

OS/390



# DFSMSHsm Storage Administration Reference Summary

*Release 10*



OS/390



# DFSMSHsm Storage Administration Reference Summary

*Release 10*

**First Edition (September 2000)**

This edition applies to Version 2 Release 10 of OS/390 (5647-A01) and to all subsequent releases and modifications until otherwise indicated in new editions.

This edition replaces SX26-3808-04.

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## Chapter 1. Syntax of DFSMSHsm Commands

Positional parameters follow the command name in a prescribed sequence. They are shown in *lowercase italic* characters.

**Keyword parameters** are specific names or symbols that have meaning to the system. They are shown in **UPPERCASE BOLDFACE** characters. When a value can be supplied with a keyword, it is shown in *lowercase italic* characters.

Delimiters are blanks or commas used for separation. The command name must be separated from the first parameter by one or more blanks. One parameter must be separated from another by one or more blanks or by a comma. A semicolon cannot be used as a delimiter because any characters following a semicolon are ignored. Comment delimiters are */\** and *\*/*.

Line continuations are specified by a plus or minus sign as the last character of a current line.

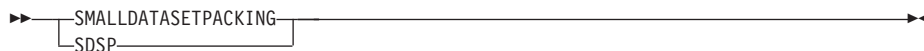
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### How to Read Syntax Diagrams

To read syntax diagrams, follow one line at a time from the beginning to the end, and code everything you encounter on that line.

The following conventions apply to all syntax diagrams for DFSMSHsm commands:

- Read the syntax diagrams from left to right and top to bottom.
- Each syntax diagram begins with a double arrowhead (▶▶) and ends with opposing arrows (◀◀).
- An arrow (→) at the end of a line indicates that the syntax continues on the next line. A continuation line begins with an arrow (▶→).
- Some commands and keywords have alternative abbreviations; these appear as part of the stack for that command or keyword. For example, the alternative abbreviation for SMALLDATASETPACKING is SDSP.



- Words in all lowercase *italic* letters represent information you supply. For example, *volser* or *dsname*.

- You must provide all items enclosed in parentheses, ( ), and you must include the parentheses.
- Where you can choose from two or more keywords, the choices are stacked one above the other. If one choice within the stack lies on the main path, you must choose a keyword. In the following example you must choose either BACKUP, DUMP, or MIGRATION.



- If one or more keywords are below the main path, they are optional. In the following example, DAILY and SPILL are optional keywords. You can choose one or the other, or none.



- If a stack of keywords are below the main path and one keyword is above the main path, the use of the keyword is optional, and the above item is the default. In the following example, if no keywords are specified, the default is SYSOUT.



- The repeat symbol is shown below:



The repeat symbol appearing above keywords and variables indicates that you can specify those keywords and variables more than once. If a comma appears in the repeat symbol, you must separate repeated keywords or variables with a comma or any valid separator.



For example, after the keyword VOLUMES, you can enter multiple volume serial numbers separated by commas.

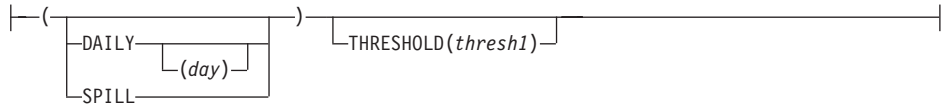


- Substitution blocks are used to simplify the diagrams. They indicate that blocks of the syntax diagram are located outside of the main diagram. You insert the keywords for that block where the symbol appears, and return to the main diagram to continue with the command.

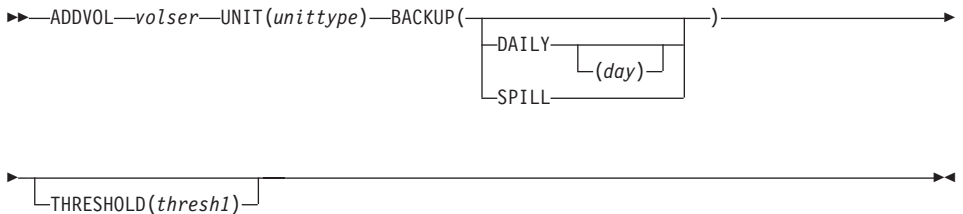
In the following example the substitution block, Fragment A, points to a block of the syntax diagram that immediately follows the BACKUP keyword.



**A: BACKUP Optional Parameters:**

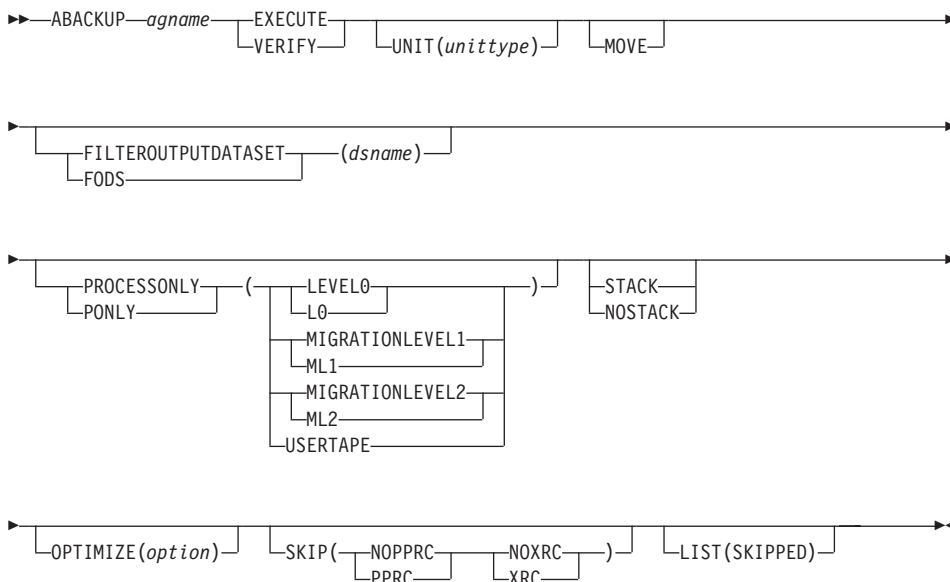


The above example is equivalent to the following:





## Chapter 2. ABACKUP: Backing Up Aggregated Data Sets

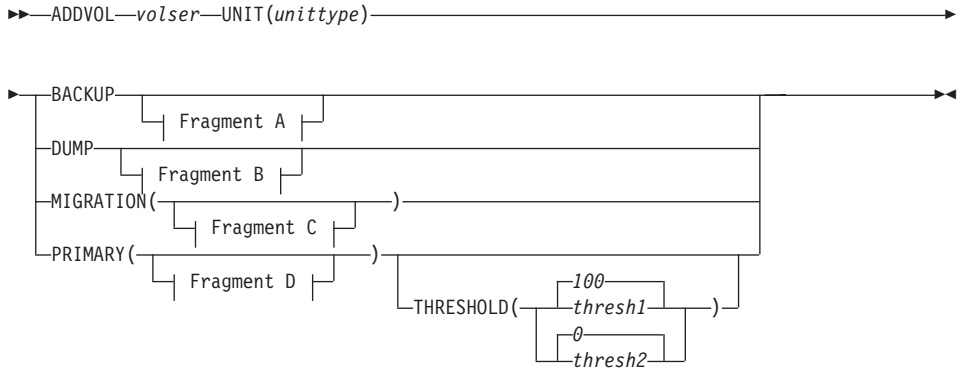


### Notes:

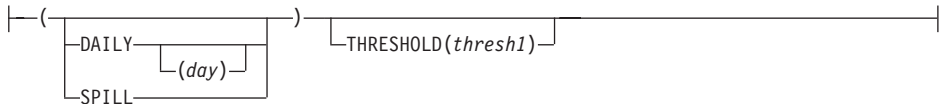
1. SMS must be active on your system before you can issue the ABACKUP command.
2. The SETSYS MAXABARSADDRESSSPACE command determines the number of ABACKUP commands that can run at one time. The maximum number is 64.
3. Only one ABACKUP command for each aggregate group name can process at one time.
4. In a multiple address space for DFSMSHsm environment, ABARS commands, like ABACKUP, can only be issued by the host identified as the main host. DFSMSHsm ignores the ABARS commands if directed to a host identified as HOSTMODE=AUX.



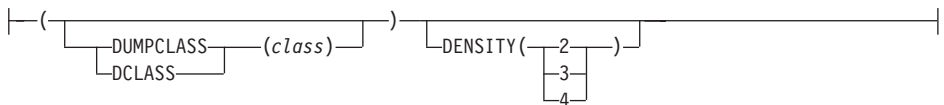
# Chapter 3. ADDVOL: Adding or Changing the Volumes that DFSMSHsm Manages or Owns



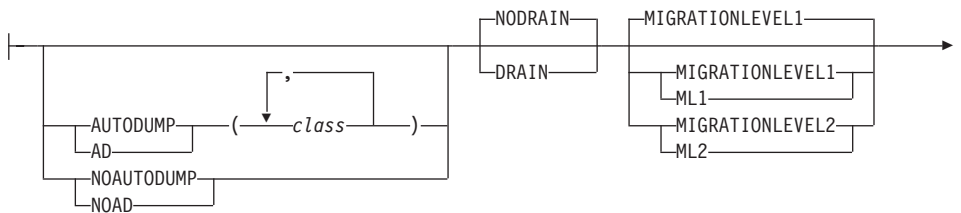
## A: BACKUP Optional Parameters:

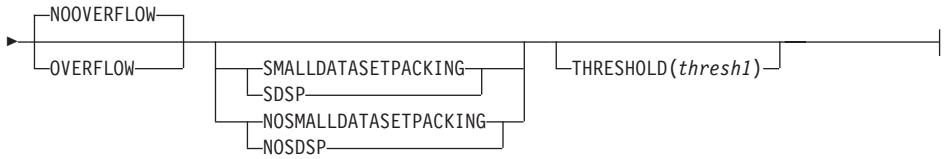


## B: DUMP Optional Parameters:

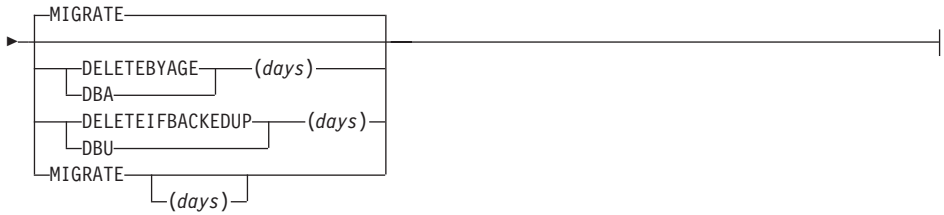
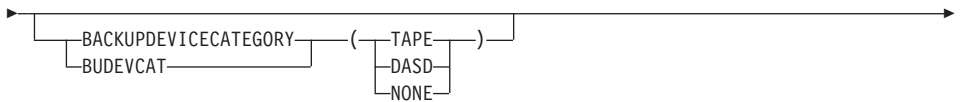
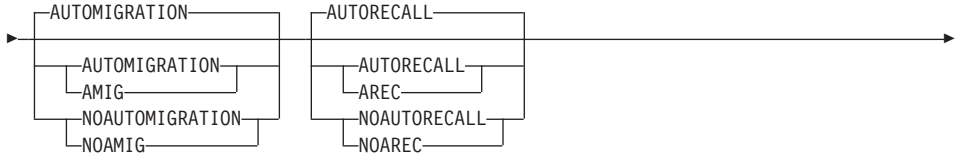
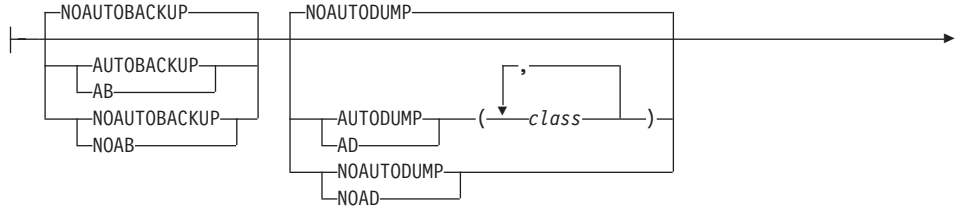


## C: MIGRATION Optional Parameters:





**D: PRIMARY Optional Parameters:**



**Notes:**

1. If more than one of the optional subparameters are used in one ADDVOL command, they are placed within one set of parentheses with a space between each subparameter, as shown below:

```
ADDVOL PRIM01 UNIT(3390) +  
PRIMARY(AUTOBACKUP MIGRATE(8) AUTORECALL) THRESHOLD(90 70)
```

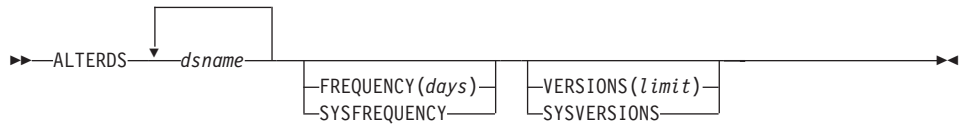
2. The required parameters BACKUP, DUMP, MIGRATION, and PRIMARY are volume-type parameters; that is, they specify the type of volume to be managed by DFSMSHsm.
3. The ADDVOL command cannot be used with SMS-managed volumes.





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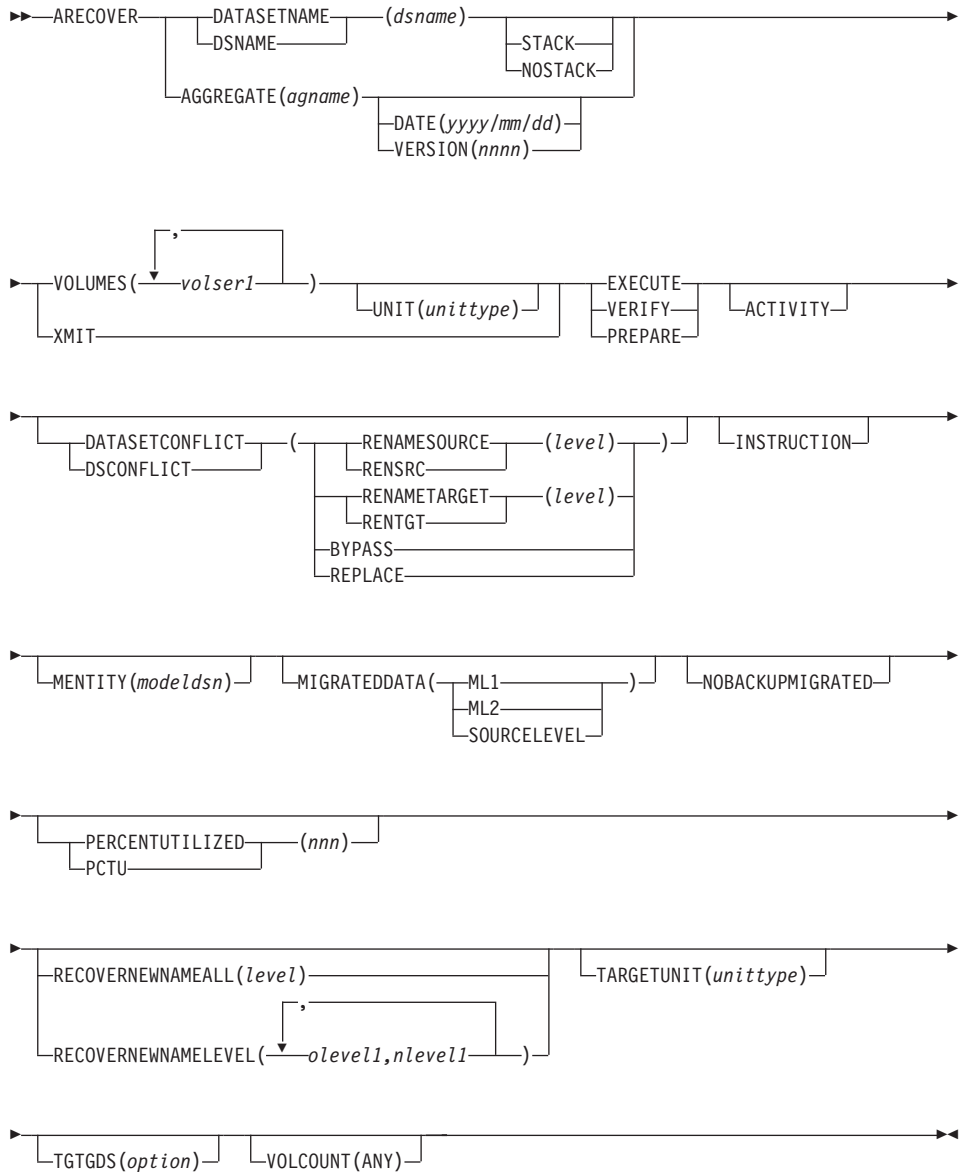
## Chapter 4. ALTERDS: Changing the Parameters that Affect the Backup of Non-SMS-Managed Data Sets



**Note:** You can specify VERSIONS or SYSVERSIONS, FREQUENCY or SYSFREQUENCY, or a combination of these parameters with the ALTERDS command, but you must specify at least one parameter with the ALTERDS command to change the backup parameters.



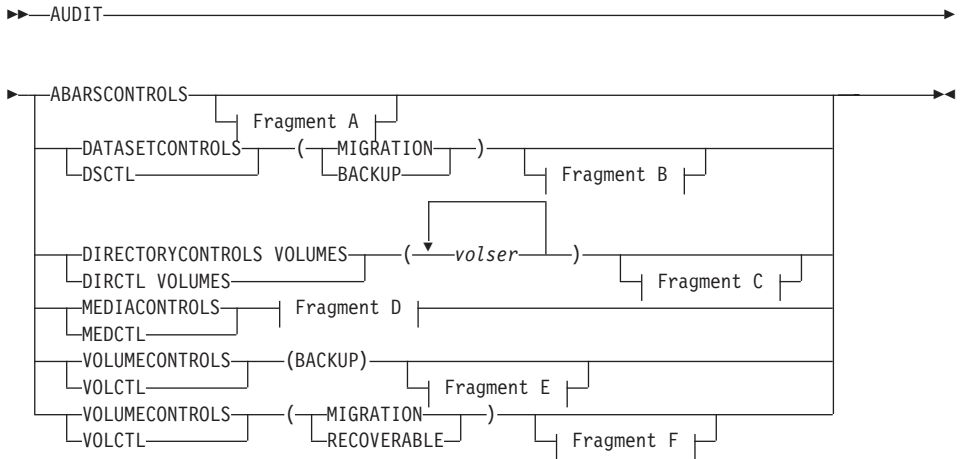
# Chapter 5. ARECOVER: Recovering a Specified Aggregate Group



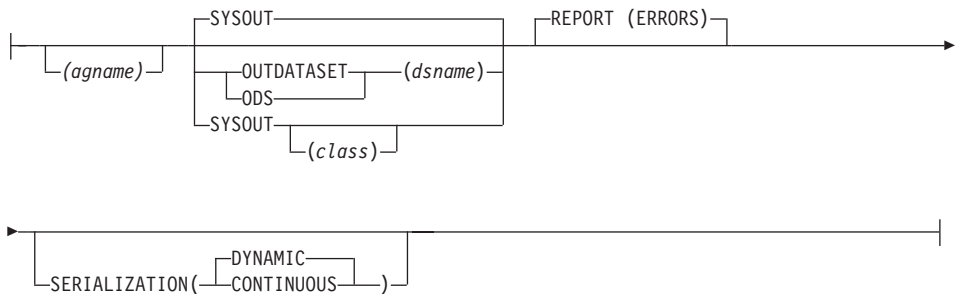
**Notes:**

1. The SETSYS MAXABARSADDRESSSPACE parameter determines the number of ARECOVER commands that can run at one time. The maximum number is 64.
2. DFSMShsm can process only one ARECOVER command for each control file data set name or aggregate group at one time.
3. The volumes must be listed in the order that they are to be mounted or the command fails.
4. Issuing ARECOVER with AGGREGATE requires that ARECOVER DATASETNAME be issued previously using the PREPARE parameter.
5. In a multiple address space for DFSMShsm environment, ABARS commands, like ARECOVER, can only be issued by the host identified as the main host. DFSMShsm ignores the ABARS commands if directed to a host identified as HOSTMODE=AUX.

