StorageTek
Enterprise Library Software

Syntax Quick Reference

Version 7.1

ELS 7.1 Syntax Quick Reference

E35321-01

Contents

Preface

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

- Oracle's StorageTek Storage Management Component (SMC) (includes the product formerly known as StorageTek HTTP Server)
- Oracle's StorageTek Host Software Component (HSC)
- Oracle's StorageTek Virtual Tape Control Software (VTCS)
- Oracle's StorageTek Concurrent Disaster Recovery Test (CDRT)

This publication provides syntax for commands, control statements, and utilities provided by ELS. It is intended for storage administrators, system programmers and operators responsible for configuring and maintaining ELS.

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

- MSP/EX operating system
- JES
- Enterprise Library Software (ELS)

Related Documentation

StorageTek Enterprise Library Software (ELS)

- *Introducing ELS*
- *Installing ELS*
- *ELS Syntax Quick Reference*
- *ELS Messages and Codes*
- *ELS Programming Reference*
- *ELS Legacy Interfaces Reference*
- *Configuring HSC and VTCS*
- *Managing HSC and VTCS*
- *Configuring and Managing SMC*
- *ELS Disaster Recovery and Offsite Data Management Guide*

Documentation, Support, and Training

Function	URL
Oracle Home	http://oracle.com
Documentation	http://oracle.com/technetwork/indexes/documentation/index.html
Support	http://www.oracle.com/us/support/044752.html
Training	http://www.oracle.com/us/education/selectcountry-new-079003.html

Additional Information

Conventions for Reader Usability

Typographic

Some JCL examples in this guide include *italic* type. Italic type is used to indicate a variable. You must substitute an actual value for these variables.

The use of mixed upper and lower case characters for commands, control statements, and parameters indicates that lower case letters may be omitted to form abbreviations. For example, you may simply enter POL when executing the POLicy command.

Syntax Flow Diagrams

Syntax flow diagramming conventions include the following:

Flow Lines

Syntax diagrams consist of a horizontal base line, horizontal and vertical branch lines, and the text for a command, control statement, macro, or utility. Diagrams are read left to right, and top to bottom. Arrows indicate flow and direction.

```
►►─COMMAND/MACRO/UTILITY──┬─Item 1──────────────┬────────────────────►◄
                          ├─Item 2──────────────┤
                          └─Item 3──────────────┘
```
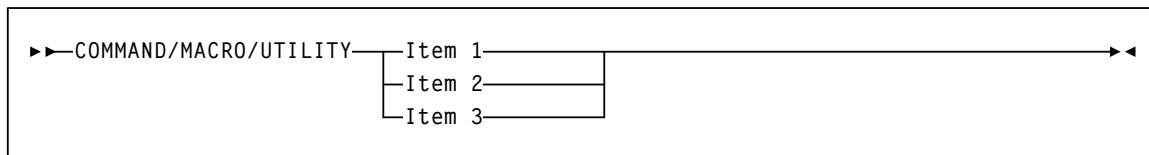
Single Required Choice

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

```
►►──┬─Item 1──────────────┬─────────────────────────────────────────►◄
    ├─Item 2──────────────┤
    └─Item 3──────────────┘
```
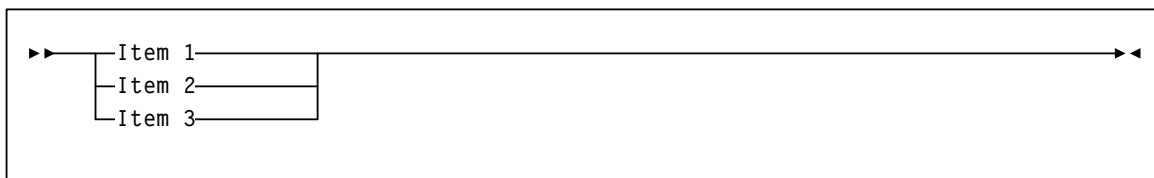
Single Optional Choice

