TLMS-specific check point taken (Y=Yes; B=No).    |
| BACIncnt     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Cleanings<br>Since Cert | TLMS-specific cleanings since certified.          |
| BACIndat     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Clean<br>Date           | TLMS-specific clean date.                         |
| BACpusmf     | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Creation<br>CPU SMFid   | TLMS-specific creation CPU SMF ID.                |
| BACredat     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Create<br>Date          | TLMS-specific create date.                        |
| BACreddn     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Creation<br>Dname       | TLMS-specific creation ddname.                    |
| BACredev     | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Creation<br>Drive       | TLMS-specific creation drive.                     |
| BACrejob     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Creation<br>Jobname     | TLMS-specific creation jobname.                   |
| BACrepgm     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Creation<br>Pgm         | TLMS-specific creation program name.              |
| BACrestp     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Creation<br>Stepname    | TLMS-specific creation stepname.                  |
| BACretim     | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Creation<br>Time        | TLMS-specific time of day the volume was created. |

**TABLE 3-11** Fields Specific to TMS TLMS

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>         | <b>Description</b>                              |
|--------------|----------------------------------|---|-------------------------------|---|
| BACreunt     | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Creation<br>Unit      | TLMS-specific creation unit.                    |
| BACrctnt     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Total<br>Certs        | TLMS-specific total certifications.             |
| BACrtdat     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Certification<br>Date | TLMS-specific certification date.               |
| BADamcde     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Damaged<br>Code       | TLMS-specific damaged code.                     |
| BADen        | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Density               | TLMS-specific density.                          |
| BADescde     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Destroyed<br>Code     | TLMS-specific destroyed code.                   |
| BADesdat     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Destroyed<br>Date     | TLMS-specific destroyed date.                   |
| BADsn        | char<br>44<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Data Set<br>Name      | TLMS-specific data set name.                    |
| BAErgcnt     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Current<br>Erase gaps | TLMS-specific current erase gaps on volume.     |
| BAErgmax     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Max Erase<br>Gaps     | TLMS-specific max erase gaps on volume.         |
| BAExpdat     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Expire<br>Date        | TLMS-specific IBM expiration date for data set. |
| BAFilent     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>File<br>Count         | TLMS-specific file count.                       |

**TABLE 3-11** Fields Specific to TMS TLMS

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>          | <b>Description</b>                      |
|--------------|----------------------------------|---|--------------------------------|---|
| BAFileseq    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>File Seq<br>In Chain   | TLMS-specific file sequence in chain.   |
| BAFlg001     | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Reserved<br>CA-1 Flag1 | TLMS-specific reserved for CA-1 FLG001. |
| BAFlg003     | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Reserved<br>CA-1 Flag3 | TLMS-specific reserved for CA-1 FLG003. |
| BAFlg004     | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Reserved<br>CA-1 Flag4 | TLMS-specific reserved for CA-1 FLG004. |
| BAFlg005     | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Reserved<br>TLMS Flag5 | TLMS-specific reserved for TLMS FLG005. |
| BAFlg006     | int<br>3<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Reserved<br>TLMS Flag6 | TLMS-specific reserved for TLMS FLG006. |
| BAKepdat     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Keep<br>Date           | TLMS-specific keep date for data set.   |
| BALabtyp     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Label<br>Type          | TLMS-specific label type.               |
| BALasdat     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Last Used<br>Date      | TLMS-specific last used date.           |
| BALasdev     | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Last Used<br>Drive     | TLMS-specific last used drive.          |
| BALasjob     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Last Used<br>Jobname   | TLMS-specific last used jobname.        |
| BALasunt     | char (alternate)<br>4<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Last Used<br>Unit      | TLMS-specific last used unit.           |

**TABLE 3-11** Fields Specific to TMS TLMS

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>            | <b>Description</b>                                |
|--------------|----------------------------------|---|----------------------------------|---|
| BALoc        | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Volume<br>Location       | TLMS-specific volume location.                    |
| BALoscd      | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Lost<br>Code             | TLMS-specific lost code.                          |
| BAMds1st     | char (alternate)<br>8<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-dsn<br>First Ptr   | TLMS-specific multi-dataset first chain pointer.  |
| BAMds1st     | char (alternate)<br>8<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-dsn<br>Last Ptr    | TLMS-specific multi-dataset last chain pointer.   |
| BAMovdat     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Date<br>Moved            | TLMS-specific date volume moved.                  |
| BAMvlcnt     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>BAMvltab<br>Volume Count | TLMS-specific count of volumes in BAMvltab.       |
| BAMvlseq1    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Seq Num 1   | TLMS-specific multi-volume sequence number 1.     |
| BAMvlseq2    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Seq Num 2   | TLMS-specific multi-volume sequence number 2.     |
| BAMvlseq3    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Seq Num 3   | TLMS-specific multi-volume sequence number 3.     |
| BAMvlseq4    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Seq Num 4   | TLMS-specific multi-volume sequence number 4.     |
| BAMvlseq5    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Seq Num 5   | TLMS-specific multi-volume sequence number 5.     |
| BAMvlvol1    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Serial 1    | TLMS-specific multi-volume chain serial number 1. |