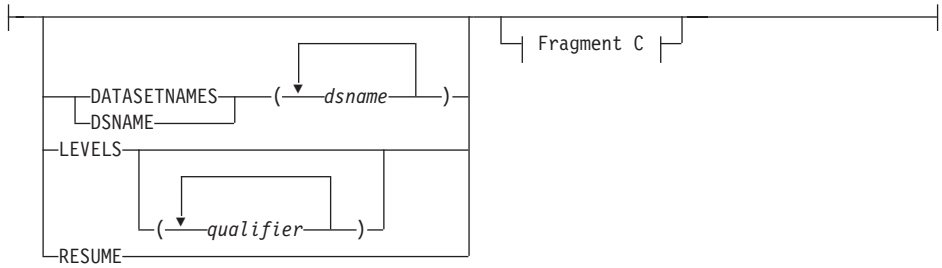
# Chapter 6. AUDIT: Command Syntax for the Enhanced AUDIT Commands



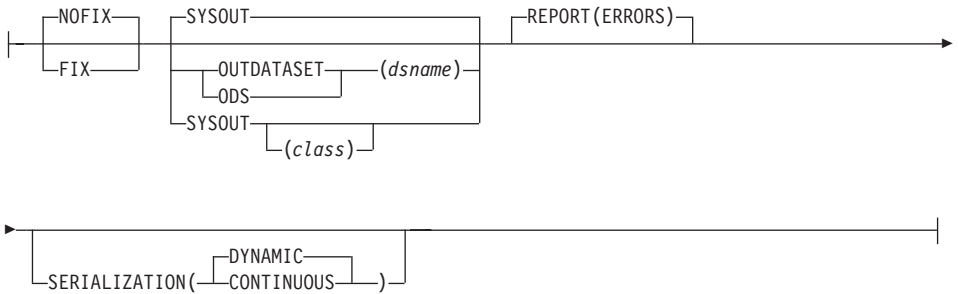
## A: ABARSCONTROLS Optional Parameters:



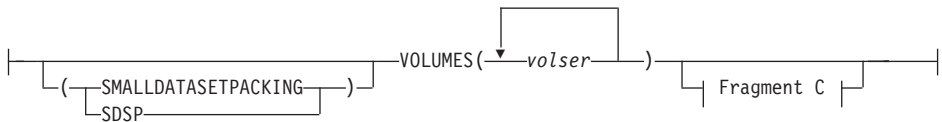
**B: DATASETCONTROLS Optional Parameters:**



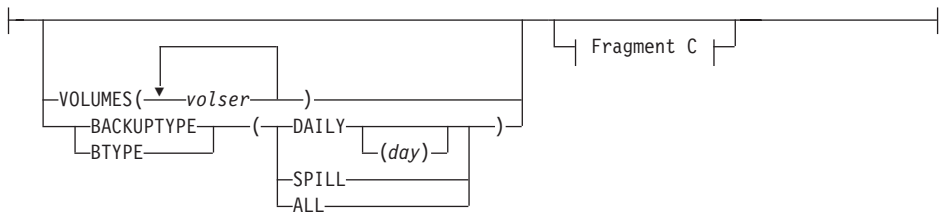
**C: Additional Optional Parameters:**



**D: MEDIACONTROLS Parameters:**



**E: VOLUMECONTROLS(BACKUP) Optional Parameters:**



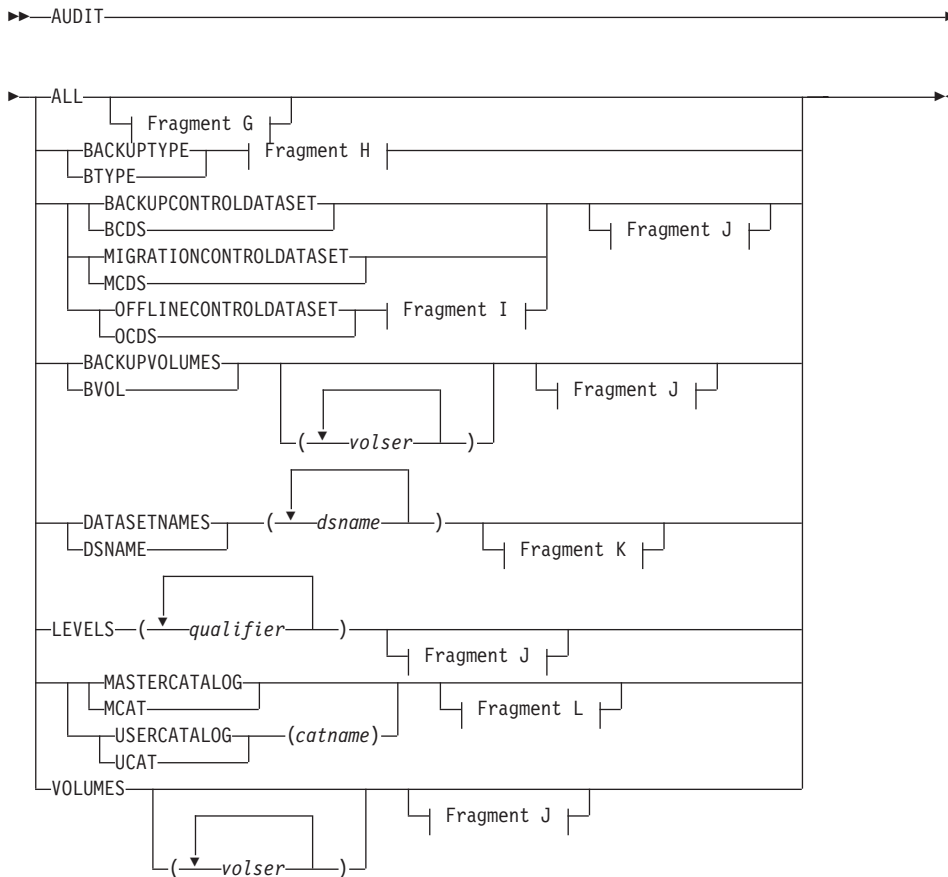
**F: VOLUMECONTROLS(MIGRATION | RECOVERABLE) Optional Parameters:**



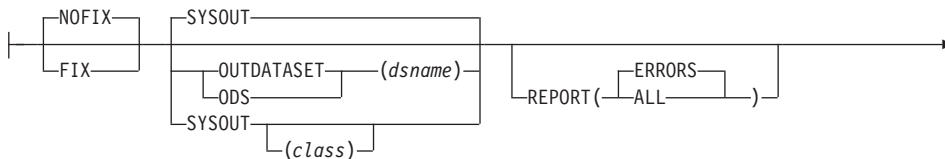




# Chapter 7. AUDIT: Command Syntax for the Original AUDIT Commands

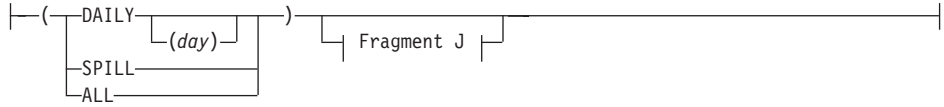


## G: ALL Optional Parameters:





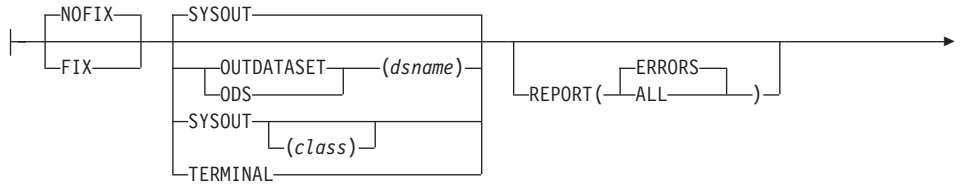
**H: BACKUPTYPE Parameters:**



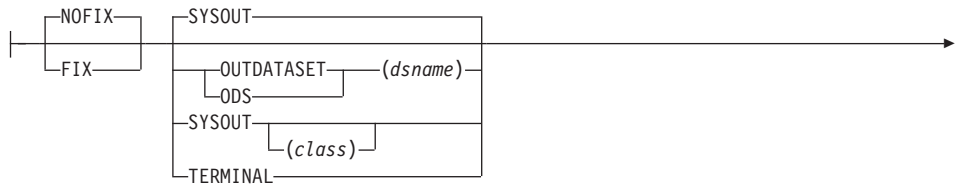
**I: OFFLINECONTROLDATASET Parameters:**

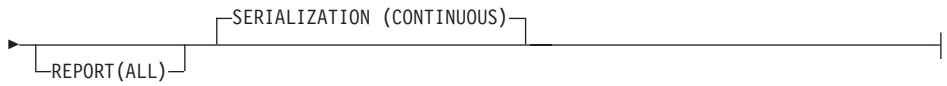


**J: Additional Optional Parameters:**

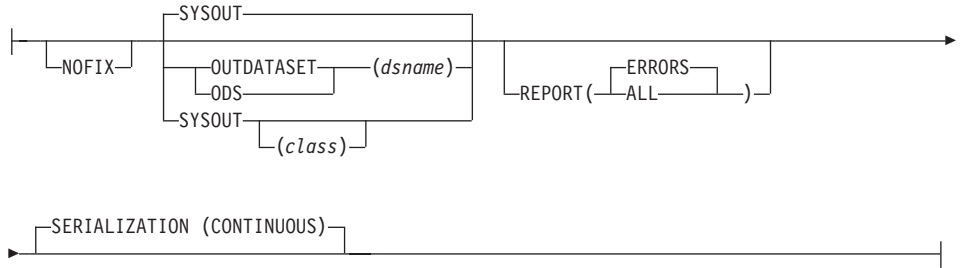


**K: DATASETNAMES Optional Parameters:**





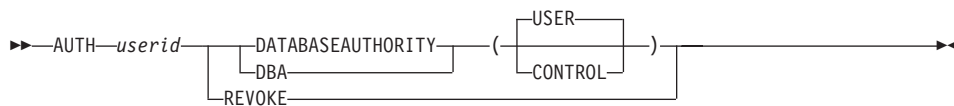
**L: MASTERCATALOG | USERCATALOG Optional Parameters:**





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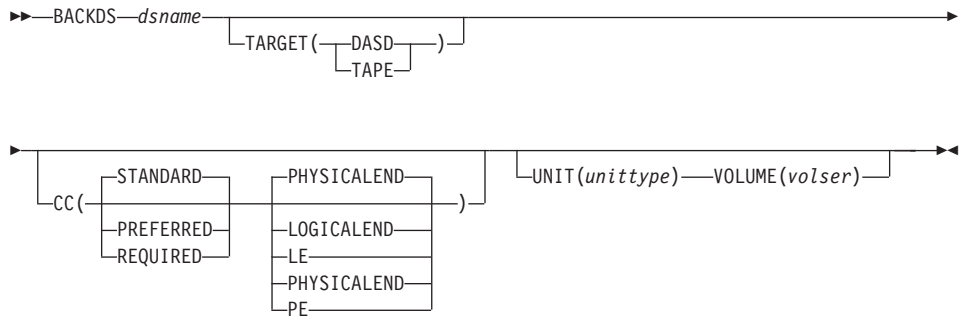
## Chapter 8. AUTH: Identifying Authorized DFSMSHsm Users





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## Chapter 9. BACKDS: Backing Up a Specific Data Set

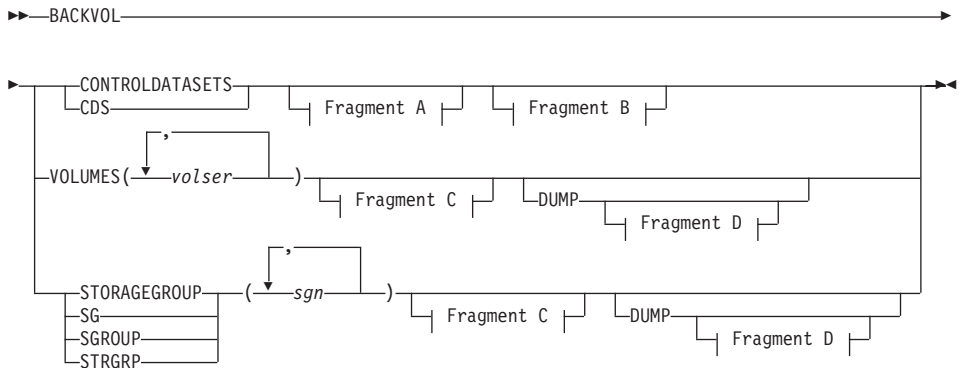


**Note:** The UNIT and VOLUME parameters do not apply either to SMS-managed data sets or to cataloged data sets.

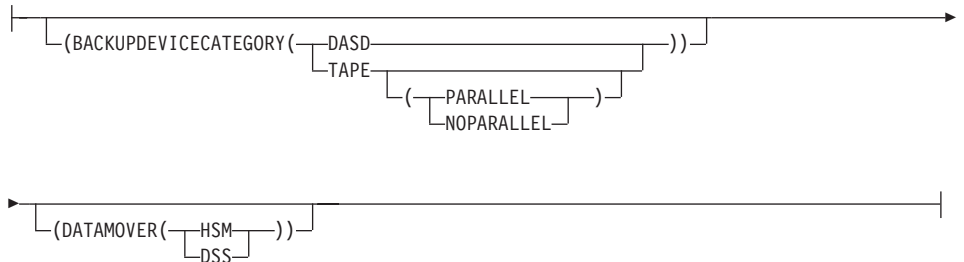




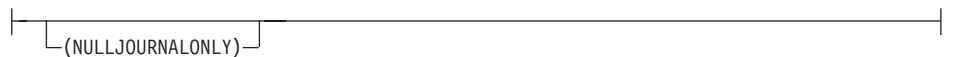
# Chapter 10. BACKVOL: Backing Up Data Sets from a Volume, Dumping Volumes, or Backing Up the Control Data Sets (SMS-Managed Volumes)



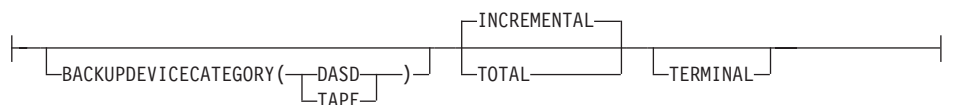
## A: CONTROLDATASETS Optional Backup Parameters:



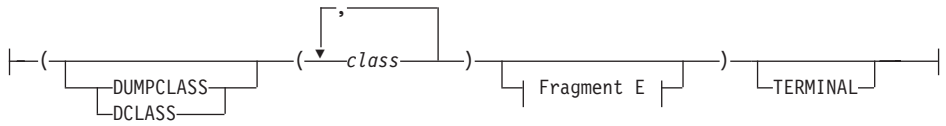
## B: CONTROLDATASETS Optional Backup Parameters:



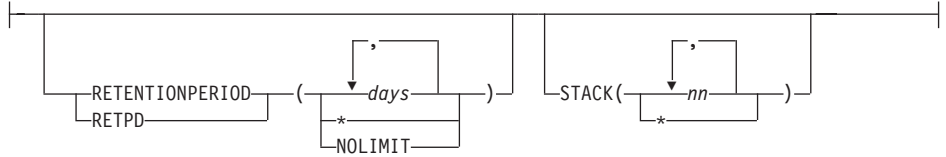
## C: STORAGEGROUP | VOLUMES Optional Backup Parameters:



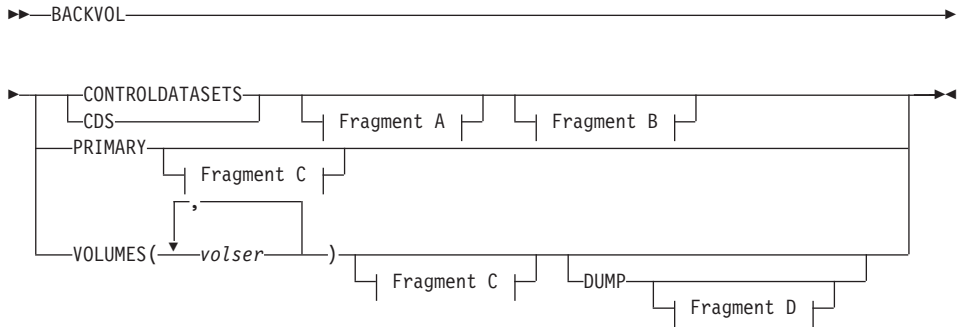
**D: DUMP Optional Parameters:**



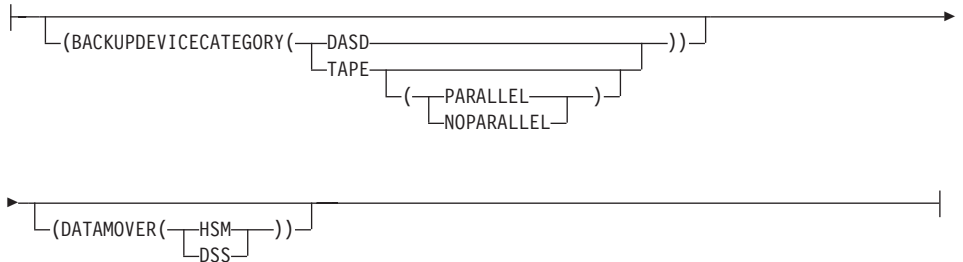
**E: DUMP Optional Parameters:**



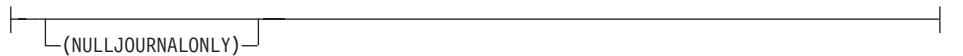
# Chapter 11. BACKVOL: Backing Up Data Sets from a Volume, Dumping Volumes, or Backing Up the Control Data Sets (Non-SMS-Managed Volumes)