If the first item is positioned on the line below the baseline, one item may be optionally selected.

```
►►─┬─────────┬──────────────────────────────────────►◄
   ├─Item 1──┤
   ├─Item 2──┤
   └─Item 3──┘
```
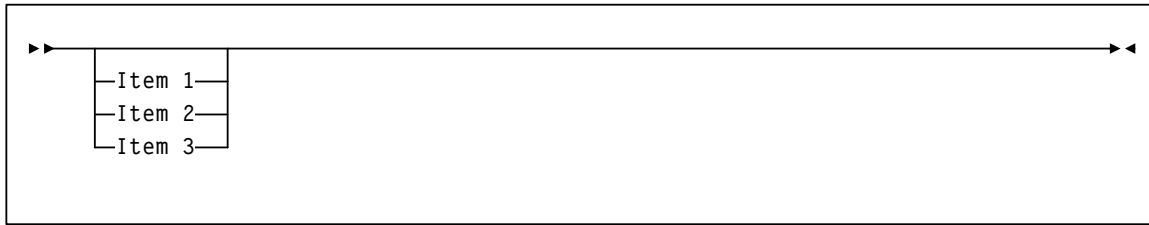
Defaults

Default values and parameters appear above the baseline.

```
        ┌─Default─┐
►►──────┴─────────┴──────────────────────────────────►◄
```
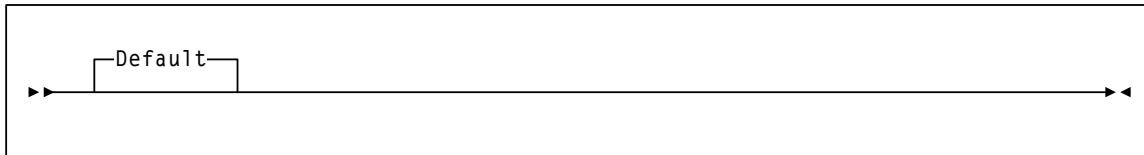
Some keyword parameters provide a choice of values in a stack. When the stack contains a default value, the keyword and the value choices are placed below the base line to indicate that they are optional, and the default value appears above the keyword line.

```
►►─┬─────────────────────────┬──────────────────────►◄
   │        ┌─Default Value─┐ │
   └─Keyword─┼─Value2────────┼─┘
            └─Value3────────┘
```
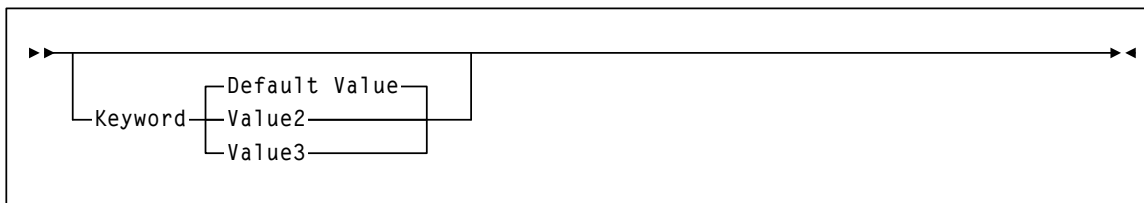
Repeat Symbol

A repeat symbol indicates that more than one choice can be made or that a single choice can be made more than once. The following example indicates that a comma is required as the repeat delimiter.

```
     ┌─,────────┐
►►───▼─variable─┴─────────────────────────────────────►◄
```
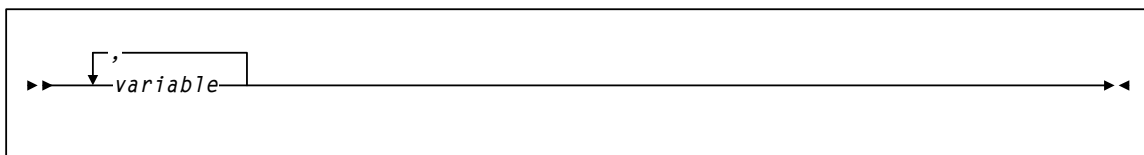
Keywords

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.

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.