**TABLE 3-11** Fields Specific to TMS TLMS

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>            | <b>Description</b>  |
|--------------|----------------------------------|---|----------------------------------|---|
| BAMvlvol2    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Serial 2    | TLMS-specific multi-volume chain serial number 2.                             |
| BAMvlvol3    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Serial 3    | TLMS-specific multi-volume chain serial number 3.                             |
| BAMvlvol4    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Serial 4    | TLMS-specific multi-volume chain serial number 4.                             |
| BAMvlvol5    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>Serial 5    | TLMS-specific multi-volume chain serial number 5.                             |
| BAOutsrv     | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Out of Service<br>Code   | TLMS-specific out of service code. Contains BALoscde, BADamcde, and BAdescde. |
| BARecsiz     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>LRECL                    | TLMS-specific logical record length.  |
| BARederr     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Temporary<br>Read Errors | TLMS-specific current temporary read errors.                                  |
| BARfm        | char<br>3<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Record<br>Format         | TLMS-specific record format.  |
| BARtncnt1    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Count - 1   | TLMS-specific retention count for retention entry 1.                          |
| BARtncnt2    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Count - 2   | TLMS-specific retention count for retention entry 2.                          |
| BARtncnt3    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Count - 3   | TLMS-specific retention count for retention entry 3.                          |
| BARtncnt4    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Count - 4   | TLMS-specific retention count for retention entry 4.                          |

**TABLE 3-11** Fields Specific to TMS TLMS

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>          | <b>Description</b>  |
|--------------|----------------------------------|---|--------------------------------|---|
| BARtncnt5    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Count - 5 | TLMS-specific retention count for retention entry 5.  |
| BARtncnt6    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Count - 6 | TLMS-specific retention count for retention entry 6.  |
| BARtndev     | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Cabinet<br>Slot        | TLMS-specific box or cabinet/slot.  |
| BARtnLoc1    | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Loc - 1   | TLMS-specific user retention location for retention entry 1.  |
| BARtnLoc2    | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Loc - 2   | TLMS-specific user retention location for retention entry 2.  |
| BARtnLoc3    | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Loc - 3   | TLMS-specific user retention location for retention entry 3.  |
| BARtnLoc4    | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Loc - 4   | TLMS-specific user retention location for retention entry 4.  |
| BARtnLoc5    | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Loc - 5   | TLMS-specific user retention location for retention entry 5.  |
| BARtnLoc6    | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Loc - 6   | TLMS-specific user retention location for retention entry 6.  |
| BARtnptr     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Entry     | TLMS-specific offset of active retention entry.   |
| BARtnsrc     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Source    | TLMS-specific retention source. ' ' (blank) = No retention data; '1' = From RMF; '2' = From JCL; '3' = From manual update.  |
| BARtntyp1    | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Type - 1  | TLMS-specific user retention type for retention entry 1. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |

**TABLE 3-11** Fields Specific to TMS TLMS

| Field     | Type Size Summary                | Where Available   | Report Heading                | Description   |
|-----------|----------------------------------|---|-------------------------------|---|
| BARtntyp2 | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Type - 2 | TLMS-specific user retention type for retention entry 2. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp3 | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Type - 3 | TLMS-specific user retention type for retention entry 3. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp4 | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Type - 4 | TLMS-specific user retention type for retention entry 4. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp5 | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Type - 5 | TLMS-specific user retention type for retention entry 5. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BARtntyp6 | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Retention<br>Type - 6 | TLMS-specific user retention type for retention entry 6. '1' = Catalog control; '2' = Date control; '3' = Catalog and age; '4' = Cycle control; '5' = Age; '6' = Move immediate control; '7' = Manual control; '8' = Days since last used; '9' = Expiration date. |
| BAScrdat  | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Scratch<br>Date       | TLMS-specific date volume scratched.  |
| BAScruid  | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Scratched<br>ID       | TLMS-specific scratched by ID. '1' = TRS; '2' = JCL; '3' = Manual; '4' = External data manager.   |
| BASmsmgt  | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Mgmt<br>Class         | TLMS-specific SMS management class  |
| BASpcchn  | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Special<br>Chaining   | TLMS-specific special chaining (chained for moves).   |
| BASpnflg  | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Spanned<br>Flag       | TLMS-specific spanned data set flag (1=spanned).  |
| BASrvscr  | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Serv/Scr<br>Indicator | TLMS-specific service/scratch indicator. '0' = Skipped segment record; '1' = In service/Non scratch; '2' = In service/Scratch; '3' = Out service/Non scratch; '4' = Out Service/Scratch.  |