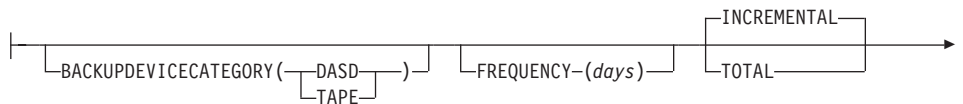
## A: CONTROLDATASETS Optional Backup Parameters:



## B: CONTROLDATASETS Optional Backup Parameter:

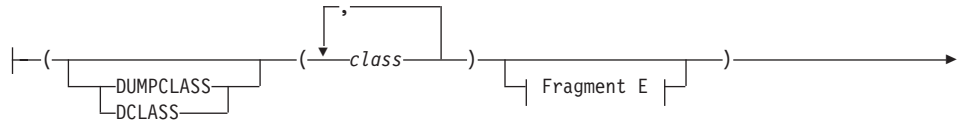


## C: PRIMARY | VOLUMES Optional Backup Parameters:

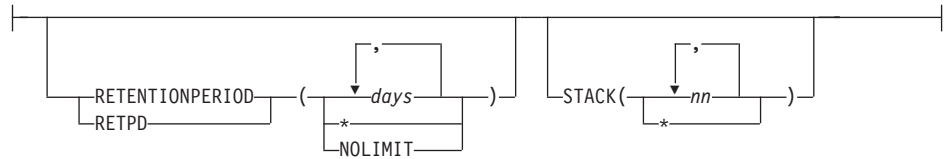




**D: DUMP Optional Parameters:**

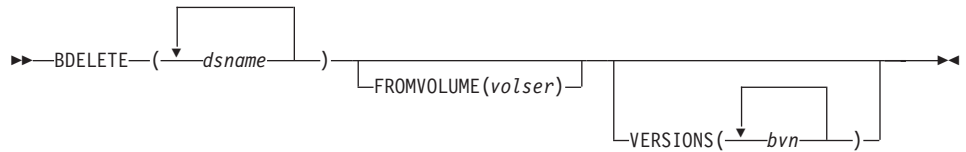


**E: DUMP Optional Parameters:**



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## Chapter 12. BDELETE: Deleting Backup Versions of a Data Set

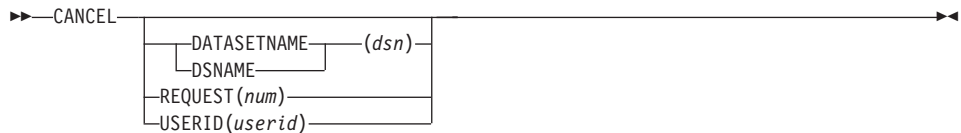


**Note:** The FROMVOLUME parameter does not apply to either SMS-managed data sets or to cataloged data sets.



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## Chapter 13. CANCEL: Canceling a Queued DFSMSHsm Request

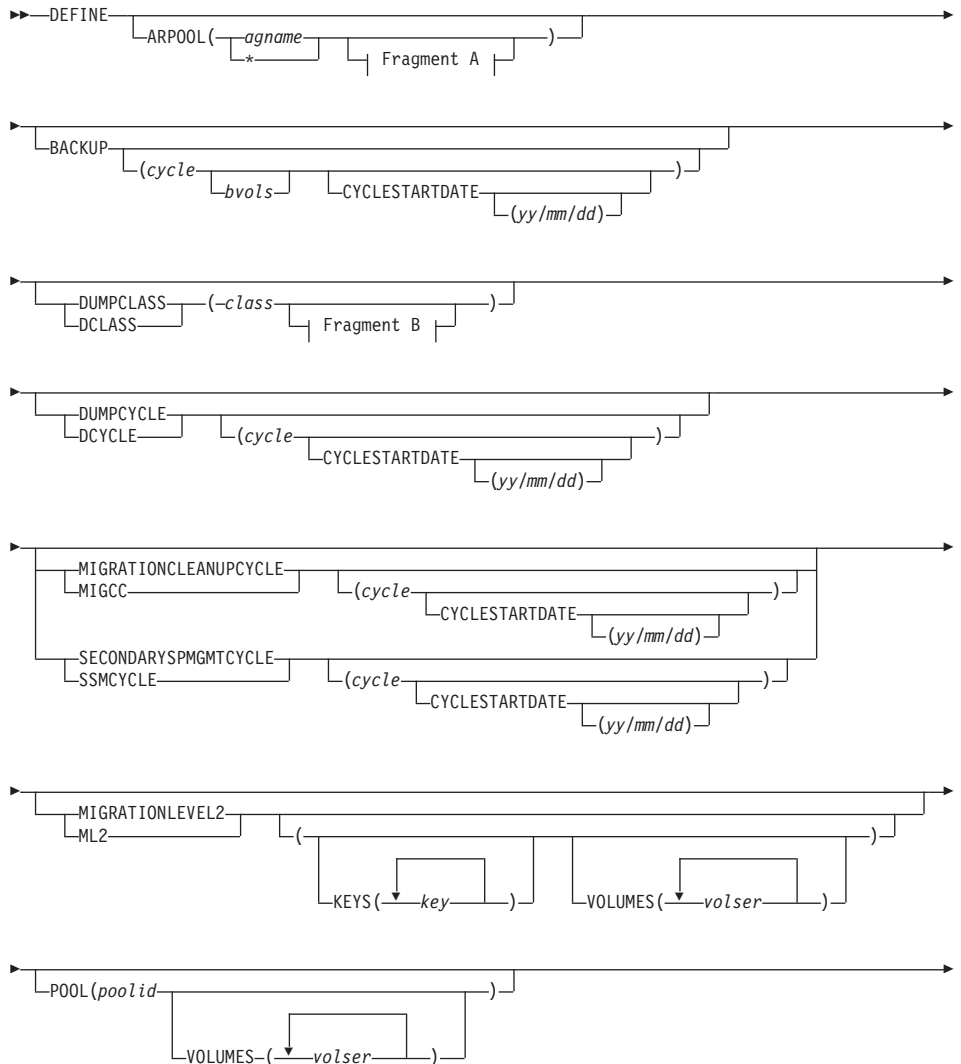


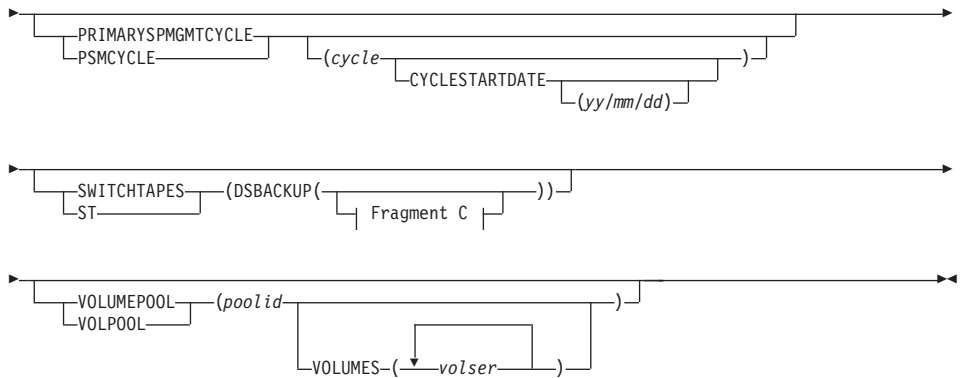
**Note:** Although the CANCEL command has no required parameters, specify at least one optional parameter with the CANCEL command.



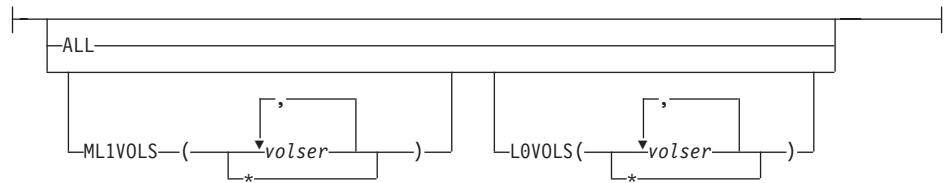


# Chapter 14. DEFINE: Defining Control Structures for Use by DFSMSHsm

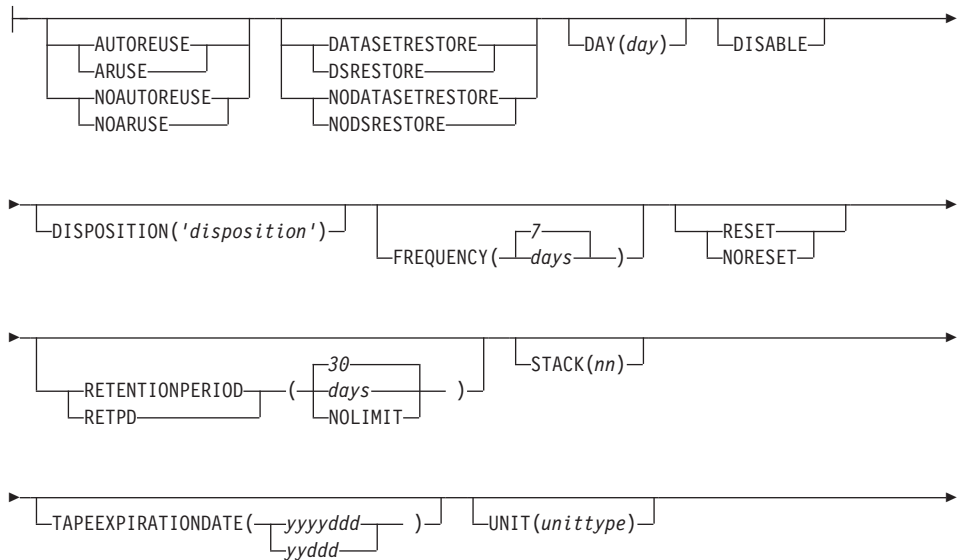


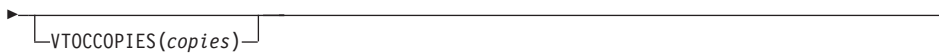


### A: ARPOOL Optional Parameters:

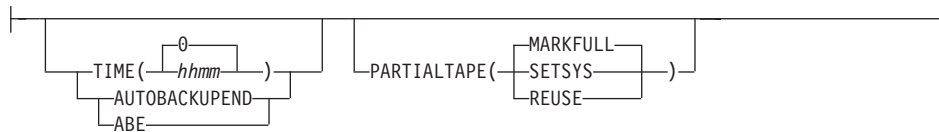


### B: DUMPCLASS Optional Parameters:





**C: SWICHTAPES Optional Parameters:**



**Note:** You must specify at least one of the optional parameters with each DEFINE command.



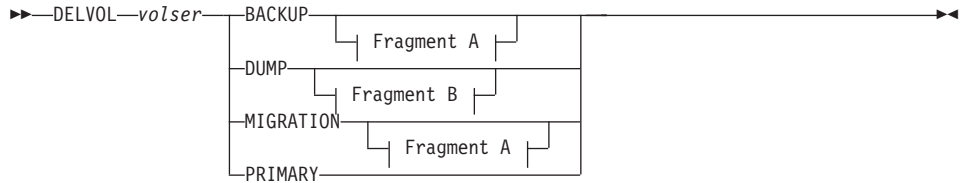
---

## Chapter 15. DELETE: Deleting a Migrated Data Set from a Migration Volume

▶▶—DELETE—*dsname*—┐  
└─PURGE─┘



# Chapter 16. DELVOL: Removing a Volume from the List of Volumes that DFSMSHsm Manages or Owns



## A: BACKUP | MIGRATION Optional Parameters:



## B: DUMP Optional Parameters:



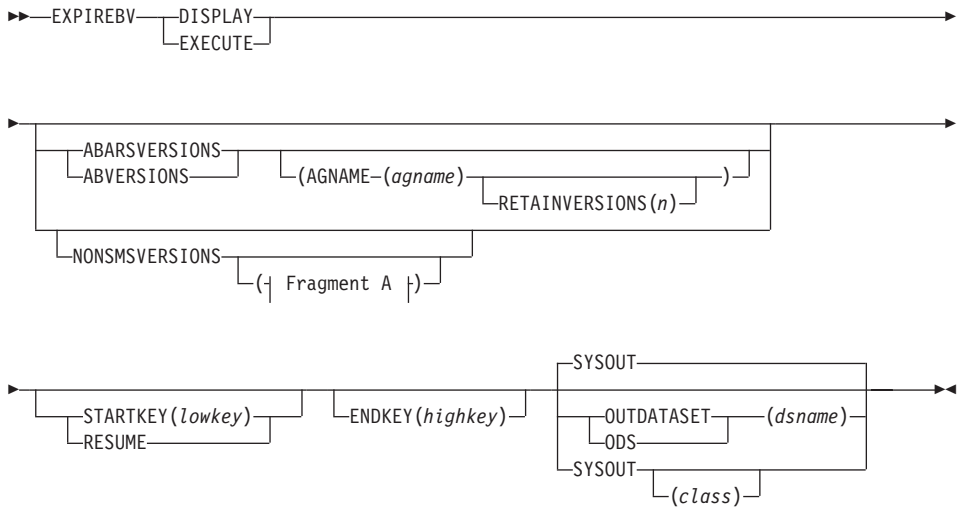
### Notes:

1. If you specify the LASTCOPY, MARKFULL, PURGE, REASSIGN, or UNASSIGN subparameter of the BACKUP, DUMP, or MIGRATION parameter, you must put parentheses around the subparameter.
2. If the volume serial number is for an SMS-managed volume, only the PRIMARY parameter applies.
3. If a DELVOL MIGRATION command is used to delete a migration volume while the secondary space management function is running, the DELVOL MIGRATION command fails.

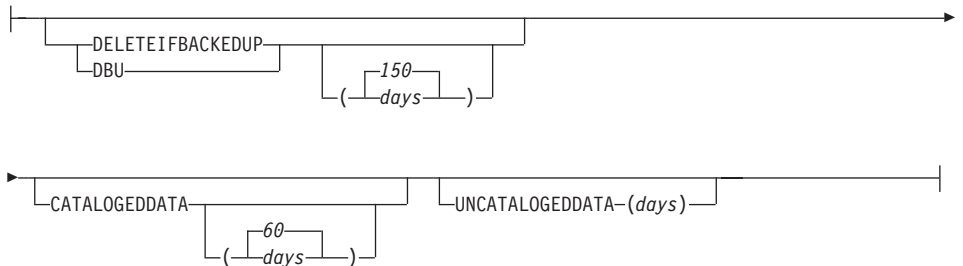




# Chapter 17. EXPIREBV: Deleting Unwanted Backup Versions of Data Sets



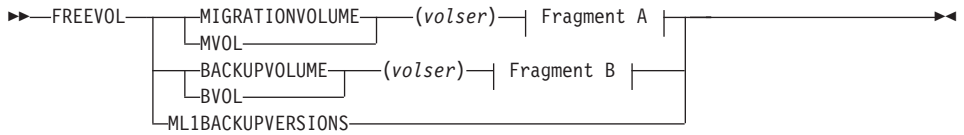
## A: NONSMSVERSIONS Optional Parameters:



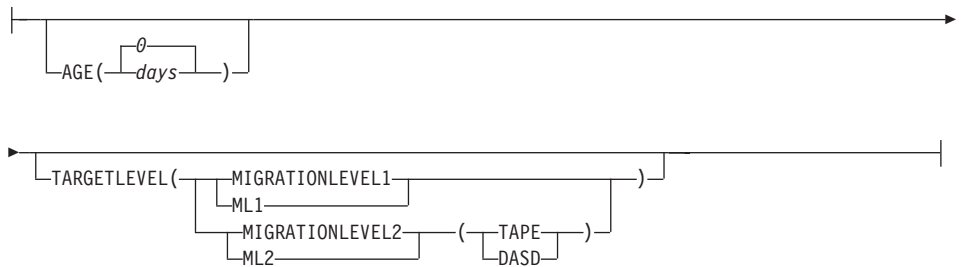
**Note:** The NONSMSVERSIONS parameter does not apply to SMS-managed data sets.