A hexadecimal range consists of a pair of hexadecimal numbers (for example, 0A2-0AD, or 000-0FC).

A decimal range consists of a pair of decimal numbers (i.e., 1-9, or 010-094). Leading zeros are not required. The decimal portion is referred to as an incremental range. The character positions of the incremental portion of both range elements must match, and the non incremental characters of the first element must be identical to those of the second element.

A numeric VOLSER range (*vol-range*) consists of a pair of VOLSER elements containing a decimal numeric portion of 1 to 6 digits (for example, ABC012-ABC025, or X123CB-X277CB). The decimal portion is referred to as an incremental range. The following additional restrictions apply:

- The character positions of the incremental portion of both range elements must match.
- The non incremental characters of the first element must be identical to those of the second element.
- You cannot increment two portions of a range element. If 111AAA is the first element, you cannot specify 112AAB for the second element.

- If a VOLSER range contains more than one decimal portion, any portion is valid as the incremental range. For example:

A<u>00</u>B<u>00</u>	the largest range that can be specified is A00B00 through A99B99.
A<u>0</u>B<u>0</u>CC	the largest range that can be specified is A0B0CC through A9B9CC.
<u>000</u>XXX	the largest range that can be specified is 000XXX through 999XXX.

An alphabetic VOLSER range (*vol-range*) consists of a pair of VOLSER elements containing an incremental portion of 1 to 6 characters (for example, 000<u>AAA</u>-000<u>ZZZ</u>, or 9<u>AAA</u>55-9<u>ZZZ</u>55). This portion is referred to as an incremental range. The following additional restrictions apply:

- The character positions of the incremental portion of both range elements must match.
- The non incremental characters of the first element must be identical to those of the second element.
- You cannot increment two portions of a range element. If 11<u>1</u>AA<u>A</u> is the first element, you cannot specify 11<u>2</u>AA<u>B</u> for the second element.
- The alphabetic portion of the VOLSER range is defined as being from character A to Z. To increment multi-character sequences, each character increments to Z. For instance, ACZ is part of the AAA-AMM range. Examples are:

A<u>00</u>A0-A<u>99</u>A0	increments VOLSERs A00A0 through A09A0, then A10A0 through A99A0.
9<u>AA</u>9A-9<u>ZZ</u>9A	increments VOLSERs 9AA9A through 9AZ9A, then 9BA9A through 9ZZ9A.
111<u>AAA</u>-111<u>ZZZ</u>	increments VOLSERs 111AAA through 111AAZ, then 111ABA through 111ZZZ
999<u>AM</u>8-999<u>CM</u>8	increments VOLSERs 999AM8 through 999AZ8, then 999BA8 through 999CM8
A3<u>BZZ</u>9-A3<u>CDE</u>9	increments VOLSERs A3BZZ9 through A3CAA9, then A3CAB9 through A3CDE9
<u>AAAAAA</u>-<u>AAACCC</u>	increments VOLSERs AAAAAA through AAAAAZ, then AAAABA through AAACCC
<u>CCCNNN</u>-<u>DDDNNN</u>	increments VOLSERs CCCNNN through CCCNNZ, then CCCNOA through DDDNNN [*]

[*] **Caution:** This is a very large range.

The number of volumes in an alphabetic VOLSER range depends on the number of elements in the incrementing portion of the VOLSER range. For an A to Z range in each character position, the number of volumes can be calculated by 26 to the power of the number of positions that are being incremented.

A-Z	26^1	26
AA-ZZ	26^2	676
AAA-ZZZ	26^3	17,576
AAAA-ZZZZ	26^4	456,976
AAAAA-ZZZZZ	26^5	11,881,376
AAAAAA-ZZZZZZ	26^6	308,915,776

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 space, and the entire list must be enclosed in parentheses.

Blanks

Keyword parameters and values may be separated by any number of blanks.