**TABLE 3-11** Fields Specific to TMS TLMS

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>           | <b>Description</b>  |
|--------------|----------------------------------|---|---------------------------------|---|
| BATaplen     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Tape<br>Length          | TLMS-specific tape length.                                    |
| BATapmod     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Recording<br>Technique  | TLMS-specific track recording technique.                      |
| BATaptyp     | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Tape<br>Type            | TLMS-specific tape type.                                      |
| BATrspro     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>TRS<br>Processed        | TLMS-specific TRS has processed this volume.                  |
| BAUnisrt     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Sort<br>Unique          | TLMS-specific sort unique code.                               |
| BAUsebuy     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Uses Since<br>Purchased | TLMS-specific uses since purchased.                           |
| BAUsecln     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Uses Since<br>Cleaned   | TLMS-specific uses since cleaned.                             |
| BAUsecert    | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Uses Since<br>Certified | TLMS-specific uses since certified.                           |
| BAUsr001     | char<br>15<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Job<br>Accounting       | TLMS-specific user data. (Defaults to job accounting - TCB).  |
| BAUsr002     | char<br>15<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Programmer<br>Name      | TLMS-specific user data. (Defaults to programmer name - TCB). |
| BAUsr003     | char<br>29<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>User<br>Data            | TLMS-specific user data area.                                 |
| BAVender     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Manufacturer<br>Code    | TLMS-specific user updated manufacturer code.                 |

**TABLE 3-11** Fields Specific to TMS TLMS

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>          | <b>Description</b>   |
|--------------|----------------------------------|---|--------------------------------|--|
| BAVol1st     | char (alternate)<br>8<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-vol<br>First Ptr | TLMS-specific multi-volume first volume serial number pointer. |
| BAVolcnt     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Volume<br>Count        | TLMS-specific volume count.                                    |
| BAVol1st     | char (alternate)<br>8<br>none    | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Multi-Vol<br>Last Ptr  | TLMS-specific multi-volume last chain pointer.                 |
| BAVolown     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Volume<br>Owner        | TLMS-specific volume owner.                                    |
| BAVolseq     | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Volume<br>Seq          | TLMS-specific volume sequence number.                          |
| BAVolser     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | TLMS<br>Volume<br>Serial       | TLMS-specific volume serial number                             |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

The default size for date fields is based on the date format used. If no format is specified, the default size is 7. For expiration date, the default size will be at least 10 to accommodate the special keywords.

The default size for time fields is based on the time format used. If no format is specified, the default size is 5.

# Fields Specific to TMS RMM

**TABLE 3-12** Fields Specific to TMS RMM

| Field    | Type<br>Size<br>Summary          | Where Available   | Report Heading                    | Description   |
|----------|----------------------------------|---|-----------------------------------|---|
| RVAbend  | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Dataset<br>Closed by abend | RMM specific volume was closed by abend.  |
| RVAccinf | char<br>40<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Accounting<br>Information  | RMM specific volume accounting information.   |
| RVAcclst | int<br>4<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Num Access<br>List Entries | RMM specific volume number of access list entries. Only available in the extract file, not through the API.   |
| RVActera | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Pending<br>Erase           | RMM specific volume pending action is erase volume.   |
| RVActini | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Pending<br>Initialize      | RMM specific volume pending action is initialize volume.  |
| RVAction | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Pending<br>Actions         | RMM specific pending actions. Characters are 'return to scratch', 'replace volume', 'return to owner', 'initialize', 'erase', 'notify', 'reserved', 'reserved'. |
| RVActnot | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Pending<br>Notify          | RMM specific volume pending action is notify.   |
| RVActrep | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Replace<br>Volume          | RMM specific volume pending action is replace volume.   |
| RVActret | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Return<br>Owner            | RMM specific volume pending action is return to owner.  |
| RVActscr | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Return to<br>Scratch       | RMM specific volume pending action is return to scratch.  |
| RVAlcur  | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Current<br>Label Version   | RMM specific Ansi current label version. One of blank, 1, 3, or 4.  |

**TABLE 3-12** Fields Specific to TMS RMM

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>            | <b>Description</b>   |
|--------------|----------------------------------|---|----------------------------------|--|
| RVAIreq      | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Required<br>Label Version | RMM specific Ansi required label version. One of blank, 1, 3, or 4.  |
| RVAIvers     | char<br>2<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Ansi<br>Label             | RMM specific Ansi label version. First character is current label version, second characr is required label version. Each character is one of blank, 1, 3, or 4. |
| RVAIdate     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Assigned<br>Date          | RMM specific assigned date.  |
| RVAItime     | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Assigned<br>Time          | RMM specific volume assigned time.   |
| RVAIutids    | char<br>96<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Authorised<br>User Ids    | RMM specific volume authorised user ids.   |
| RVAIblp      | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Last Written<br>BLP       | RMM specific volume last written with BLP.   |
| RVAImedn     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Bin<br>Media Name         | RMM specific volume bin media name.  |
| RVAIcapacity | int<br>10<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Capacity<br>In MBytes     | RMM specific volume capacity in MBytes.  |
| RVAIcomp     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Compaction<br>Used        | RMM specific compaction used -Y/N.   |
| RVAIcontr    | char<br>16<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>In Container<br>Name      | RMM specific volume In container name  |
| RVAIcrdate   | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Create<br>Date            | RMM specific volume create date.   |
| RVAIcrjob    | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Create<br>Jobname         | RMM specific volume creating jobname.  |