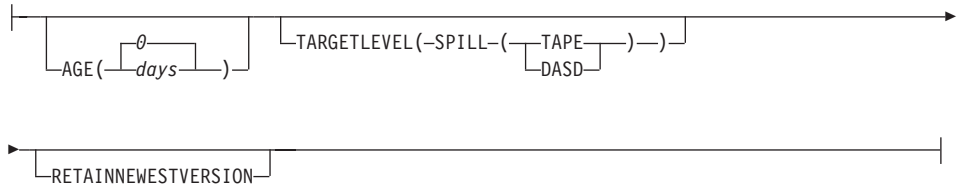
# Chapter 18. FREEVOL: Freeing DFSMShsm-Owned Volumes



## A: MIGRATIONVOLUME Optional Parameters:

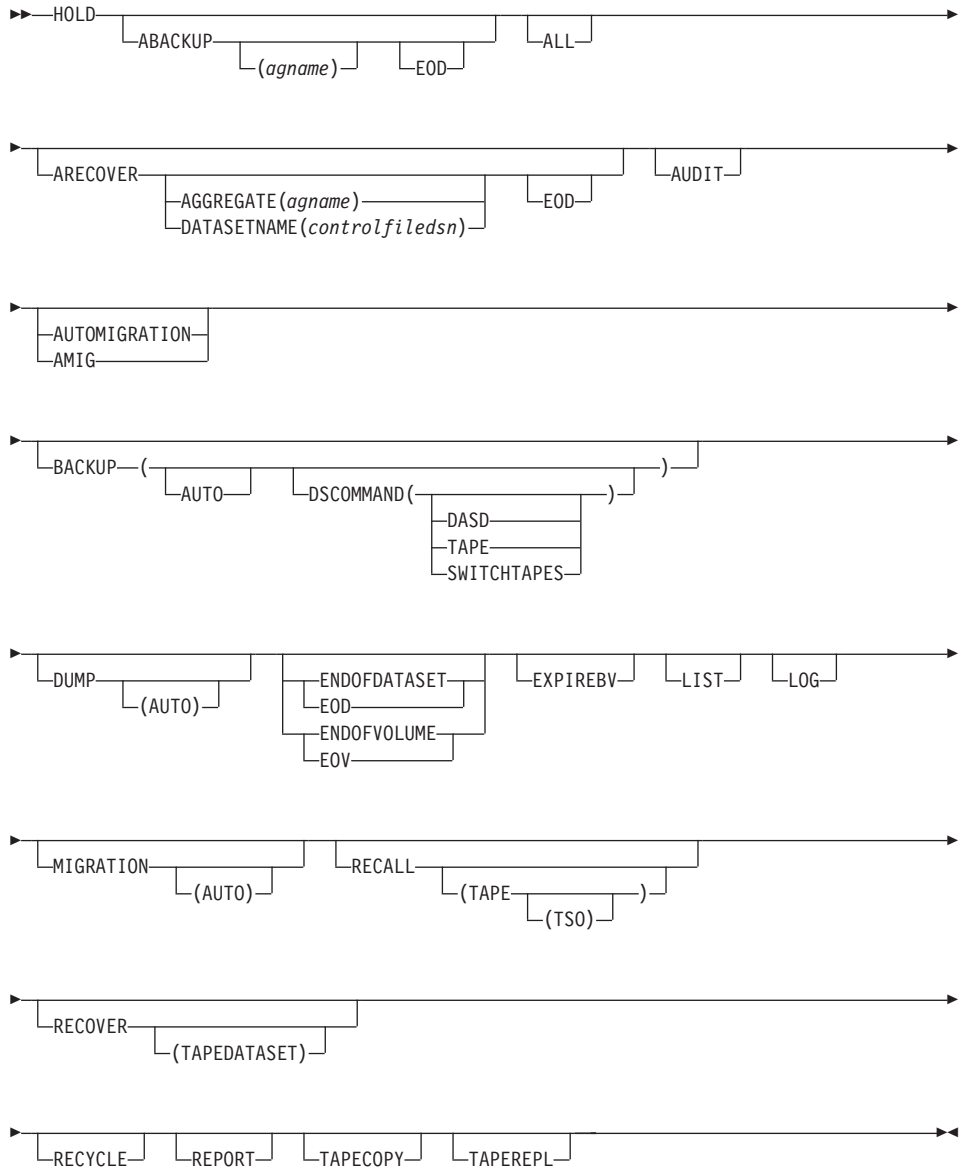


## B: BACKUPVOLUME Optional Parameters:





# Chapter 19. HOLD: Preventing All or Some DFSMSHsm Functions from Running



**Notes:**

1. Although the HOLD command has no required parameters, you must specify at least one optional parameter if you want to prevent a DFSMShsm function from processing.
2. In a multiple address space for DFSMShsm environment, ABARS commands, like HOLD ABACKUP or HOLD ARECOVER, can only be issued by the host identified as the main host. DFSMShsm ignores the ABARS commands if directed to a host identified as HOSTMODE=AUX.
3. The ENDOFDATASET and ENDOFVOLUME optional parameters affect the following optional parameters:
  - AUTOMIGRATION
  - BACKUP | BACKUP(AUTO)
  - DUMP | DUMP(AUTO)
  - MIGRATION | MIGRATION(AUTO)
  - RECOVER | RECOVER(TAPEDATASET)

---

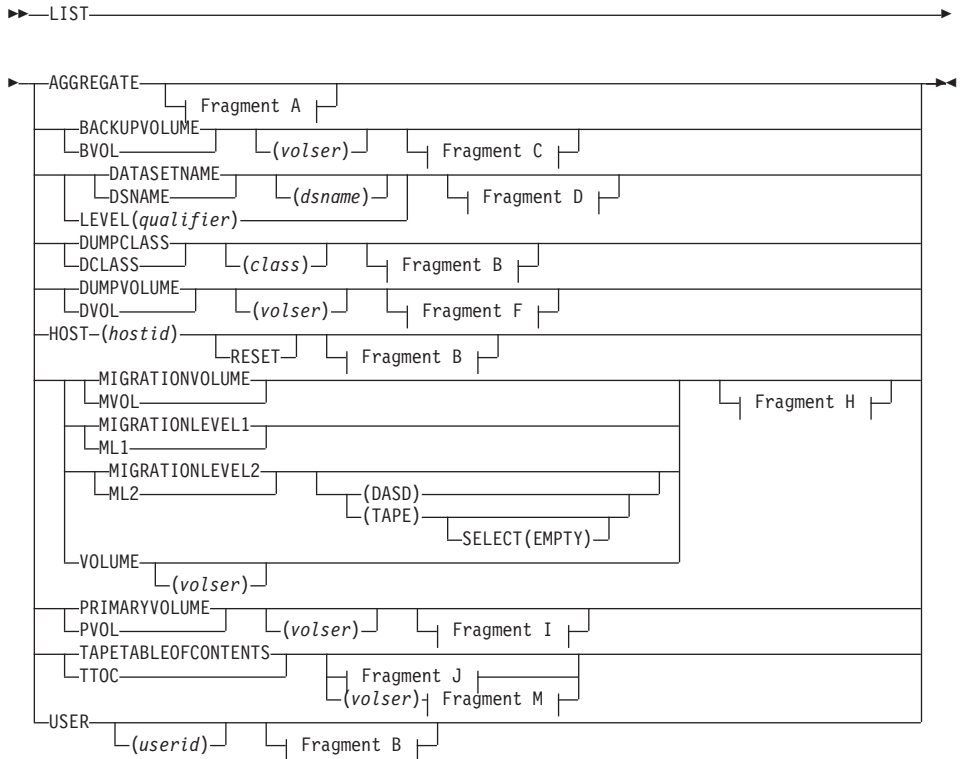
## Chapter 20. HSEND CMD: Issuing DFSMSHsm Authorized-User Commands from a TSO Terminal



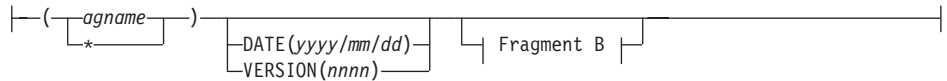




# Chapter 21. LIST: Listing Information from the MCDS, BCDS, and OCDS



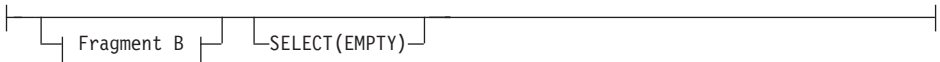
## A: AGGREGATE Optional Parameters:



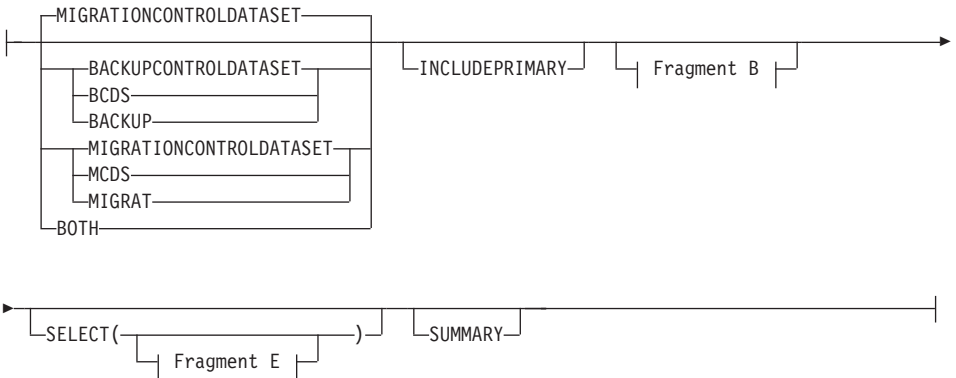
**B: LIST Optional Parameters:**



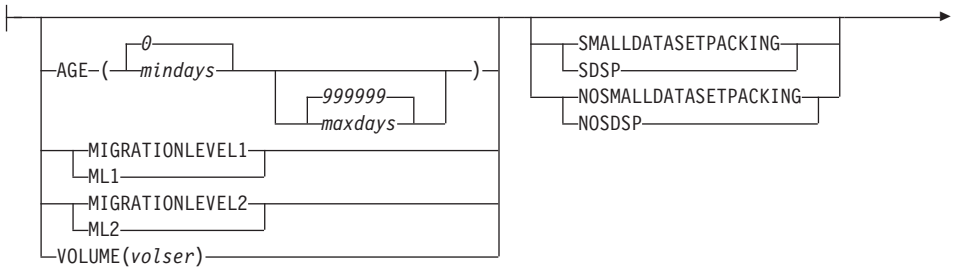
**C: BACKUPVOLUME Optional Parameters:**

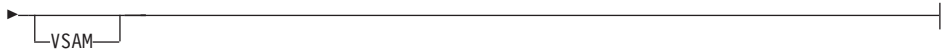


**D: DATASETNAME Optional Parameters:**

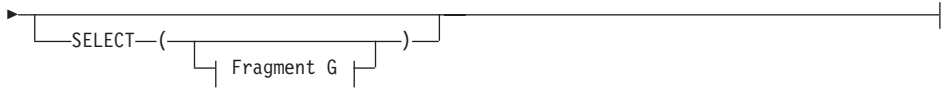
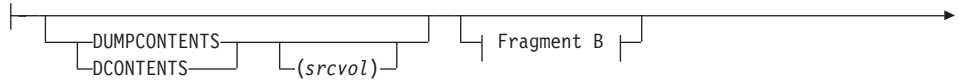


**E: DATASETNAME SELECT Optional Parameters:**





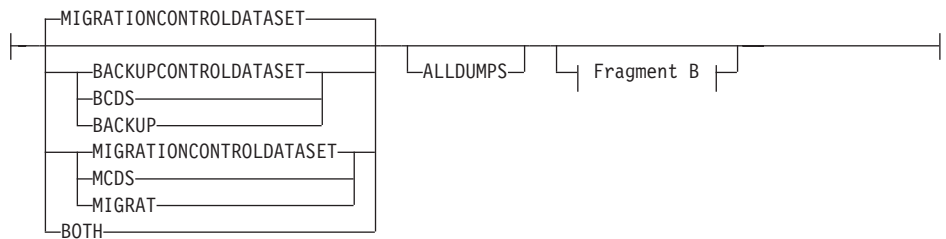
**F: DUMPVOLUME Optional Parameters:**



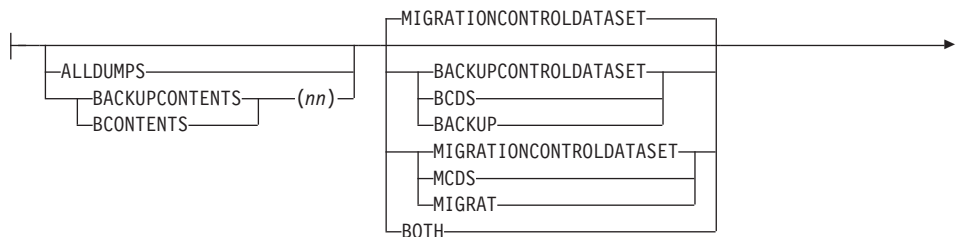
**G: DUMPVOLUME SELECT Optional Parameters:**

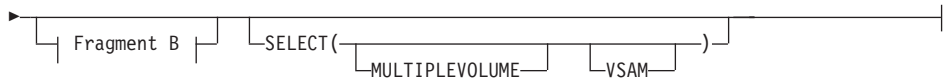


**H: MVOL | ML1 | ML2 | VOLUME Optional Parameters:**

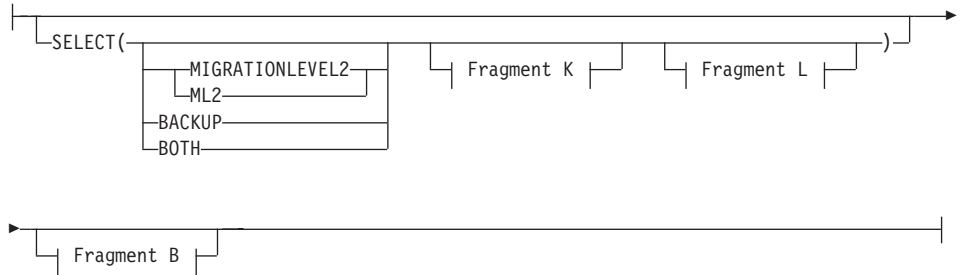


**I: PRIMARYVOLUME Optional Parameters:**

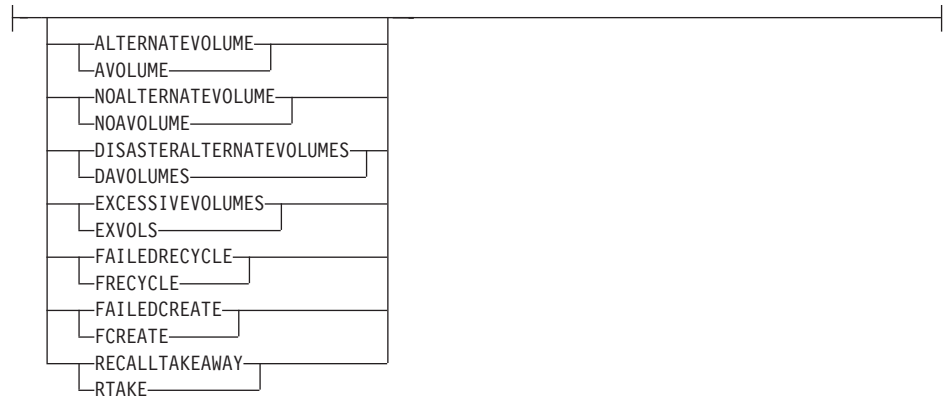




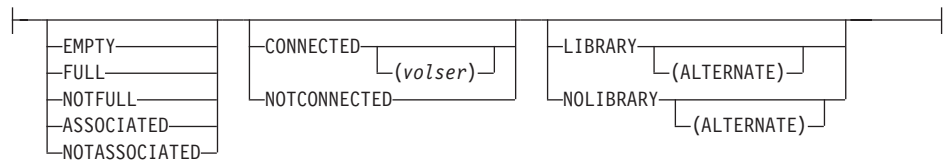
**J: TTOC Optional Parameters:**



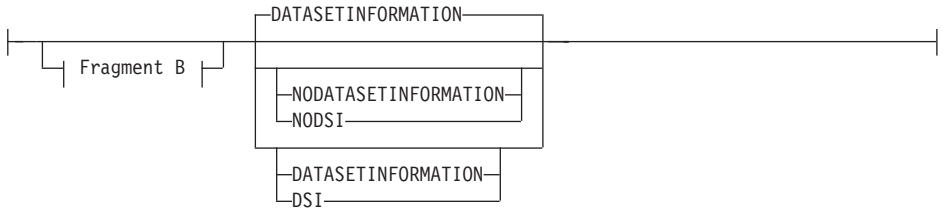
**K: TTOC SELECT Optional Parameters:**



**L: TTOC SELECT Optional Parameters:**



### M: TTOC Optional Parameters:



### Notes:

1. The SELECT CONNECTED subparameter of the LIST TTOC command cannot be specified with any of the SELECT subparameters shown in the **K** syntax fragment.
2. The BACKUPCONTROLDATASET or BCDS parameter and the BACKUP parameter are not valid with the LIST ML2(TAPE) SELECT(EMPTY) command.



---

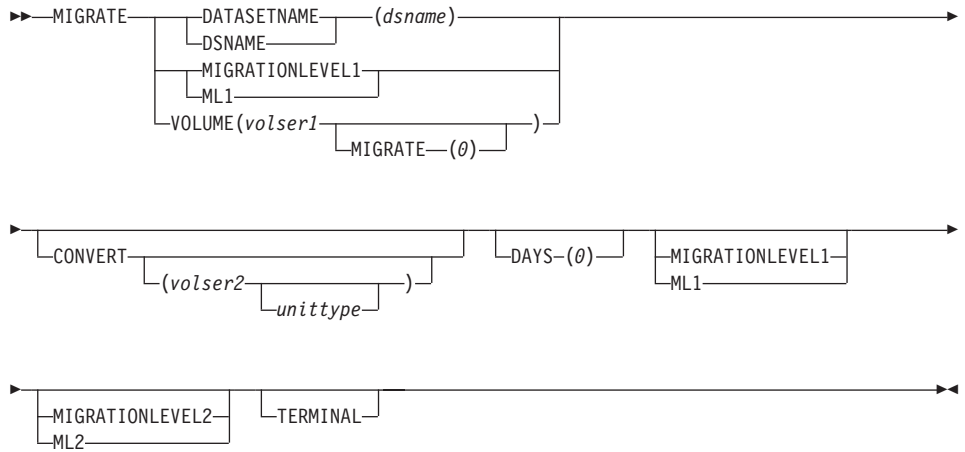
## Chapter 22. LOG: Entering Data into the DFSMSHsm Log

▶▶—LOG—data—◀◀





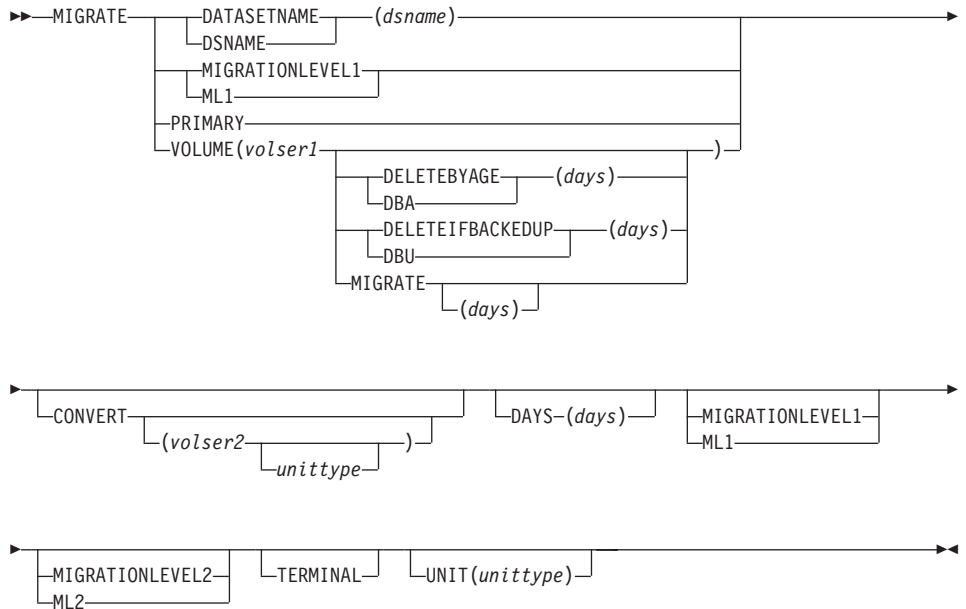
## Chapter 23. MIGRATE: Requesting a Space Management Function (SMS-Managed Data Sets)