Control Statements

The standard syntax conventions for control statements are as follows:

- The only valid control statement information area is from column 1 to column 72. Columns 73-80 are ignored.
- Parameters may be separated by one or more blanks or a comma.
- A value is associated with a parameter by an equal (=) sign or by enclosing the value in parentheses, and concatenating it immediately after the parameter.
- Case (upper or lower) is ignored in actual control statements.
- Continuations are supported by including a plus (+) sign at the end of the line to be continued. A control statement is terminated if the statement is not continued.
- /* and */ can be used to enclose comments in the job stream. Comments can be continued over multiple lines, but cannot be nested.

  PARMLIB members **must** include a /*...*/ comment as the **first** control statement. Otherwise, the old format is assumed. Comments in the old format must begin with an asterisk (*) in column 1.

  For definition data sets (e.g., VOLATTRs, UNITATTRs and TAPEREQs), comments **must** be in the new format (/*...*/).

  - Asterisk (*) comments are **not** allowed.
  - A /*...*/ comment in the first line is **not** required.
- The maximum length for a control statement is 1024 characters.

SMC Commands and Control Statements

This chapter contains syntax for SMC commands and control statements. Interface and subsystem requirement information is included with each command.

Control statements that are loaded by an operator command are described along with that command.

Note – For detailed information about the commands and control statements included in this publication, and the interfaces used to issue them, refer to the *ELS Command, Control Statement, and Utility Reference*.

ALLOCDef

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                   ┌─LIst─────────────────────┐
►►──ALLOCDef───────┼──────────────────────────┼──►◄
                   ├─OFF──────────────────────┤
                   │      └─LIst─┘             │
                   └─Optional Parameters───────┘
```

Optional Parameters:

```
├─────────────────────────────────────────────────────────────────────►
  │          ┌─2────────┐  │    │        ┌─MAX──────┐     │
  └─MINLvl(──┴─minlevel─┴──)─┘   └─SEPLvl(─┼─MIN──────┼───)─┘
                                           └─seplevel─┘

├─────────────────────────────────────────────────────────────────────►
  │             ┌─OFF──────┐   │    │         ┌─OFF─┐    │
  └─FAILnoinfo(─┼─ALL──────┼──)─┘   └─MIAcompat(─┴─ON──┴──)─┘
                └─SPECIFIC─┘

├─────────────────────────────────────────────────────────────────────►
  │       ┌─OFF─┐   │    │       ┌─ON──┐     │
  └─CA1rts(─┴─ON──┴──)─┘     └─DEFer(─┴─────┴───)─┘
                                     └─OFF─┘

├─────────────────────────────────────────────────────────────────────►
  │          ┌─OFF──────────────────────┐  │
  └─EXTVOLesot(─┴─esoteric-[,─┬─USEREXIT─┬─]──)─┘
                             └─ALL──────┘
                                              │        ┌─ON,──┬─INside──┐      │
                                              └─ZEROscr(─┤     └─OUtside─┘  ──)─┘
                                                        └─OFF,─┬─INside──┐
                                                               └─OUtside─┘

├─────────────────────────────────────────────────────────────────┤
  │       ┌─OFF─┐   │    ┌─LIst─┐
  └─CAVTAPe(─┴─ON──┴──)─┘
```

ALLOCJob

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                      ┌─LIst─────────────┐
►►─ALLOCJob───────────┼──────────────────┼──────────────────────────────►◄
                      └─Optional Parameters─┘


Optional Parameters:

├────────────────┬─JOBname(jobname)──────────────────────────────────────►
       └─OFF─┘                    └─STEPname(stepname)──┐
                                                 └─PROCstep(procstep)─┘

►───────────┬──────────────────────┬──────────────────────────┬─LIst─┤
    └─BYPass─┘     ┌─2────────┐          ┌─MAX────┐
            └─MINLvl(─┴─minlevel──┴─)─┘   └─SEPLvl(─┼─MIN─────┼─)─┘
                                          └─seplevel─┘
```

Note: BYPass cannot be specified with the MINLvl or SEPLvl parameter.
It is only valid when JOBname is also specified.