**TABLE 3-12** Fields Specific to TMS RMM

| <b>Field</b>    | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>              | <b>Description</b>  |
|-----------------|----------------------------------|---|------------------------------------|---|
| RVCrsid         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Create<br>System ID         | RMM specific volume create system id.   |
| RVCrtime        | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Create<br>Time              | RMM specific volume create time.  |
| RVCruid         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Create<br>Userid            | RMM specific volume create userid.  |
| RVDersid        | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>File1 Create<br>Userid      | RMM specific volume first file create system id.  |
| RVDdefret       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Default<br>Retention        | RMM specific volume default retention is used.  |
| RVDden          | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Recording<br>Density        | RMM specific volume recording density.  |
| RVDdest         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Destination<br>Name         | RMM specific destination location name. One of: shelf, local, remote, distant, or sms-defined library name. |
| RVDdestbin      | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Destination<br>Bin No.      | RMM specific destination bin number.  |
| RVDdestbinmedia | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Dest Bin<br>Media           | RMM specific destination bin media number.  |
| RVDdestyp       | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Destination<br>Type         | RMM specific destination type. One of: A-auto, M-manual, S-store or blank.                                  |
| RVDsnam1        | char<br>44<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>First file<br>Data set name | RMM specific first file data set name.  |
| RVDsnno         | int<br>5<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Number of<br>Datasets       | RMM specific number of datasets on volume. This is the new field of length 5.                               |

**TABLE 3-12** Fields Specific to TMS RMM

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>              | <b>Description</b>  |
|--------------|----------------------------------|---|------------------------------------|---|
| RVDSnnoOld   | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Number of<br>Datasets       | RMM specific number of datasets on volume. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVDSnrec     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>DS<br>Recording             | RMM specific volume DS recording.   |
| RVEraser     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Security<br>Erase           | RMM specific volume must be security erased.  |
| RVExpdt      | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Expiration<br>Date          | RMM specific volume expiration date.  |
| RVExpdto     | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Expiration<br>Date Original | RMM specific volume original expiration date.   |
| RVFeat       | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Feature<br>Code             | RMM specific volume feature code.   |
| RVHloc       | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Home<br>Location            | RMM specific home location name.  |
| RVHomtyp     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Home<br>Location Type       | RMM specific home location type. One of: A-auto, M-manual, or blank.  |
| RVInit       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Reinitialize                | RMM specific volume should be reinitialized.  |
| RVImmuse     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>IRMM<br>Use                 | RMM specific IRMM Use.  |
| RVKeyencod1  | char<br>5<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Encrypt Key<br>Encoding 1   | RMM specific encrypt key encoding method 1.   |
| RVKeyencod2  | char<br>5<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Encrypt Key<br>Encoding 2   | RMM specific encrypt key encoding method 2.   |

**TABLE 3-12** Fields Specific to TMS RMM

| Field       | Type Size Summary                | Where Available   | Report Heading                   | Description   |
|-------------|----------------------------------|---|----------------------------------|---|
| RVKeyLabel1 | char<br>64<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Encryption<br>Key Label 1 | RMM specific volume encryption key label 1  |
| RVKeyLabel2 | char<br>64<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Encryption<br>Key Label 2 | RMM specific volume encryption key label 2.   |
| RVLLabel    | char<br>3<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Label<br>Type             | RMM specific label type SL/AL/NL/SUL/AUL.   |
| RVLabno1    | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Label No<br>First File    | RMM specific label number of first file. This is the new field of length 5.   |
| RVLabno1Old | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Label No<br>First File    | RMM specific label number of first file. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVLcdate    | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Last Change<br>Date       | RMM specific volume last changed date.  |
| RVLcdate1   | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Last Change<br>Date       | RMM specific volume last changed date.  |
| RVLcsid     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Last Change<br>Systemid   | RMM specific volume last changed systemid. Only available in the extract file, not through the API.                                       |
| RVLctime    | time<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Last Change<br>Time       | RMM specific volume last changed time. Only available in the extract file, not through the API.   |
| RVLcuid     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Last Change<br>Userid     | RMM specific volume last changed userid.  |
| RVLloan     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>On<br>Loan                | RMM specific volume on loan.  |
| RVLloctyp   | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Location<br>Type          | RMM specific location type. One of: A-auto, M-manual, S-store or blank.   |