**Note:** You must specify either DATASETNAME, MIGRATIONLEVEL1, or VOLUME with each MIGRATE command.



## Chapter 24. MIGRATE: Requesting a Space Management Function (Non-SMS-Managed Data Sets)



**Note:** You must specify either `DATASETNAME`, `MIGRATIONLEVEL1`, or `VOLUME` with each `MIGRATE` command.



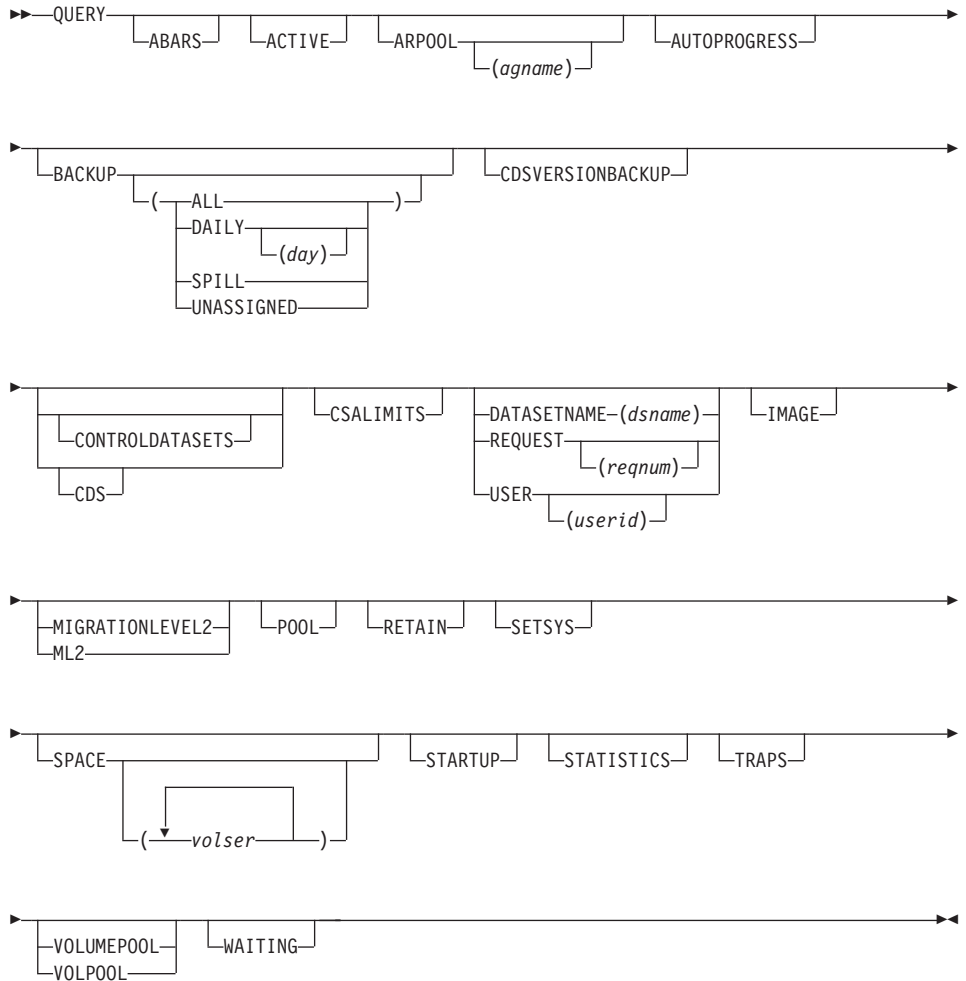
---

## Chapter 25. ONLYIF: Allowing the Single Command Immediately Following It In ARCCMDxx to be Executed Conditionally

▶▶—ONLYIF—HSMHOST(*hostid*)————▶▶



# Chapter 26. QUERY: Displaying the Status of DFSMSHsm Parameters, Statistics, and Pending Requests

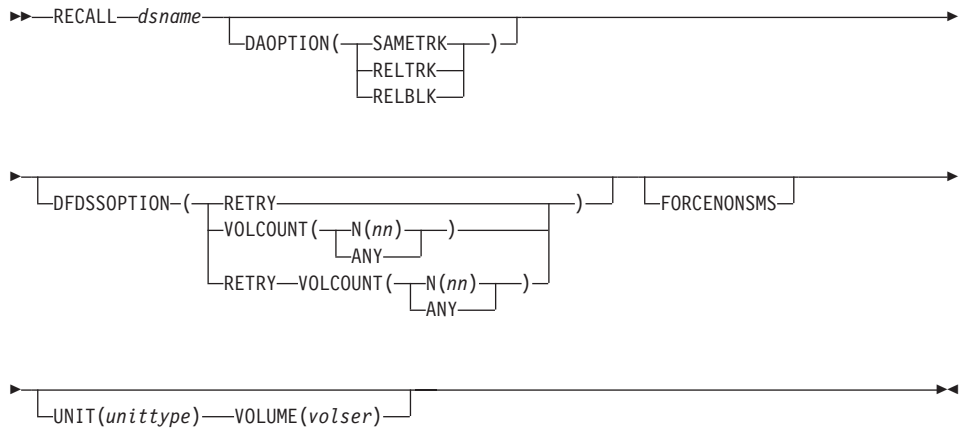


**Notes:**

1. You must specify at least one of the optional parameters to have anything displayed.
2. Any QUERY command issued within the startup procedure may not always produce correct data because DFSMShsm is not yet completely initialized.
3. The SPACE parameter is not supported for SMS-managed volumes.
4. The QUERY command does not support sending the results of the query to an output data set; however, it does support extended consoles. Using TSO/E extended consoles, you can submit programs that can issue a console command, such as a QUERY, and get the results back for interpretation. DFSMShsm provides a sample REXX program called QUERYSET in SYS1.SAMPLIB(ARCTOOLS).



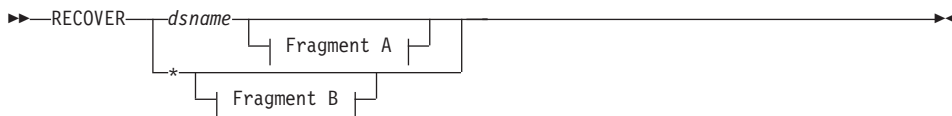
## Chapter 27. RECALL: Recalling a Specific Migrated Data Set



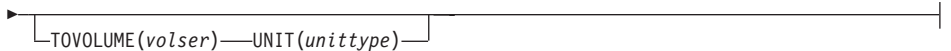
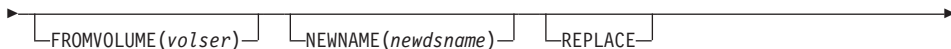
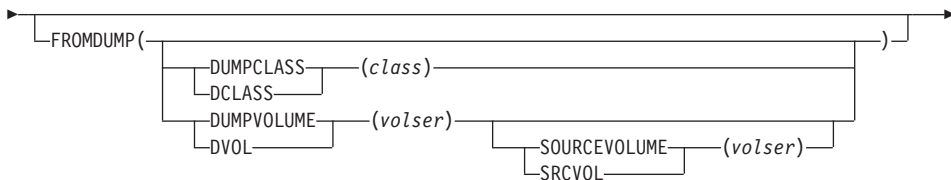
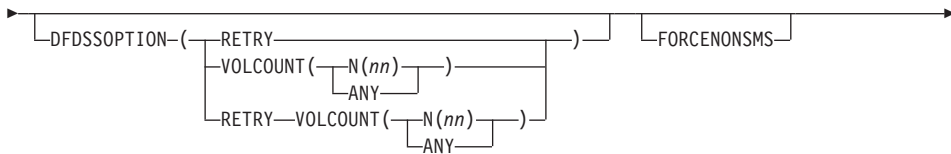
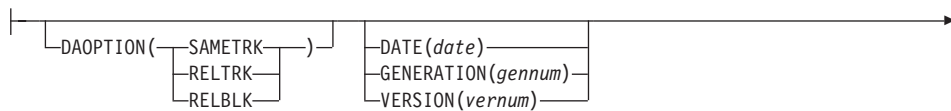
**Note:** You can specify RETRY, VOLCOUNT, or both with the DFDSSOPTION, but you must specify at least one parameter.



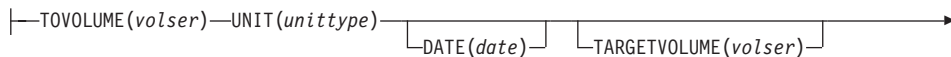
# Chapter 28. RECOVER: Recovering a Backup Version or Dump Copy of a Data Set or a Volume

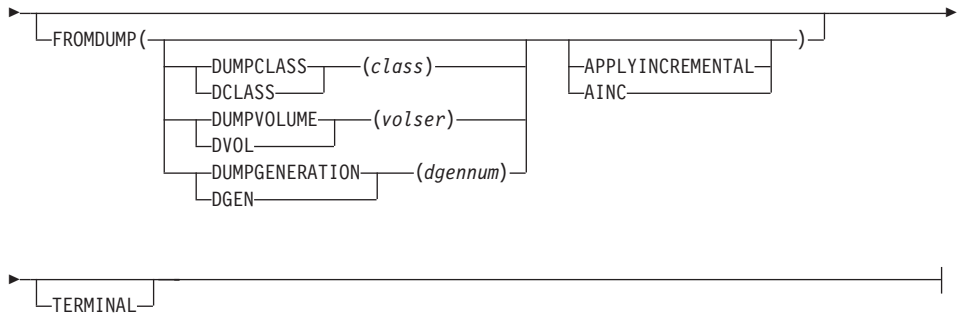


## A: RECOVER Optional Parameters:

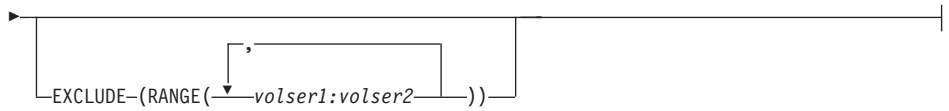


## B: RECOVER Optional Parameters:

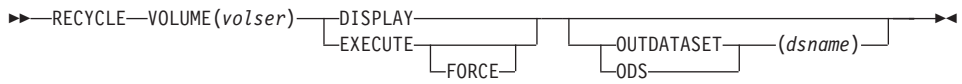




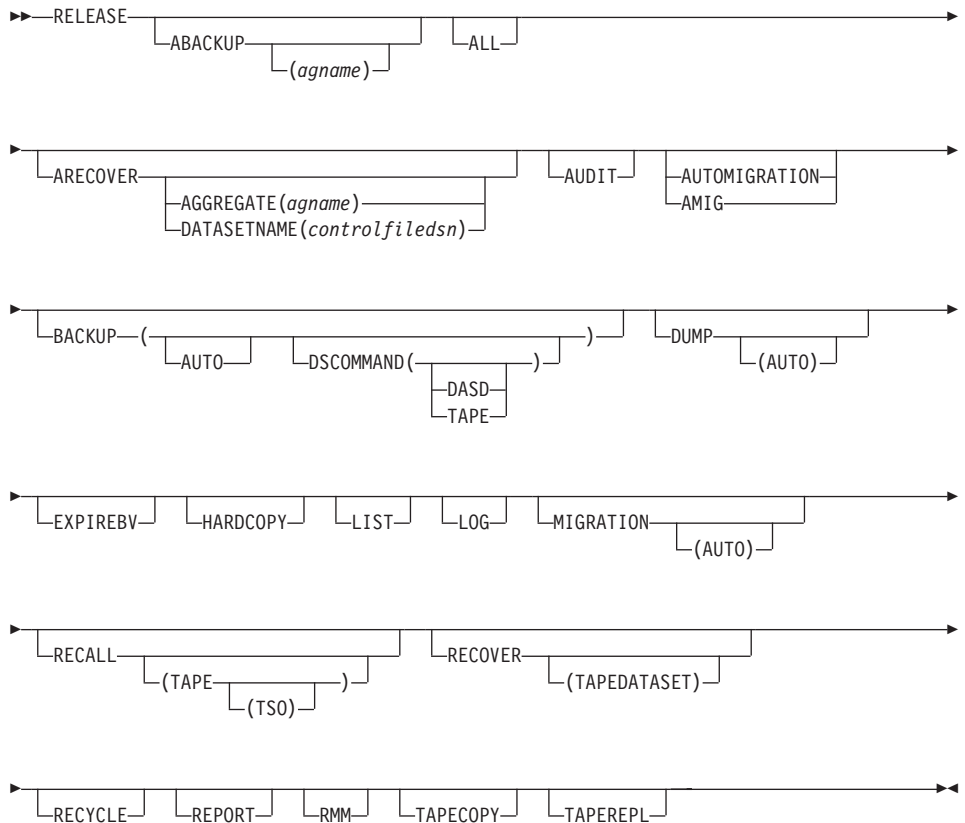




## Syntax of the Specific RECYCLE Command



## Chapter 30. RELEASE: Releasing All or Some DFSMSHsm Functions for Processing



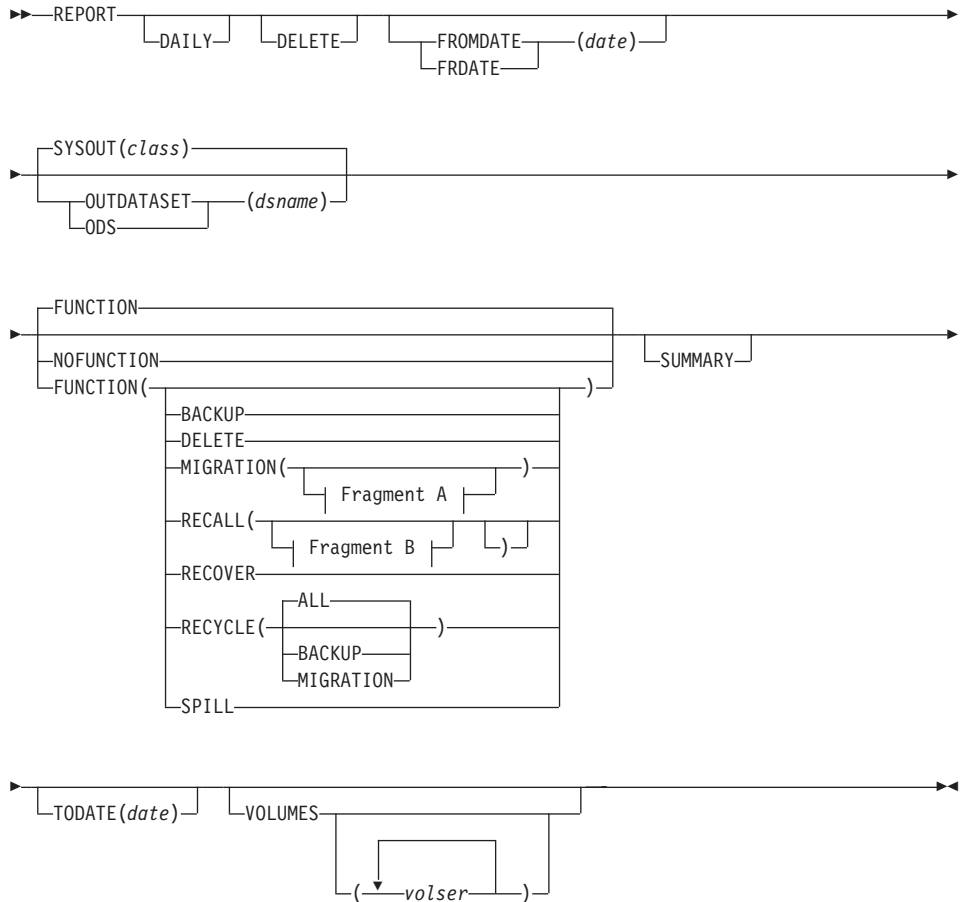
### Notes:

1. Although the RELEASE command has no required parameters, you must specify at least one parameter to release a DFSMSHsm function for processing.
2. In a multiple address space for DFSMSHsm environment, ABARS commands, like RELEASE ABACKUP or RELEASE ARECOVER, can only be issued by the host identified as the main host. DFSMSHsm ignores the ABARS commands if directed to a host identified as HOSTMODE=AUX.

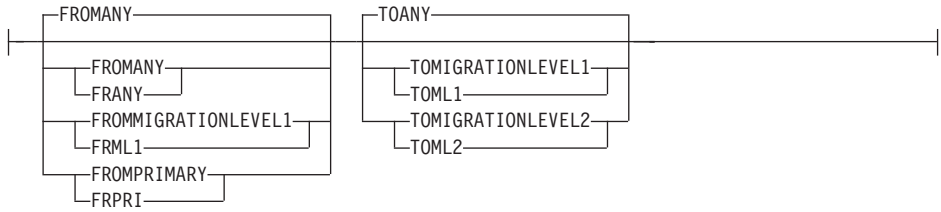




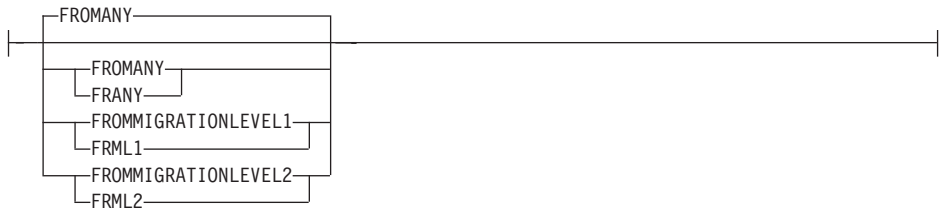
# Chapter 31. REPORT: Requesting Reports Based on DFSMSshm Statistics Records