CMDDef

Interfaces:

Console, utility, or SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required

```
              ┌─LIst─────────────┐
►►─CMDDef──┴──────────────────┴──────────────►◄
              └─PREFix(command-prefix)─┘
```

COMMtest

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

Note – Only HSC TapePlexes or VLEs are eligible for the COMMtest command.

```
►──COMMtest───┬───────────────────────────────────────────────────────────►◄
              │
              ├─TAPEPlex(name)─┬──────────────┬──┬──────────┬──
              │                ├─SERVer(name)─┤  └─ANYSTATus─┘
              │                ├─LOCalpath────┤
              │                └─ALLpaths─────┘
              │
              └─STORMNGR(name)─┬──────────────┬──┬──────────┬──
                               ├─SERVer(name)─┤  └─ANYSTATus─┘
                               └─ALLpaths─────┘
```

Display DRive

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
►►─┬─Display─┬─DRive──────────────────────────────────────────────┬─ACTive─┬─►◄
   └─Query───┘        ┌─(──┬─devnum────────────┬──)─┐              └────────┘
                      │    ├─devnum range───────┤   │
                      │    │  ┌─,──────────┐     │   │
                      │    │  ▼            │     │   │
                      │    └────devnum list┘     │   │
                      │                          │   │
                      │                 ┌─ALL──┐ │   │
                      ├─TAPEPlex(name)──┼─Real──┤─┤   │
                      │                 └─Virtual┘ │   │
                      │                            │
                      ├─Real and Virtual─┐         │
                      │    (No Nonlib)    │         │
                      │                   │         │
                      ├─Real─────┐        │
                      ├─Virtual──┤        │
                      ├─Nonlib───┤        │
                      └─ALL──────┘
```

Display RC

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (supports XML and CSV)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
►►──┬─Display──┬──┬─RC─────┬──┬────────┬──┬─────────────┬────────────┬─DETail─┬─►◄
    └─Query────┘  └─REASon─┘  ├─X───┤     ├─nnnn────────┤            └────────┘
                              ├─HEX─┤     └─(nnnn-nnnn)─┘
                              └─ALL────────────────────────────┘
```

Display Volume

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
►►──┬─Display──┬──Volume(──┬─volser───────┬──)──┬────────────┬─►◄
    └─Query────┘           ├─volser-range─┤     └─ALLtapeplex─┘
                           └─volser-list──┘
```

DRIVemap

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                                   ┌─LIst──────────────┐
►►──DRIVemap──┤                    ├──────────────────────────────►◄
                                   └─Optional Parameters─┘


Optional Parameters:

├──┬──────┬──┬─CLient(─┬─devnum───────┬─)─┬──────────────────────────────┬──┬──────┬──┤
   └─OFF──┘  │         ├─devnum-range─┤   └─SErver(─┬─devnum───────┬─)─┘  └─LIst─┘
             │         │  ┌─,─────┐   │             ├─devnum-range─┤
             │         └──▼─devnum-list─┘             │  ┌─,─────┐   │
             │                                        └──▼─devnum-list─┘
```

Help

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
►►─Help─────────────────────────────────────────────────►◄
       ─command-name──
       ─nnnn──────────
       ─nnnn-nnnn──────
       ─SMCnnnn───────
       └─SMCnnnn-SMCnnnn─┘
```

HTTP

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required

```
►►──HTTP──┬─────────────────────────────────────────────────────────────┬──►◄
          ├─LIst──┬───────────┬──────────────────────────────────────────┤
          │       └─DETail────┘                                          │
          ├─STArt──┬──────────────────────┬──┬─────────────────────┬──┬───────┬─┤
          │        └─PORT(──┬─8080─┬──)────┘  └─Tuning Parameters───┘  └─LIst──┘ │
          │                 └─nnnn─┘                                             │
          ├─STOp──┬─────────┬───────────────────────────────────────────┤
          │       └─FORCE───┘                                           │
          └─Tuning Parameters──┬────────┬──────────────────────────────┘
                               └─LIst───┘
```

Tuning Parameters:

 Note: May be included with **STArt** or after **HTTP** startup