**TABLE 3-12** Fields Specific to TMS RMM

| <b>Field</b>     | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>          | <b>Description</b>  |
|------------------|----------------------------------|---|--------------------------------|---|
| RVLonloc         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Loan<br>Location        | RMM specific loan location name.                            |
| RVLrddat         | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Date<br>Last read       | RMM specific date volume last read.                         |
| RVLudev          | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Last Used<br>Drive      | RMM specific last used drive.                               |
| RVLwtdat         | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Date<br>Last written    | RMM specific date volume last written.                      |
| RVMedatr         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Media<br>Attribute      | RMM specific special attributes. One of: none, rdcompat.    |
| RVMedcmp         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Compaction<br>Technique | RMM specific compaction technique. One of: *, none, idrc.   |
| RVMedinf         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Media<br>Info           | RMM specific volume media information.                      |
| RVMedrec         | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Recording<br>Format     | RMM specific recording format. One of: *, 18track, 36track. |
| RVMedty          | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Media<br>Type           | RMM specific media type. One of: *, cst, eccst.             |
| RVMvmode         | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Move<br>Mode            | RMM specific move mode. One of A-automove, M-manualmove.    |
| RVMvsuse         | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>MVS<br>Use              | RMM specific volume used on MVS.                            |
| RVName<br>RVUnit | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Media<br>Name           | RMM specific volume media name.                             |

**TABLE 3-12** Fields Specific to TMS RMM

| <b>Field</b> | <b>Type<br/>Size<br/>Summary</b> | <b>Where Available</b>  | <b>Report Heading</b>             | <b>Description</b>   |
|--------------|----------------------------------|---|-----------------------------------|--|
| RVNextyp     | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Next<br>Location Type      | RMM specific next location type. One of: A-auto, M-manual, S-store or blank. |
| RVNloc       | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Required<br>Location       | RMM specific required location name as determined by VRS or command.         |
| RVNtfy       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Notify<br>Owner            | RMM specific volume should notify owner.                                     |
| RVObin       | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Old<br>Bin No.             | RMM specific old bin number.   |
| RVObmedn     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Previous Bin<br>Media Name | RMM specific volume previous bin media name.                                 |
| RVOcer       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Recorded<br>O/C/EOV        | RMM specific volume is recorded O/C/EOV.                                     |
| RVOInloc     | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Old Loan<br>Location       | RMM specific old loan location name.   |
| RVOloc       | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Old<br>Location            | RMM specific old location name.  |
| RVOpen       | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Is<br>Opened               | RMM specific volume is opened.   |
| RVOwnac      | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Owner<br>Access            | RMM specific owner access. One of R/U/A.                                     |
| RVOwnid      | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Owner<br>Userid            | RMM specific volume owner userid.  |
| RVPendrs     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Pending<br>Release         | RMM specific volume pending release.   |

**TABLE 3-12** Fields Specific to TMS RMM

| Field      | Type<br>Size<br>Summary          | Where Available   | Report Heading                   | Description  |
|------------|----------------------------------|---|----------------------------------|--|
| RVPercent  | int<br>5<br>avg                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Percentage<br>Full        | RMM specific percentage full.  |
| RVPpnum    | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Program<br>Product        | RMM specific program product number.   |
| RVPtape    | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Program<br>Product        | RMM specific volume is a program product tape.   |
| RVPrerr    | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Permanent<br>Read Errors  | RMM specific number of permanent read errors for the volume. This is the new one of length 5.  |
| RVPrerrOld | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Permanent<br>Read Errors  | RMM specific number of permanent read errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API.  |
| RVPwerr    | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Permanent<br>Write Errors | RMM specific number of permanent write errors for the volume. This is the new one of length 5.   |
| RVPwerrOld | int<br>5<br>sum                  | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Permanent<br>Write Errors | RMM specific number of permanent write errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API. |
| RVRack     | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Rack<br>Number            | RMM specific volume rack number.   |
| RVRbyset   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Retained<br>By Set        | RMM specific volume retained by set.   |
| RVRelixd   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Ignore<br>Expdt           | RMM specific volume VRS release option ignore expdt.   |
| RVRelsi    | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Scratch<br>Immediate      | RMM specific volume VRS release option scratch immediate.  |
| RVRepl     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Replace on<br>Release     | RMM specific volume should be replaced on release.   |