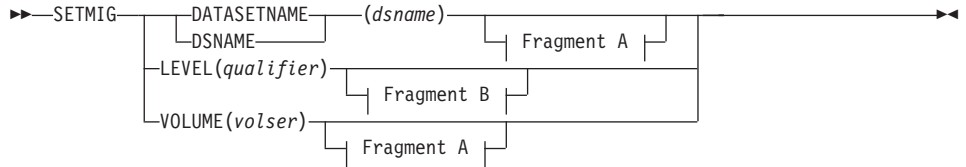
**A: MIGRATION Optional Parameters:**



**B: RECALL Optional Parameters:**



## Chapter 32. SETMIG: Changing the Space Management Status of Non-SMS-Managed Data Sets or Volumes



### A: DATASETNAME | VOLUME Optional Parameters:



### B: LEVEL Optional Parameters:

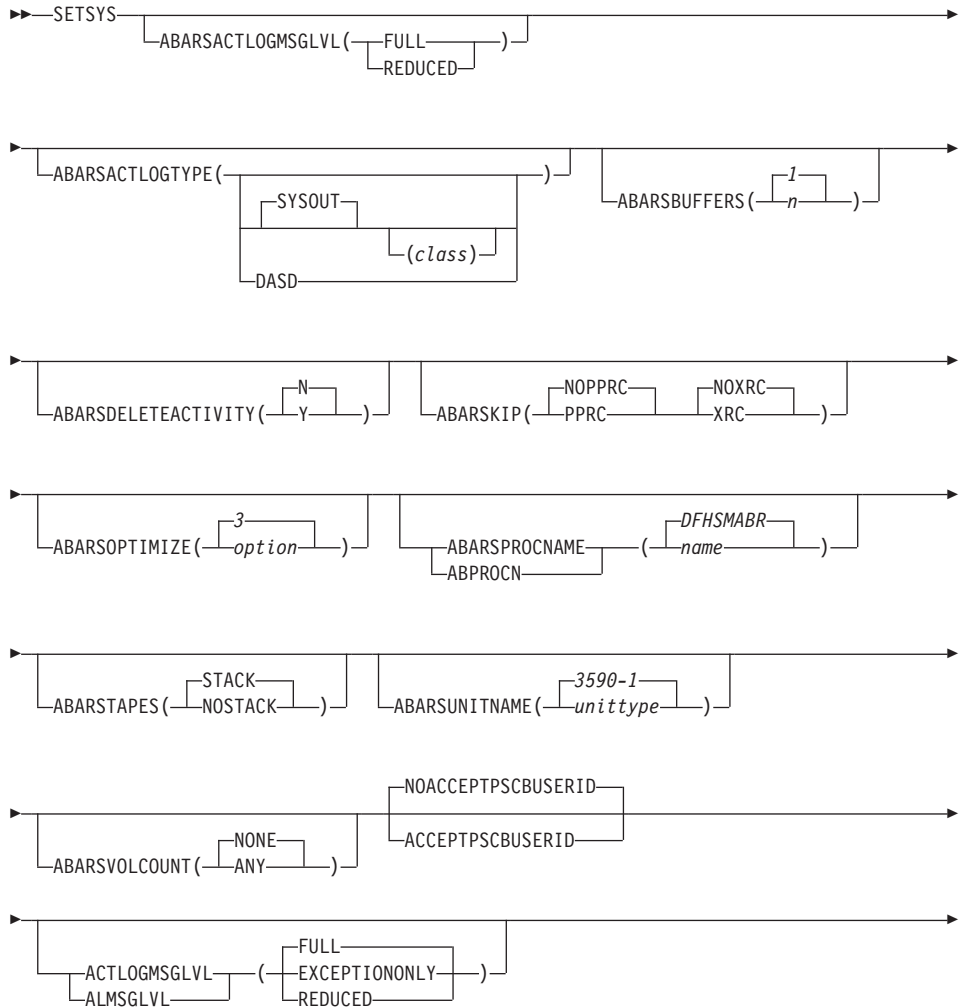


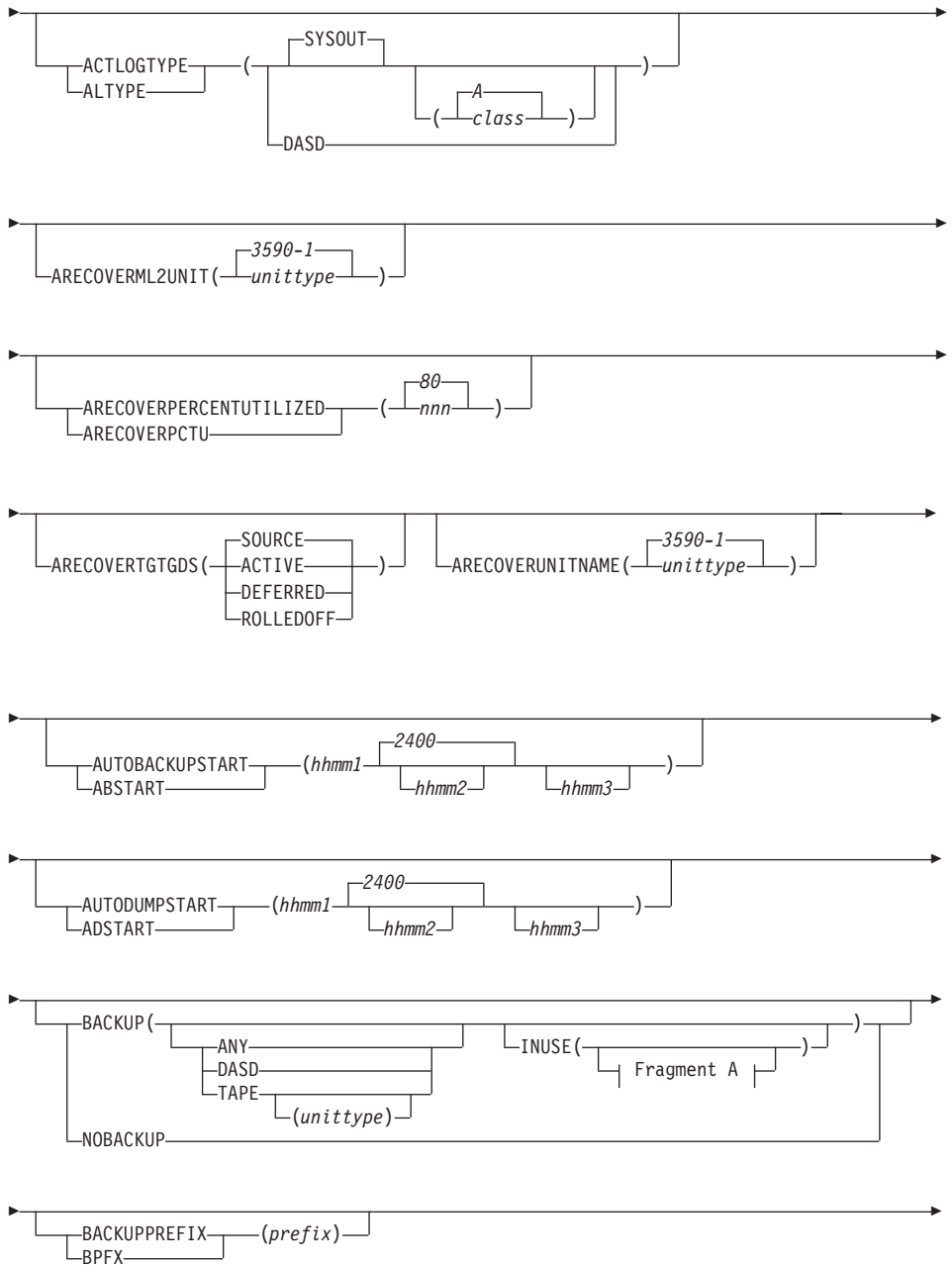
### Notes:

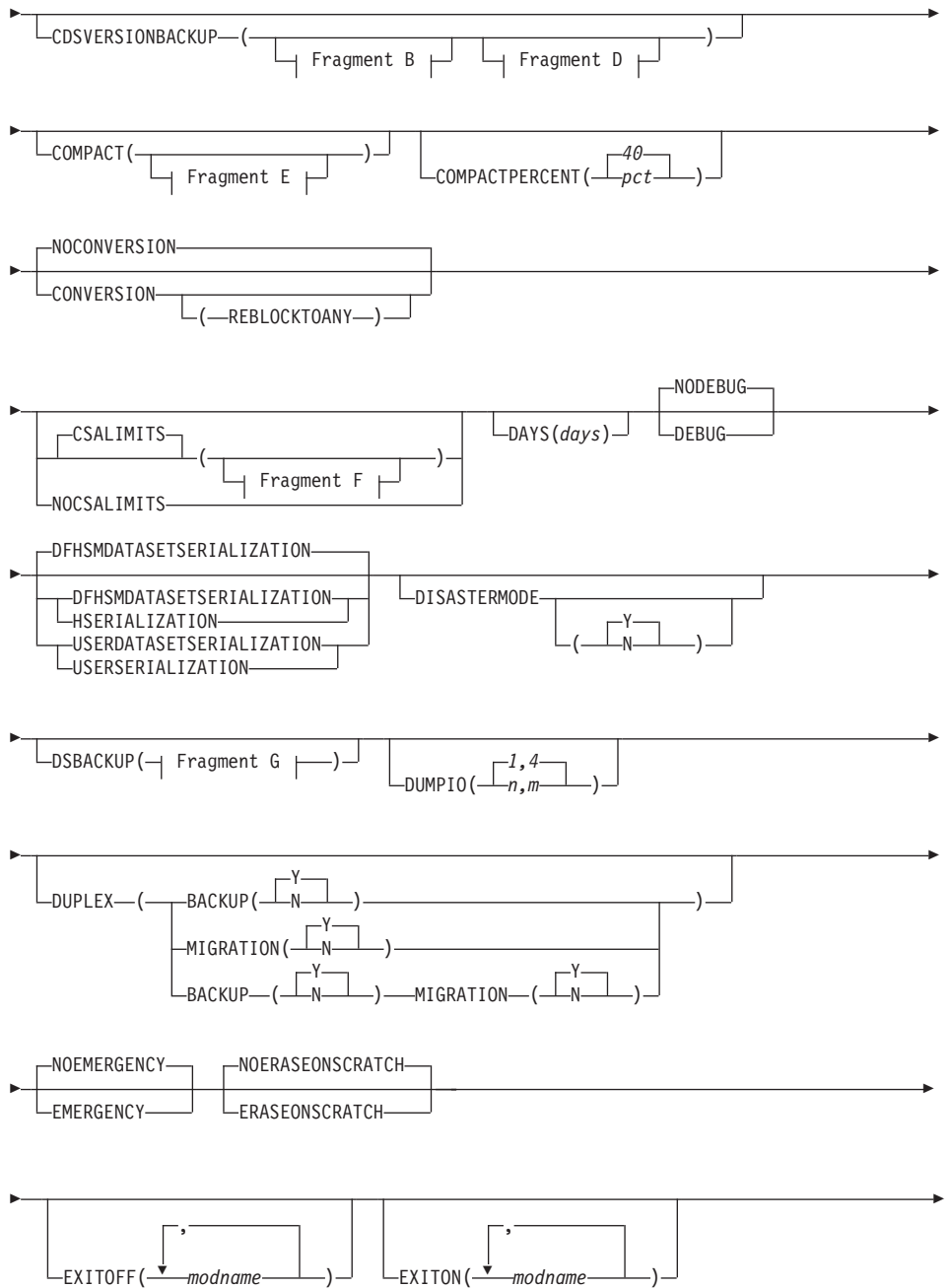
1. You can specify an optional parameter to change space management status.
2. The SETMIG command is not supported for SMS-managed volumes or data sets.