```
├──┬──────────────────────────────────────────────────┬──────────────►
   │             ┌─4─┐              ┌─100─┐            │
   └─HSIOtasks(──┴─n─┴──)─MAXClients(──┴─nnn─┴──)──────┘

►──┬───────────────────────────────────────────────────────┬──────────┤
   │          ┌─500──┐           ┌─200──┐                   │
   └─SQUELEN(──┴─nnnn─┴──WQUELEN(──┴─nnnn─┴──)──)────────────┘
```

LIst

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                                                      ┌─100──┐
►►─LIst─┬─Address(address)─────────Length(─┴─length─┴─)─┬──────────►◄
        ├─CB(control-block-name)────────────────────────┤
        ├─TASKs──────────────────────────────────────────┤
        └─FUNIT(─┬─uuuu───────┬─)─────────────────────────┘
                 └─uuuu─uuuu──┘
```

LOG

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required

```
►►─LOG─┬─List────────────────────────────┬──►◄
       │                                 │
       ├─OFF─────────────────────────────┤
       │     └─LIst─┘                    │
       │                                 │
       └─Optional Parameters─────────────┘
                            └─List─┘


Optional Parameters:

├──┬──────────────────────────┬──┬──────────────────┬──┬─────────────────────┬──►
   │        ┌─,──────────┐     │  │      ┌─OFF─┐     │  │         ┌─OFF─┐      │
   └─TYpe(──▼─record-type─┴─)──┘  └─LRECL(┴─lrecl─┴─)─┘  └─EOFREstart(┴─ON──┴─)─┘


►──┬─STart──────────┬──────────────────────────────┤
   │      └─APPend─┘ │
   └─STOp───────────┘
```

METAdata

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active SMC required

```
►►─METAdata──────────────────────────────────────────►◄
         └─command-name─┘
```

MONitor

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

- Active SMC required
- Cannot be input to the SMCUSIM utility

```
             ┌─LIst─┐
►►──MONitor──┼──────┼──────────────────────────────────►◄
             ├─OFF──┤
             └─Monitor Parameters─┐
                          └─LIst─┘


 Monitor Parameters:

         ┌─60──┐              ┌─180─┐            ┌─0───┐
├──INTerval(──┼─nnnn─┼──)──ACTivecheck(──┼─nnnn─┼──)──MISSedmnt(──┼─nnnn─┼──)──────────►
         └─OFF─┘              └─OFF─┘            └─OFF─┘

         ┌─60──┐            ┌─ON──┐
►──LOWSCRatch(──┼─nnnn─┼──)──PREFprimary(──┼─────┼──)──────────────────────────────┤
         └─OFF─┘            └─OFF─┘
```

MOUNTDef

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                  ┌─LIst─────┐
►►──MOUNTDef───────┼──────────┼───────────────────────────────►◄
                  ├─OFF──────┤
                  │    └─LIst─┘
                  └─Optional Parameters─┘


Optional Parameters:

├─────────────────────────────────────────────────────────────►
   │          ┌─ON──┐         │   │          ┌─OFF─┐         │
   └─AUTOPendmount(─┼─OFF─┴─)──┘   └─DISMSCRReal(─┴─ON──┴─)──┘


►──────────────────────────────────────────────────────────────►
   │          ┌─OFF─┐      │   │       ┌─OFF─┐      │   │     ┌─ON──┐    │
   └─DISMSCRVirt(─┴─ON──┴─)─┘   └─VOLWatch(─┴─ON──┴─)─┘   └─ROLLmsg(─┴─OFF─┴─)─┘


►──────────────────────────────────────────────────────────────►
   │           ┌─OFF─┐      │   ┌─LIst─┐
   └─VTVCompletemsg(─┴─ON──┴─)──┘ └──────┘


►──────────────────────────────────────────────────────────────►
   │          ┌─ON──┐      │           ┌─3──┐          ┌─OFF─┐     │
   └─SWAPAutoreply(─┴─OFF─┴─)──SWAPLimit(─┼─nn─┼─)──SWAPReuse(─┴─ON──┴─)─┘
                                        └─OFF┘