**TABLE 3-12** Fields Specific to TMS RMM

| Field             | Type<br>Size<br>Summary          | Where Available   | Report Heading              | Description   |
|-------------------|----------------------------------|---|-----------------------------|---|
| RVRetns           | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Return<br>Action     | RMM specific volume return action - owner/scratch.  |
| RVRppty           | char<br>4<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Movement<br>Priority | RMM specific movement priority. Only available in the extract file, not through the API.              |
| RVSeclev          | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Sec Level<br>Short   | RMM specific security level - short.  |
| RVSeclng          | char<br>30<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Sec Level<br>Long    | RMM specific security level - long.   |
| RVSgname          | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Storage<br>Group     | RMM specific storage group name.  |
| RVStackedvolcount | int<br>10<br>sum                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Stacked<br>Vol Count | RMM specific count of volumes stacked on a volume. Maintained if stacked volume fully enabled.        |
| RVStackvolEnabled | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Stacked<br>Enabled   | RMM specific stacked volume record enabled and synchronized.  |
| RVStatus          | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Volume<br>Status     | RMM specific volume status. One of MASTER, USER, SCRATCH, INIT, ENTRY.                                |
| RVStbin           | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Store<br>Bin No.     | RMM specific store bin number.  |
| RVStdate          | date<br>See notes below.<br>none | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Date<br>Stored       | RMM specific date stored.   |
| RVStorid          | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Store<br>Location    | RMM specific Store location name. One of: shelf, local, remote, distant, or sms-defined library name. |
| RVTrans           | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>In<br>Transit        | RMM specific volume in transit.   |

**TABLE 3-12** Fields Specific to TMS RMM

| Field      | Type<br>Size<br>Summary | Where Available   | Report Heading                   | Description  |
|------------|-------------------------|---|----------------------------------|--|
| RVTrerr    | int<br>5<br>sum         | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Temporary<br>Read Errors  | RMM specific number of temporary read errors for the volume. This is the new field of length five.   |
| RVTrerrOld | int<br>5<br>sum         | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Temporary<br>Read Errors  | RMM specific number of temporary read errors for the volume. This is the old one of length 4 in the extract file. This field is not applicable for the API.    |
| RVTuse     | int<br>10<br>none       | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Usage<br>In KBytes        | RMM specific tape usage in kbytes.   |
| RVTwerr    | int<br>5<br>sum         | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Temporary<br>Write Errors | RMM specific number of temporary write errors for the volume. This is the new one of length 5.   |
| RVTwerrOld | int<br>5<br>sum         | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Temporary<br>Write Errors | RMM specific number of temporary write errors for the volume. This is the old field of length 4 in the extract file. This field is not applicable for the API. |
| RVType     | char<br>1<br>none       | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Record<br>Type            | RMM specific record type, V for volume, X for extended records.  |
| RVUuse     | int<br>5<br>none        | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Use<br>Count              | RMM specific use count. This is the new field with length 5.   |
| RVUsefld   | char<br>30<br>none      | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>User<br>Description       | RMM specific volume user description.  |
| RVUseOld   | int<br>4<br>none        | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Use<br>Count Old          | RMM specific use count. This is the old field with length 4 in the extract file. This field is not applicable for the API.                                     |
| RVUserac   | char<br>1<br>none       | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>User<br>Access            | RMM specific user access. One of R/U.  |
| RVVendor   | char<br>8<br>none       | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Vendor<br>Info            | RMM specific vendor information.   |
| RVVer      | char<br>6<br>none       | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>V/R/M<br>Number           | RMM specific version/release/mod number.   |

**TABLE 3-12** Fields Specific to TMS RMM

| Field     | Type Size Summary                | Where Available   | Report Heading              | Description   |
|-----------|----------------------------------|---|-----------------------------|---|
| RVVmime   | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>VM<br>Use            | RMM specific volume used on VM.                                     |
| RVVol1    | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Vol1<br>Label        | RMM specific vol1 label volser.                                     |
| RVValseq  | int<br>4<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Volume<br>Sequence   | RMM specific volume sequence number.                                |
| RVVolsr   | char<br>6<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Volume<br>Serial     | RMM specific volume serial number                                   |
| RVVoltype | char<br>1<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Volume<br>Type       | RMM specific volume type. One of: L-logical, P-physical, S-stacked. |
| RVVrs     | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Vital<br>Record      | RMM specific volume covered by vital record.                        |
| RVVrsrel  | char<br>8<br>none                | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Release<br>Options   | RMM specific volume release options.                                |
| RVVwmc    | int<br>7<br>none                 | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Write Mount<br>Count | RMM specific write mount count.                                     |
| RVWorm    | bool<br>See notes below.<br>true | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>WORM                 | RMM specific WORM.  |
| RVWwid    | char<br>24<br>none               | Action<br>Custom MVC_VTV<br>Report<br>Custom Volume Report<br>Method Assignment | RMM<br>Unique<br>World ID   | RMM specific unique world wide id.                                  |

Normal character fields use the normal collating sequence for comparing and sorting. All lower case alphabetic characters come before all upper case alphabetic characters, and numeric characters come after all alphabetic characters. Comparisons to quoted strings are not case-sensitive.

Character fields marked as "alternate" use the alternate collating sequence for comparing and sorting. All lower case alphabetic characters are mapped to their corresponding upper case character, and numeric characters come before all alphabetic characters.

The size for type Boolean fields defaults to the length of the TRUEVALUE or FALSEVALUE parameter, whichever is longer. The default size is 3 if neither of these parameters is coded.

The default size for date fields is based on the date format used. If no format is specified, the default size is 7. For expiration date, the default size will be at least 10 to accommodate the special keywords.

The default size for time fields is based on the time format used. If no format is specified, the default size is 5.