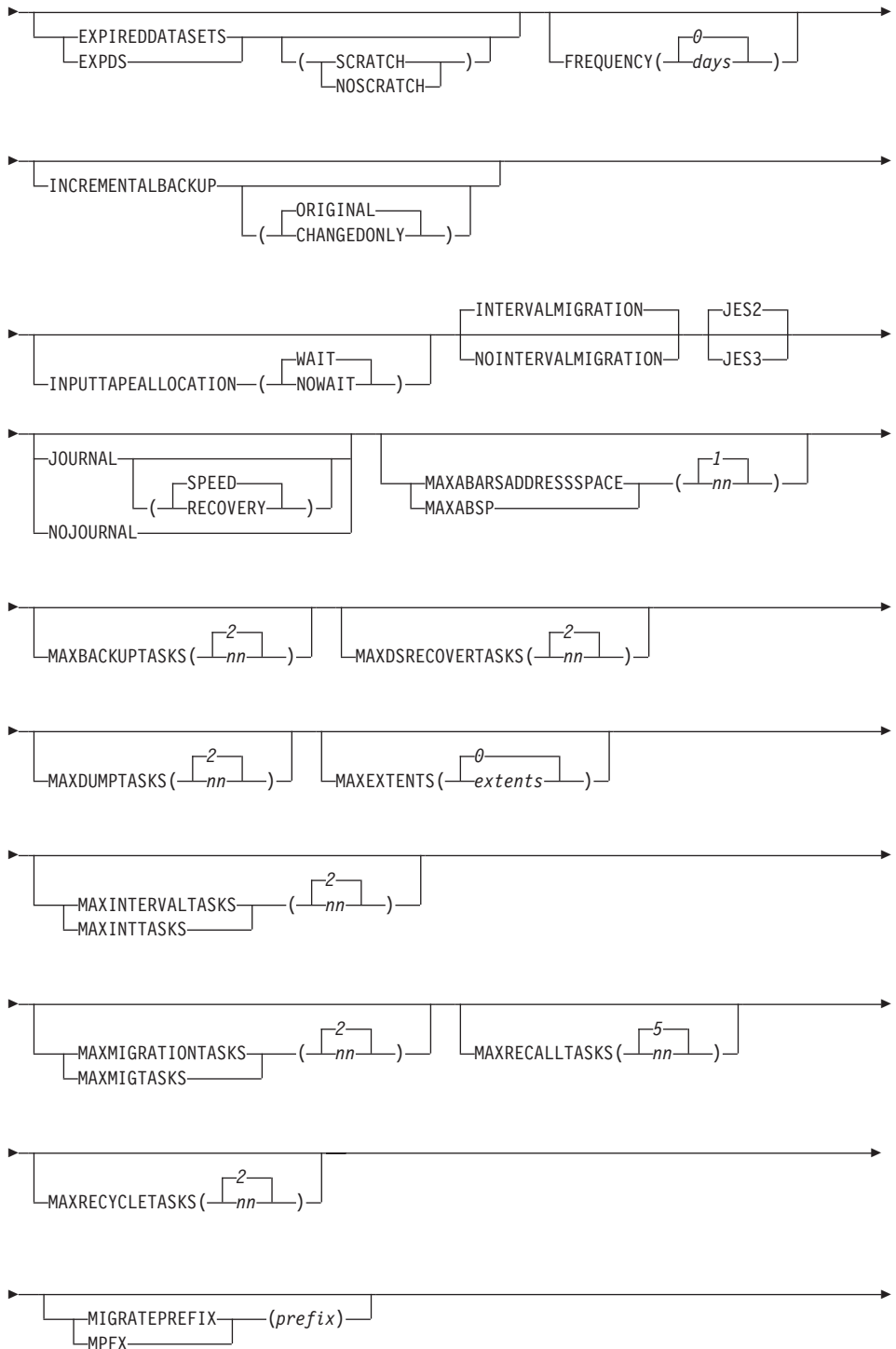


# Chapter 33. SETSYS: Establishing or Changing the Values of DFSSMShm Control Parameters

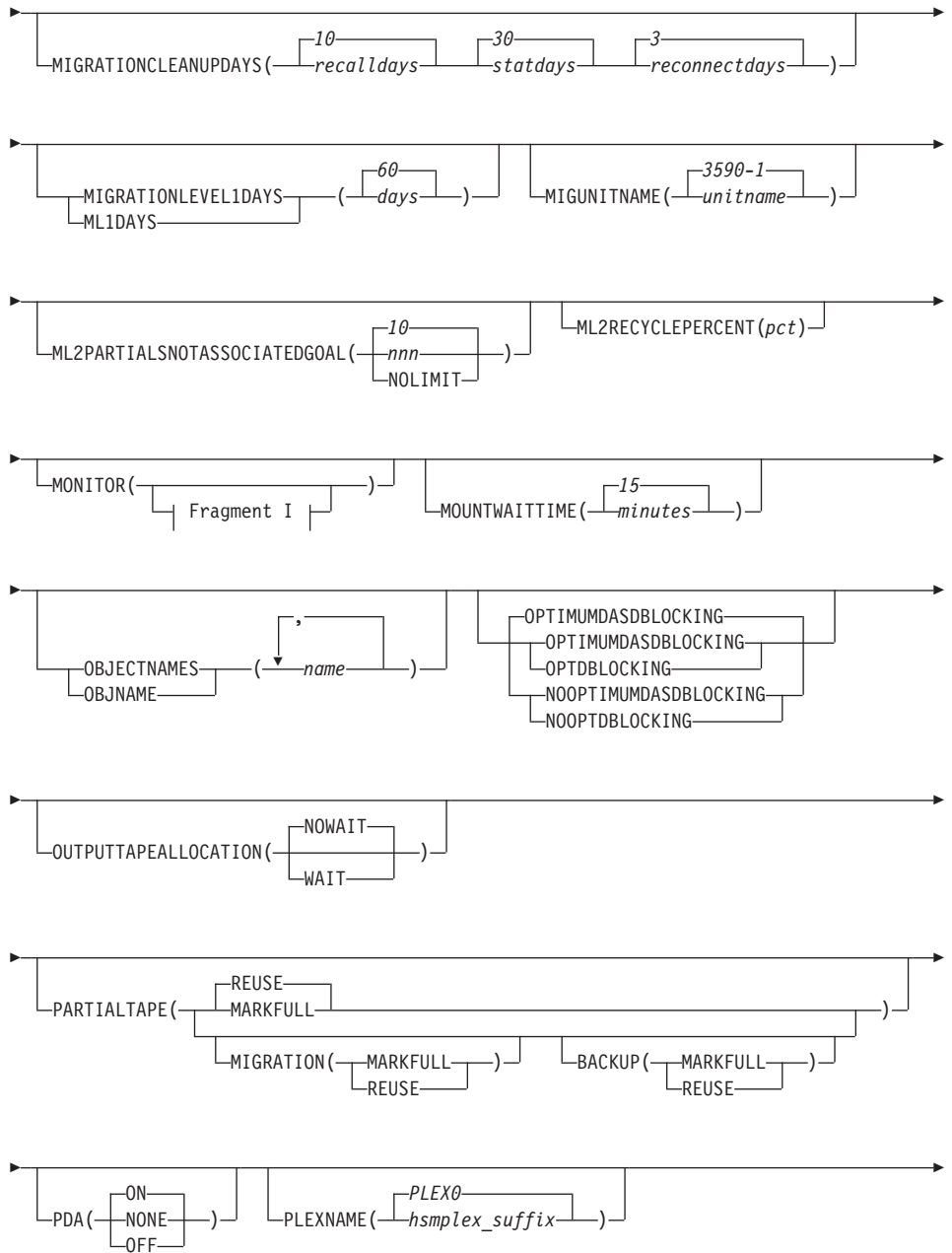


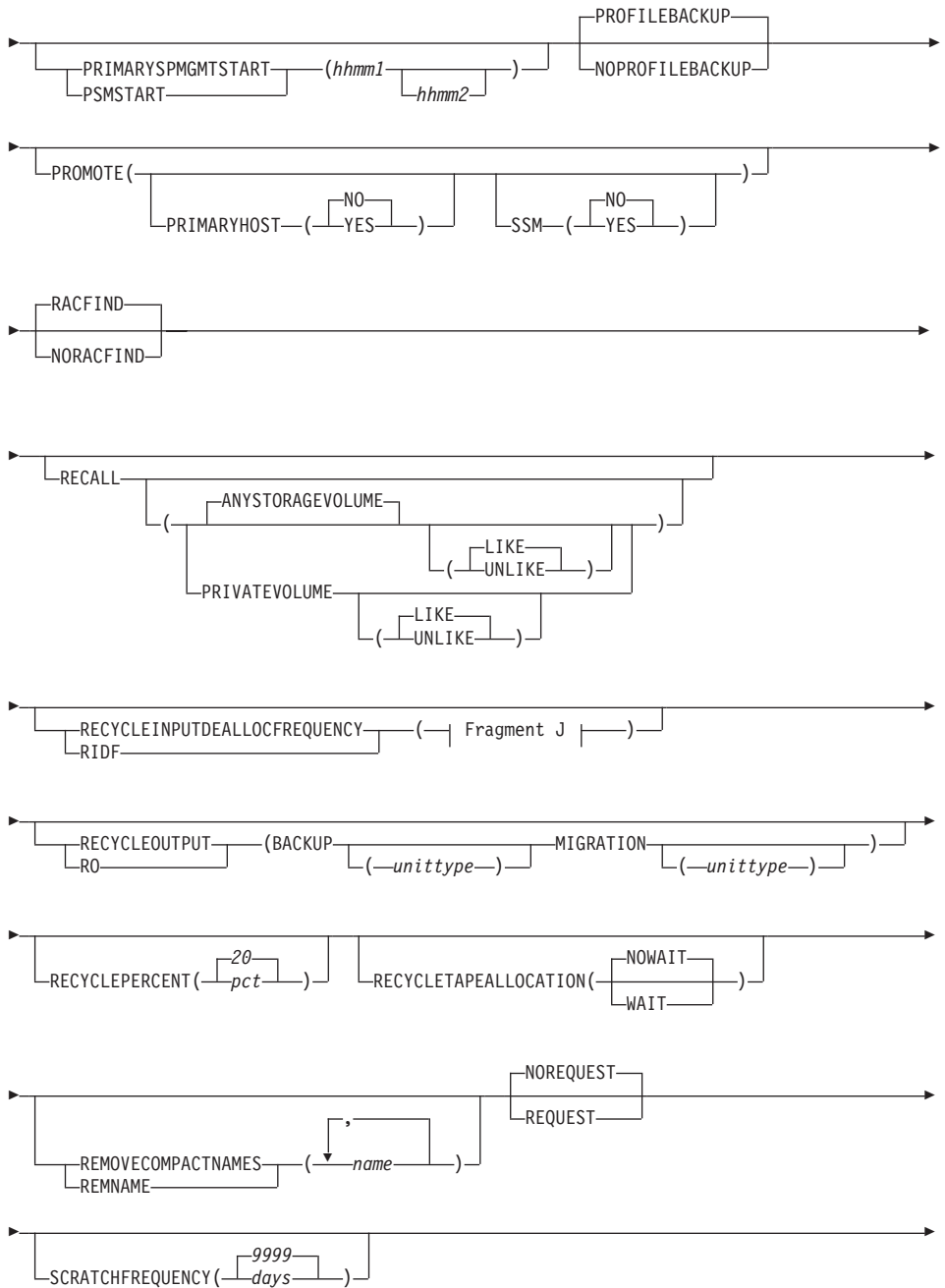


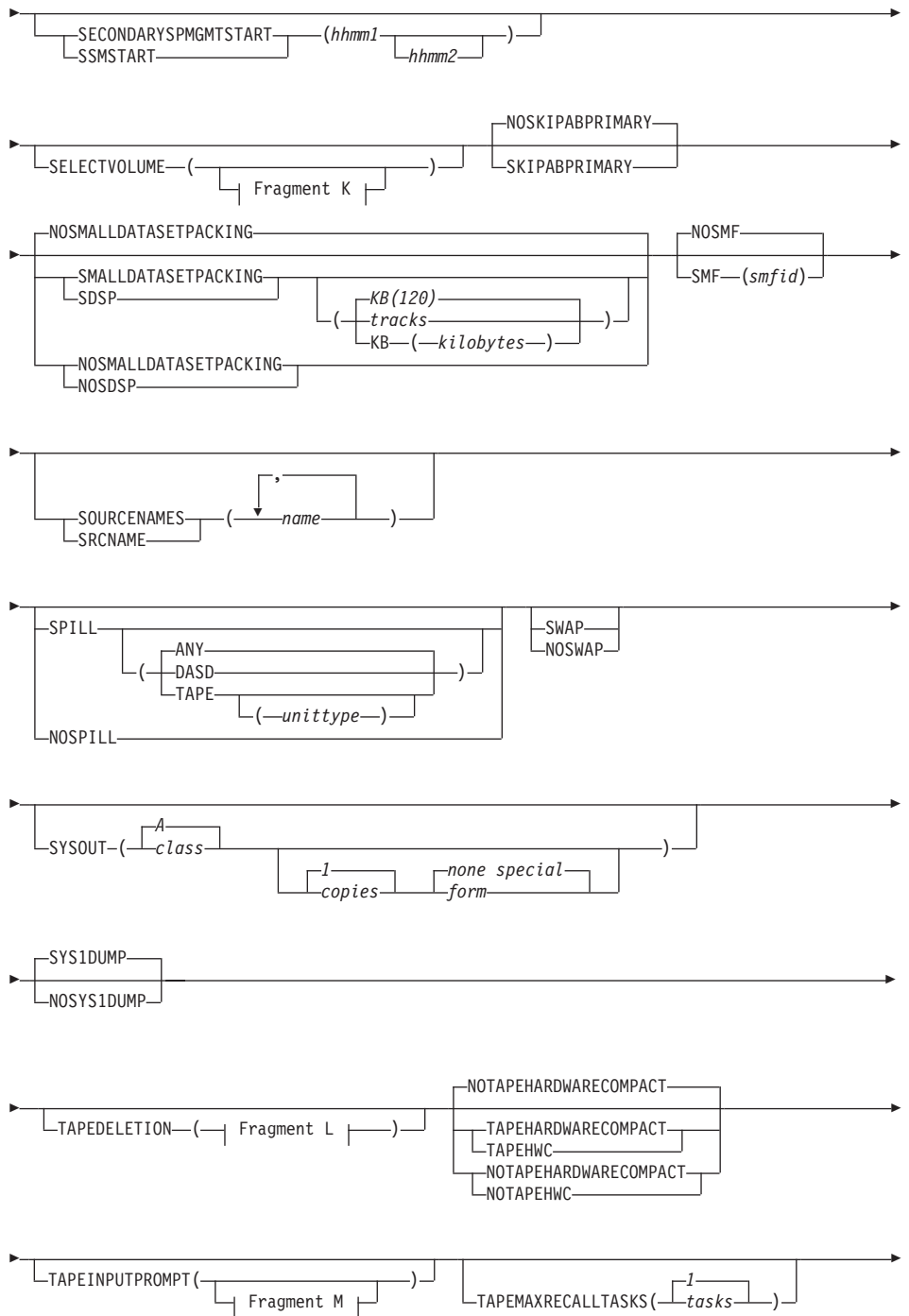


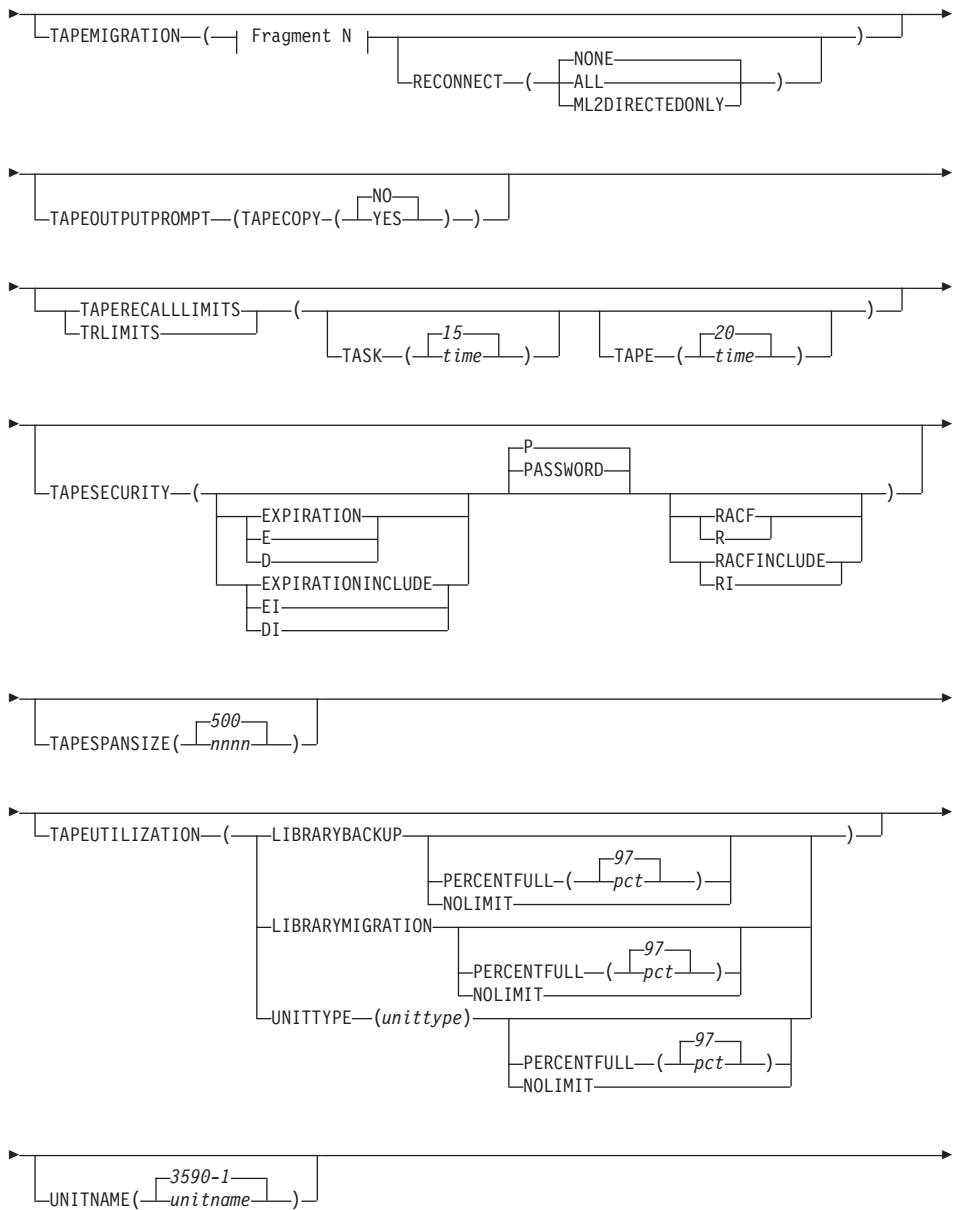


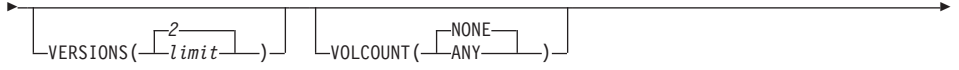
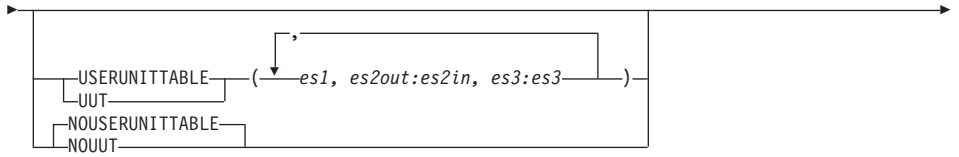




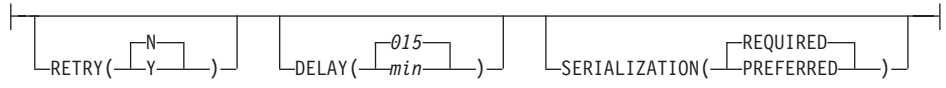




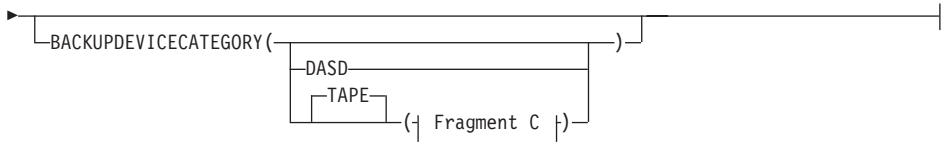
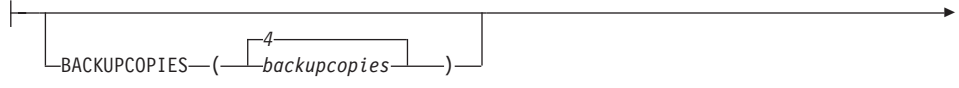




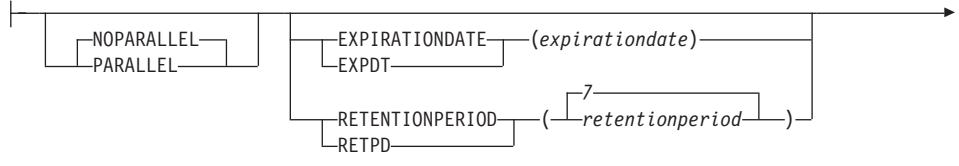
**A: INUSE Optional Parameters:**

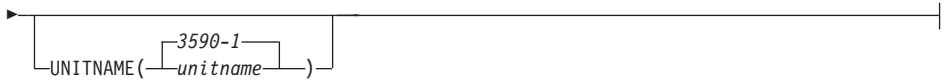


**B: CDSVERSIONBACKUP Optional Parameters:**

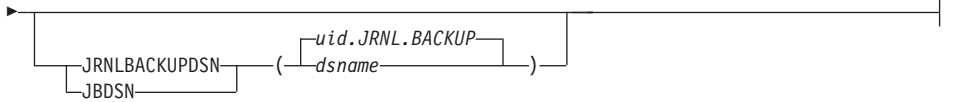
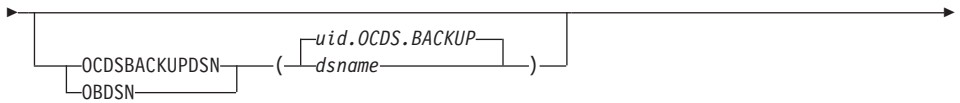
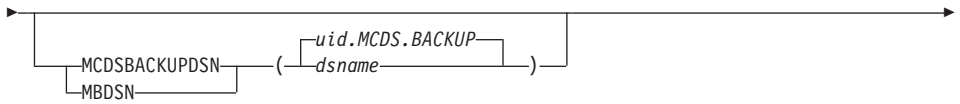
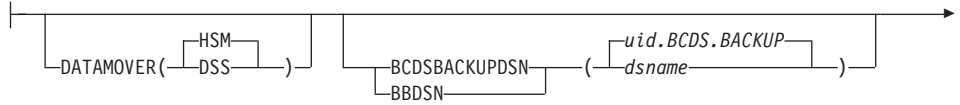


**C: TAPE Optional Parameters:**

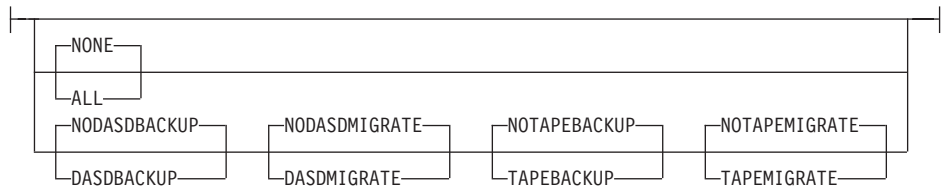




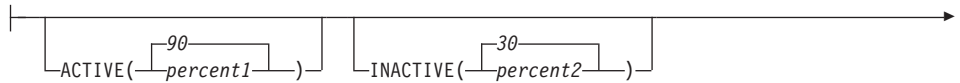
**D: Additional CDSVERSIONBACKUP Optional Parameters:**

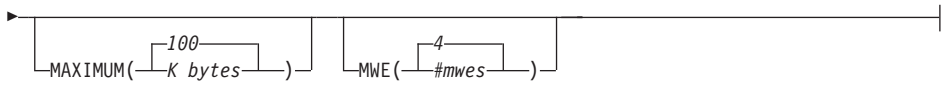


**E: COMPACT Optional Parameters:**

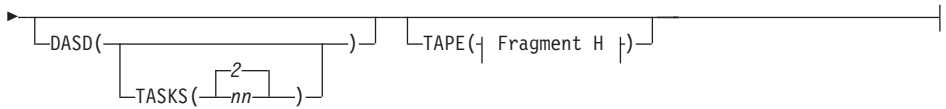
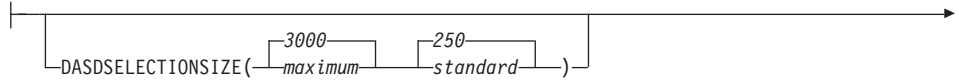


**F: CSALIMITS Optional Parameters:**

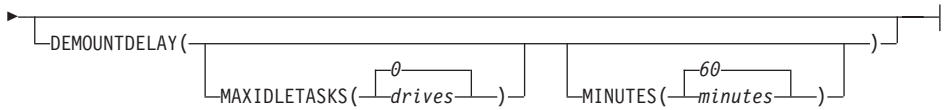




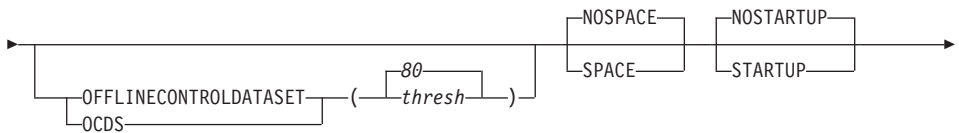
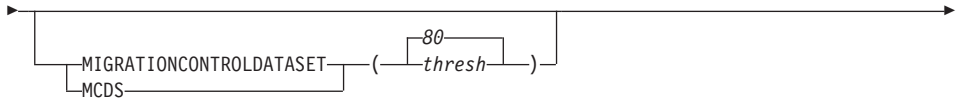
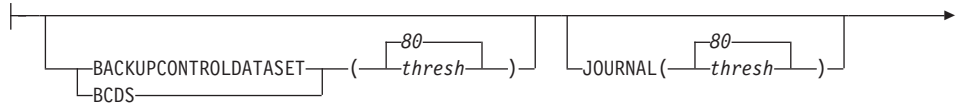
**G: DSBACKUP Optional Parameters:**