►──────────────────────────────────────────────────────────────►◄
   │          ┌─2───┐   │
   └─IOS003Alimit(─┼─OFF─┼────┘
                   └─nn──┘
```

MSGDef

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                      LIst
  ►►─MSGDef───────────────────────────────────────────────►◄
              ├─OFF────────────┤
              │     └─LIst─┘   │
              └─Optional Parameters─┘


Optional Parameters:

  ┌──────────────────────────────────────────────────────────►
  │         UPPER              8                    OFF
  └─CASE(──┬─────────┬──)─┘ └─LVl(──┬───────┬──)─┘ └─ECHOmnterr(──┬──────┬──)─┘
           └─MIXED───┘              └─level─┘                     └─ON───┘

  ►─────────────────────────────────────────────────────┤
         ON                    OFF              ┌─LIst─┐
  └─SMCWtorpfx(──┬──────┬──)─┘ └─VERBOSE(──┬──────┬──)─┘
                 └─OFF──┘                  └─ON───┘
```

MSGJob

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                 ┌─LIst───────────┐
 ►►──MSGJob──────┤                ├──────────────────────────────────►◄
                 └─Optional Parameters─┘


Optional Parameters:

 ┌─────────────────────────────────────────────────────────────►
 │                                                      ┌─8────┐
 └─JOBname(jobname)─────────────────────────── LVL(────┴─level─┴──)─
                 └─STEPname(stepname)──────────────┘
                             └─PROCstep(procstep)─┘

 ►───────────────────────────────────────────────────────────────┤
    └─OFF─┘ └─LIst─┘
```

POLicy

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
►►─POLICY─┬──────────────────────────────────────────────────────────┬──►◄
          │  ┌─LISt─┬──────────────┬─┬─DETail─┬─┬──────┬─┬─VOLType(────────────────)─┤
          │  │      └─NAme(name)───┘ └─TERse──┘ └─ERRor─┘ │         ┌─Specific─┐    │
          │  │                                            │         ├─Scratch──┤    │
          │  │                                            │         └─Nonspec──┘    │
          │  │                                                                      │
          │  ├─VALidate─┬────────────┬─┬─VOLType(─────────)─┬─┬──────┬──────────────┤
          │  │          └─NAme(name)─┘ │    ┌─Specific─┐    │ └─LISt─┘              │
          │  │                         │    ├─Scratch──┤    │                       │
          │  │                         │    └─Nonspec──┘    │                       │
          │  │                                                                      │
          └  └─NAme(name)──┬─NOne──────────────┬─┬──────┬─┬──────────┐              │
                           └─Policy Parameters─┘ └─LISt─┘ └─VALidate─┘
```

Policy Parameters:

```
├──┬──────────────────────────────┬─┬──────────────────────────┬──────────────────►
   │           ┌─SCratch─┐         │ └─MEDia(──┬─media type─┬──)─┘
   └─VOLType(──┼─SPecific─┤──)──────┘           └────◄───────┘
              └─Nonspec──┘

├──┬──────────────────────────────────┬─┬──────────────────────────┬────────────────►
   └─RECtech(──┬─recording-technique─┬─)   └─SUBPool(subpool-name)───┘
   │           └─────────◄──────────┘ │
   └─MODel(──┬─model-type─┬──)─────────┘
            └──────◄──────┘

├──┬──────────────────────┬─┬─PREFer(──┬─Location─┬──)─┬──────────────────────────►
   └─ESOTeric(esoteric-list)─┘          ├─Esoteric─┤
                                        └─Count────┘

├──┬──────────────────────────┬─┬─TAPEPlex(tapeplex-name)─┬─────────────────────────►
   └─MGMTclas(mgmt-class-name)─┘ └─NOTAPEPlex──────────────┘

├──┬──────────────────────────┬─┬──────────────────────┬────────────────────────────┤
   └─EXTVOLesot(esoteric-list)─┘ └─SPLITvolref(──┬─OFF─┬──)─┘
                                                 └─ON──┘
```