## Valid Formats for Date/Time Fields

**TABLE 3-13** Valid Formats for Date Fields

| Type        | Size | Example                            |
|-------------|------|------------------------------------|
| yyddd       | 5    | 97248                              |
| ccyyddd     | 7    | 1997248                            |
| yy.ddd      | 6    | 97.248                             |
| ccyy.ddd    | 8    | 1997.248                           |
| mm/dd/yy    | 8    | 09/05/97                           |
| mm/dd/ccyy  | 10   | 09/05/1997                         |
| yy-mm-dd    | 8    | 97-09-05                           |
| yyyy-mm-dd  | 10   | 2000-09-05<br>This is the default. |
| dd_mmm_yy   | 9    | 09 Sep 97                          |
| dd_mmm_ccyy | 11   | 09 Sep 1997                        |
| ddmmmyy     | 7    | 09Sep98                            |
| ddmmccyy    | 9    | 09Sep1997                          |
| textdate    | 18   | September 9, 1997                  |
| textdaydate | 29   | Wednesday, September 10, 1997      |

**TABLE 3-14** Valid Formats for Time Fields

| Type        | Size | Example                          |
|-------------|------|----------------------------------|
| hh:mm       | 5    | 22:21                            |
| hh:mm:ss    | 8    | 22:21:32<br>This is the default. |
| hh:mm:ss_pm | 11   | 10:21:32 PM                      |



## Additional Information

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Oracle Corporation (Oracle) offers several methods for you to obtain additional information.

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### Oracle's External Web Site

Oracle's external Web site provides marketing, product, event, corporate, and service information. The external Web site is accessible to anyone with a Web browser and an Internet connection. The URL for the Oracle external Web site is: <http://www.oracle.com/us/index.html>

The URL for Oracle's StorageTek storage information for is:

<http://www.oracle.com/us/products/servers-storage/storage/index.html>

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### Oracle's StorageTek Documentation

The URL for Oracle's StorageTek documentation is:

<http://docs.sun.com/app/docs>

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### Oracle Global Partners

The Oracle Global Partners site provides information about solutions available with Oracle's partners:

<http://www.oracle.com/partners/index.html>

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## Third-Party Web Sites

Oracle is not responsible for the availability of third-party web sites mentioned in this document. Oracle does not endorse and is not responsible or liable for any content, advertising, products, or other materials that are available on or through such sites or resources. Oracle will not be responsible or liable for any actual or alleged damage or loss caused by or in connection with the use of or reliance on any such content, goods, or services that are available on or through such sites or resources.

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## Oracle's Global Offices

You may contact any of Oracle's worldwide offices to discuss complete storage, service, and support solutions for your organization. You can find contact information at:  
<http://www.oracle.com/corporate/contact/global.html>

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## Customer Support

For more information about Oracle support (including for StorageTek branded products) see:  
<http://www.oracle.com/us/support/index.html>

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# Conventions for Reader Usability

Conventions are used to shorten and clarify explanations and examples within this book.

## Typographic

The following typographical conventions are used in this book:

- **Bold** is used to introduce new or unfamiliar terminology.
- Letter Gothic is used to indicate command names, filenames, and literal output by the computer.
- Letter Gothic Bold is used to indicate literal input to the computer.
- *Letter Gothic Italic* is used to indicate that you must substitute the actual value for a command parameter. In the following example, you would substitute your name for the “username” parameter.
- Logon *username*
- A bar ( | ) is used to separate alternative parameter values. In the example shown below either username or systemname must be entered.
- Logon *username|systemname*
- Brackets [ ] are used to indicate that a command parameter is optional.
- Ellipses ( ... ) are used to indicate that a command may be repeated multiple times.
- The use of mixed upper and lower case characters (for non–case sensitive commands) indicates that lower case letters may be omitted to form abbreviations. For example, you may simply enter **Q** when executing the **Quit** command.

## Keys

Single keystrokes are represented by double brackets [[ ]] surrounding the key name. For example, press [[ESC]] indicates that you should press only the escape key.

Combined keystrokes use double brackets and the plus sign (+). The double brackets surround the key names and the plus sign is used to add the second keystroke. For example, press [[AL]] + [[C]] indicates that you should press the alternate key and the C key simultaneously.

## Enter Command

The instruction to “press the [[ENTER]] key” is omitted from most examples, definitions, and explanations in this book.

For example, if the instructions asked you to “enter” **Logon pat**, you would type in **Logon pat** and press [[ENTER]].

However, if the instructions asked you to “type” **Logon pat**, you would type in **Logon pat** and you would *not* press [[ENTER]].

## Warnings, Cautions, and Notes - Software

The following are used in software documentation.

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**Caution** – Information necessary to keep you from corrupting your data.

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**Tip** – Information that can be used to shorten or simplify your task or they may simply be used as a reminder.

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**Note** – Information that may be of special interest to you. Notes are also used to point out exceptions to rules or procedures.