**H: Tape Optional Parameters:**



**I: MONITOR Optional Parameters:**

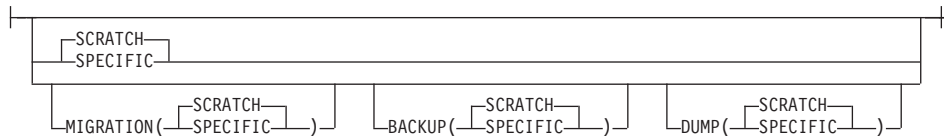




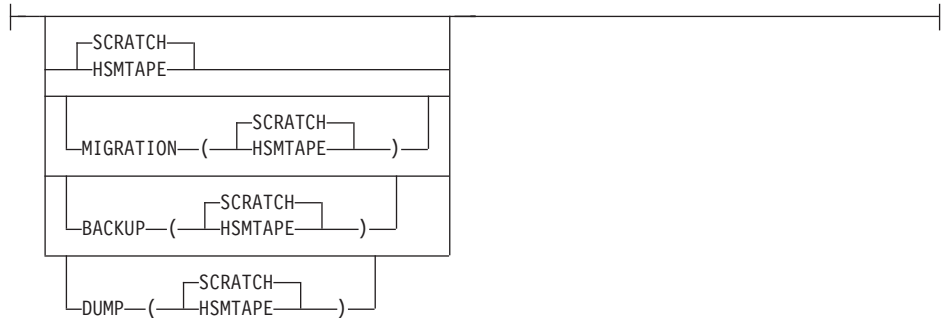
**J: RECYCLEINPUTDEALLOCFREQUENCY Optional Parameters:**



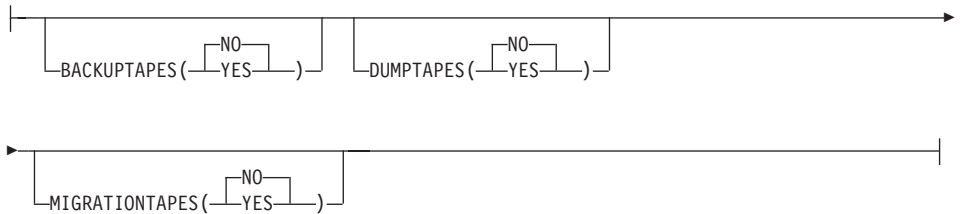
**K: SELECTVOLUME Optional Parameters:**



**L: TAPEDELETION Optional Parameters:**

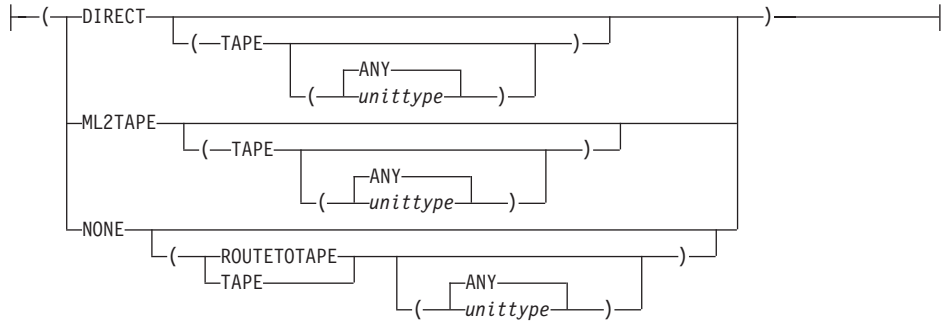


**M: TAPEINPUTPROMPT Optional Parameters:**





**N: TAPEMIGRATION Optional Parameters:**



**Note:** In a multiple address space for DFSMSHsm environment, SETSYS commands with ABARS parameters, like ABARSxxx, ARECOVERxxx, or MAXABARSADDRESSSPACE, or the SETSYS CSALIMITS command can only be issued by the host identified as the main host. DFSMSHsm ignores these commands if directed to a host identified as HOSTMODE=AUX.

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## SETSYS Fast-Path for DFSMSHsm Functions

DFSMSHsm performs two main functions: Availability Management and Space Management. Availability Management is used to make data available by automatically copying new and changed data sets to backup volumes and DASD volumes to dump tapes. Space Management is used to manage DASD space by enabling inactive data sets to be moved off fast-access storage devices thus creating free space for new allocations. DFSMSHsm also provides other supporting functions that are essential to your installation's DFSMSHsm environment.

The following table illustrates the functions performed by DFSMSHsm for Availability Management, Space Management and these supporting functions.

Main Functions	Supporting Functions
Availability Management: ABARS Backup Dump Recover	CDS (Backup, Journaling, and Monitoring) Logging and Diagnosis MVS Environment Security Tape Environment
Space Management: Expiration Extent Reduction Interval Migration Migration Recall Recycle Secondary Space Management	

The SETSYS command and its parameters are used to establish a DFSMSHsm environment. When DFSMSHsm is installed, a default set of SETSYS parameters is used. You can specify one or more SETSYS commands in the ARCCMDxx PARMLIB member that is used during the startup of DFSMSHsm or you can issue SETSYS commands with specific parameter values after DFSMSHsm is started.

The following table lists both the main and supporting functions performed by DFSMSHsm and the SETSYS parameters that affect them. The left column lists the functions and the right column lists the SETSYS parameters that affect these functions. This table emphasizes SMS-managed user data and it excludes parameters that relate to non-SMS user data and backup to DASD. Refer to the SETSYS examples at the end of this SETSYS chapter for common user scenarios that you can use for your installation.

Availability Management Functions	SETSYS Parameter
ABARS Environment	ABARSACTLOGMSGVLV
	ABARSACTLOGTYPE
	ABARSBUFFERS
	ABARSDELETEACTIVITY
	ABARSKIP
	ABARSPROCNAME
	ABARSTAPES
	ABARSUNITNAME
	EXITON(ED TV)   EXITOFF(ED TV)
	MAXABARSADDRESSSPACE
ABACKUP	ABARSOPTIMIZE
	EXITON(BE M2)   EXITOFF(BE M2)
ARECOVER	ABARSVOLCOUNT
	ARECOVERML2UNIT
	ARECOVERPERCENTUTILIZED
	ARECOVERTGTGDS
	ARECOVERUNITNAME
EXITON(CR SK)   EXITOFF(CR SK)	
Backup	AUTOBACKUPSTART
	BACKUP
	BACKUPPREFIX
	COMPACT
	COMPACTPERCENT
	DSBACKUP
	DUMPIO
	DUPLEX
	EXITON(BD SA)   EXITOFF(BD SA)
	INCREMENTALBACKUP
	MAXBACKUPTASKS
	See also the DEFINE command and the EXPIREBV command.

<b>Availability Management Functions</b>	<b>SETSYS Parameter</b>
Dump	AUTODUMPSTART
	BACKUP
	BACKUPPREFIX
	DUMPIO
	MAXDUMPTASKS
	VOLUMEDUMP
	See also the DEFINE command.
Recover	CONVERSION
	EXITON(CD RP)   EXITOFF(CD RP)
	MAXDSRECOVERTASKS
	VOLCOUNT

<b>Space Management Functions</b>	<b>SETSYS Parameter</b>
Expiration	EXPIREDDATASETS
Extent Reduction	MAXEXTENTS
Interval Migration	EXITON(MD SA)   EXITOFF(MD SA)
	INTERVALMIGRATION
	MAXINTERVALTASKS
	See also the SETSYS parameters for the Migration function with the exception of the following parameters: EXPIREDDATASETS and PRIMARYSPMGMTSTART.
Migration	COMPACT
	COMPACTPERCENT
	DUMPIO
	DUPLEX
	EXITON(MD MV SA)   EXITOFF(MD MV SA)
	EXPIREDDATASETS
	MAXMIGRATIONTASKS
	MIGRATEPREFIX
	PRIMARYSPMGMTSTART
	SMALLDATASETPACKING   NOSMALLDATASETPACKING
	TAPEMIGRATION

<b>Space Management Functions</b>	<b>SETSYS Parameter</b>
Recall	CONVERSION
	EXITON(CD RP)   EXITOFF(CD RP)
	MAXRECALLTASKS
	TAPEMAXRECALLTASKS
	TAPERECALLLIMITS
	VOLCOUNT
Recycle	MAXRECYCLETASKS
	ML2PARTIALSNOTASSOCIATEDGOAL
	ML2RECYCLEPERCENT
	RECYCLEINPUTDEALLOCFREQUENCY
	RECYCLEOUTPUT
	RECYCLEPERCENT
	RECYCLETAPEALLOCATION
Secondary Space Management	EXITON(MM)   EXITOFF(MM)
	MIGRATIONCLEANUPDAYS
	SECONDARYSPMGMTSTART

<b>Supporting Functions</b>	<b>SETSYS Parameter</b>
CDS (Backup, Journaling, and Monitoring)	CDSVERSIONBACKUP
	EXITON(CB)   EXITOFF(CB)
	JOURNAL   NOJOURNAL
	MONITOR
Logging and Diagnosis	ACTLOGMSGLVL
	ACTLOGTYPE
	DEBUG   NODEBUG
	EMERGENCY   NOEMERGENCY
	MONITOR
	PDA
	SMF
	SYSOUT
SYS1DUMP	

<b>Supporting Functions</b>	<b>SETSYS Parameter</b>
MVS Environment	CSALIMITS
	EXITON(IN SD)   EXITOFF(IN SD)
	JES2   JES3
	NOSWAP
	PLEXNAME
	PROMOTE
	USERDATASETSERIALIZATION   DFHSMDATASETSERIALIZATION
Security	ACCEPTPSCBUSERID   NOACCEPTPSCBUSERID
	ERASEONSCRATCH   NOERASEONSCRATCH
	PROFILEBACKUP   NOPROFILEBACKUP
	RACFIND   NORACFIND
	TAPESECURITY
Tape Environment	COMPACT
	DISASTERMODE
	EXITON(TD TE TV)   EXITOFF(TD TE TV)
	INPUTTAPEALLOCATION
	MOUNTWAITTIME
	OUTPUTTAPEALLOCATION
	PARTIALTAPE
	SELECTVOLUME
	TAPEDELETION
	TAPEHARDWARECOMPACT
	TAPEINPUTPROMPT
	TAPEMIGRATION
	TAPEOUTPUTPROMPT
	TAPESPANSIZE
	TAPEUTILIZATION
	UNITNAME
USERUNITTABLE   NOUSERUNITTABLE	

## Relationship of SMS to SETSYS Parameters

The following table indicates the relationship of the SETSYS parameters to SMS-managed DASD volumes and SMS-managed DASD data sets. Parameters that apply equally to both SMS-managed and non-SMS-managed DASD volumes and DASD data sets are not included in this table.

The following abbreviations and their meanings are used in this table:

Abbreviations	Meaning	Description
APP	Applicable	Parameter differs in meaning when applied to SMS-managed or non-SMS-managed DASD volumes or data sets.
CAPP	Conditionally Applicable	Parameter applies in some instances to SMS-managed DASD volumes or data sets.
NAPP	Not Applicable	Parameter does not apply to SMS-managed DASD volumes or data sets.

All SETSYS parameters that affect tape data set names, tape volumes, and tape unit types are applicable to SMS-managed tape environments, and may have different meanings from non-SMS-managed tape environments, depending on the SMS implementation.

**Note:** Although the SETSYS command has no required parameters, you must specify at least one of the optional parameters to change any system parameters or default values.

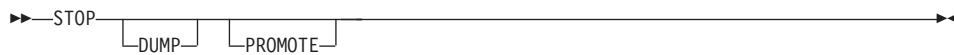
SMS Relationship	SETSYS Optional Parameters
CAPP	ABARSVOLCOUNT
NAPP	ARECOVERPERCENTUTILIZED
APP	BACKUP   NOBACKUP
APP	COMPACT
APP	COMPACTPERCENT
CAPP	CONVERSION   NOCONVERSION
NAPP	DAYS
APP	DEBUG   NODEBUG
APP	DFHSMDATASETSERIALIZATION   USERDATASETSERIALIZATION
APP	EMERGENCY   NOEMERGENCY
APP	ERASEONSCRATCH   NOERASEONSCRATCH
APP	EXITOFF

<b>SMS Relationship</b>	<b>SETSYS Optional Parameters</b>
APP	EXITON
CAPP	EXPIREDDATASETS
NAPP	FREQUENCY
APP	INCREMENTALBACKUP
APP	INTERVALMIGRATION   NOINTERVALMIGRATION
APP	MAXEXTENTS
APP	MIGRATIONCLEANUPDAYS
NAPP	MIGRATIONLEVEL1DAYS
APP	OBJECTNAMES
APP	PROFILEBACKUP   NOPROFILEBACKUP
APP	RACFIND   NORACFIND
NAPP	RECALL
APP	REMOVECOMPACTNAMES
NAPP	SCRATCHFREQUENCY
APP	SKIPABPRIMARY   NOSKIPABPRIMARY
APP	SMF   NOSMF
CAPP	TAPEMIGRATION
NAPP	TAPEOUTPUTPROMPT
APP	USERUNITTABLE   NOUSERUNITTABLE
NAPP	VERSIONS
CAPP	VOLCOUNT



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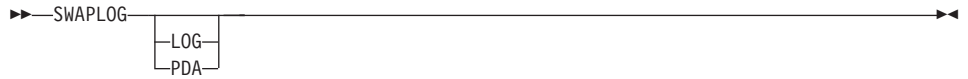
## Chapter 34. STOP: Shutting Down DFSMSHsm





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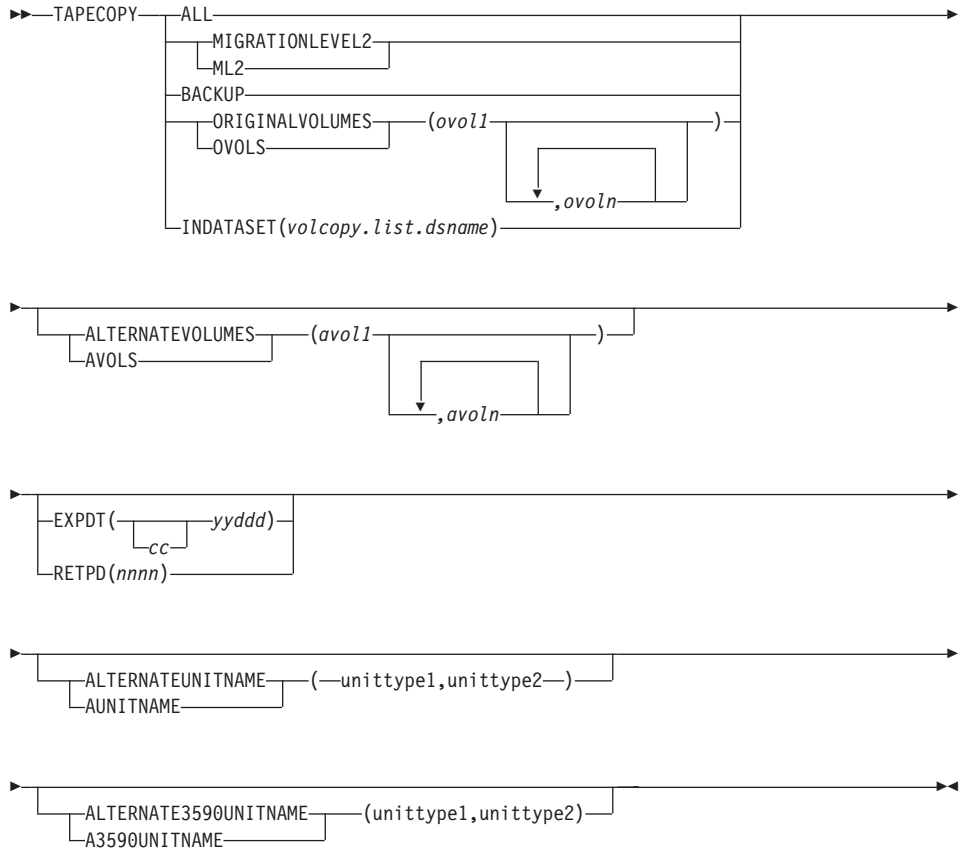
## Chapter 35. SWAPLOG: Switching Between the DFSMSHsm Log Data Sets



**Note:** The SWAPLOG command has no required parameters.

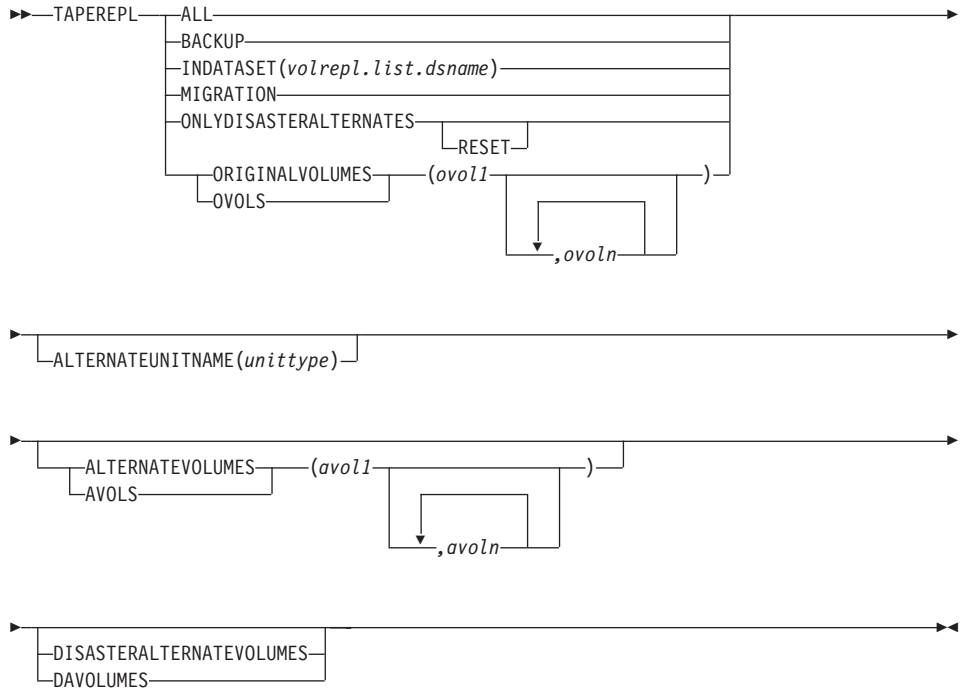


# Chapter 36. TAPECOPY: Making Copies of Selected Cartridge-Type Tape Volumes





# Chapter 37. TAPEREPL: Replacing Cartridge-Type Tape Volumes with Their Alternate Volumes

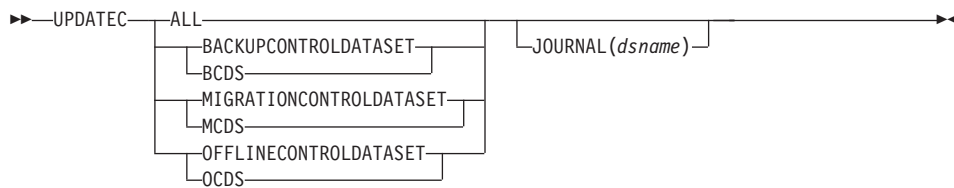






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## Chapter 38. UPDATEEC: Recovering the Control Data Sets





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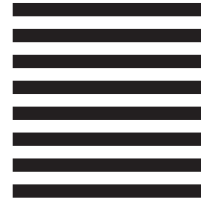
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