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## Warnings, Cautions, and Notes - Hardware

The following are used in hardware documentation.

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**Note** – A note provides additional information that is of special interest. A note might point out exceptions to rules or procedures. A note usually, but not always, follows the information to which it pertains.

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**Caution** – A caution informs you of conditions that might result in damage to hardware, corruption of data, or corruption of application software. A caution always precedes the information to which it pertains.

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**Warning – Possible Physical Injury.** A warning alerts you to conditions that might result in long-term health problems, injury, or death. A warning always precedes the information to which it pertains.

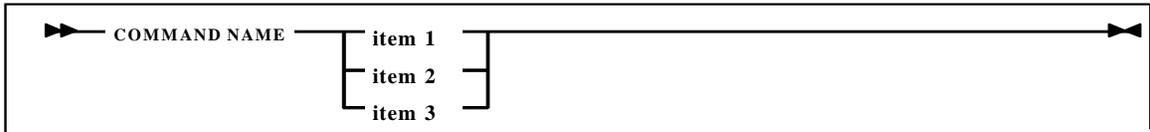
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# Syntax

Syntax flow diagram conventions include the following:

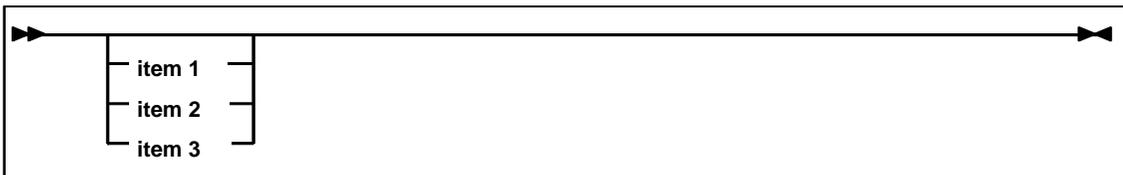
**Flow Lines**—Syntax diagrams consist of a horizontal baseline, horizontal and vertical branch lines and the command text. Diagrams are read left to right and top to bottom. Arrows show flow and direction.



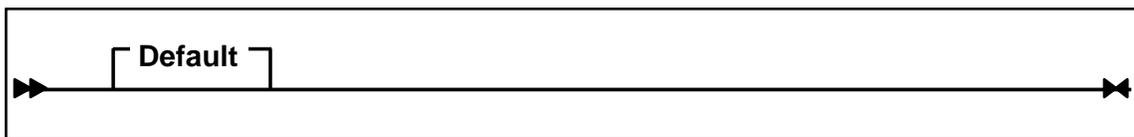
**Single Required Choice**—Branch lines (without repeat arrows) indicate that a single choice must be made. If one of the items to choose from is on the baseline of the diagram, one item must be selected.



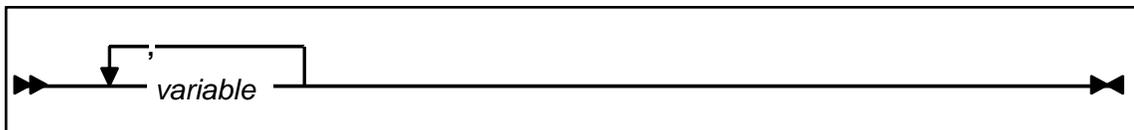
**Single Optional Choice**—If the first item is on the line below the baseline, one item may optionally be selected.



**Defaults**—Default values and parameters appear above the baseline.



**Repeat Symbol**—A repeat symbol indicates that more than one choice can be made or that a single choice can be made more than once. The repeat symbol shown in the following example indicates that a comma is required as the repeat separator.



**Keywords**—All command keywords are shown in all upper case or in mixed case. When commands are not case sensitive, mixed case implies that the lowercase letters may be omitted to form an abbreviation.

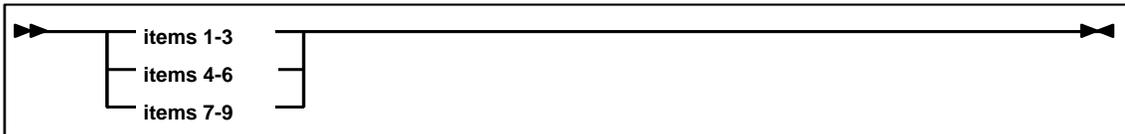
**Variables**—Italic type is used to indicate a variable.

**Alternatives**—A bar ( | ) is used to separate alternative parameter values.

**Optional**—Brackets [ ] are used to indicate that a command parameter is optional.

**Delimiters**—If a comma (,), a semicolon (;), or other delimiter is shown with an element of the syntax diagram, it must be entered as part of the statement or command.

**Ranges**—An inclusive range is indicated by a pair of elements of the same length and data type, joined by a dash. The first element must be strictly less than the second element.



**Lists**—A list consists of one or more elements. If more than one element is specified, the elements must be separated by a comma or a blank and the entire line must be enclosed by parentheses.