READ

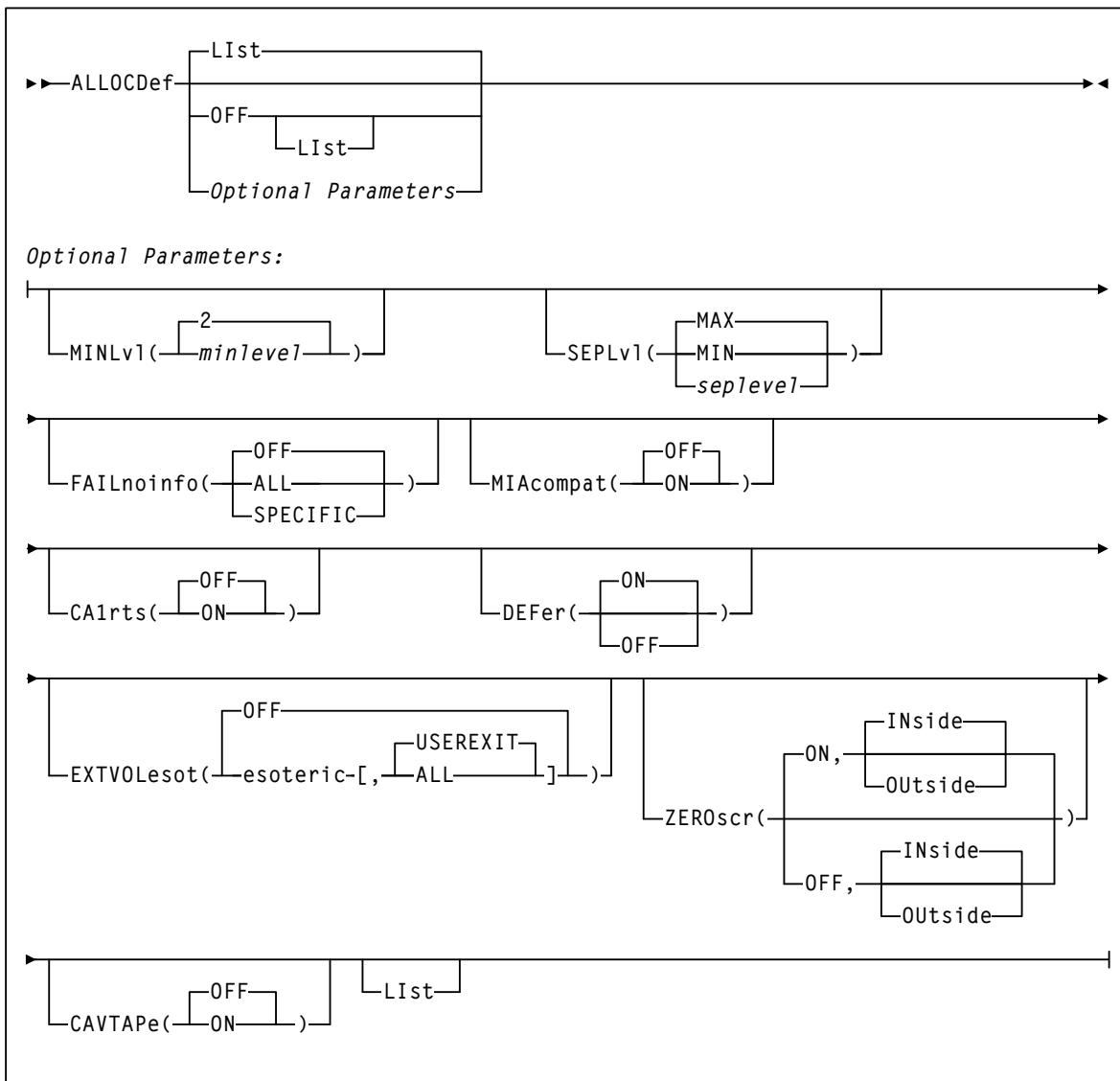**Interfaces:**

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

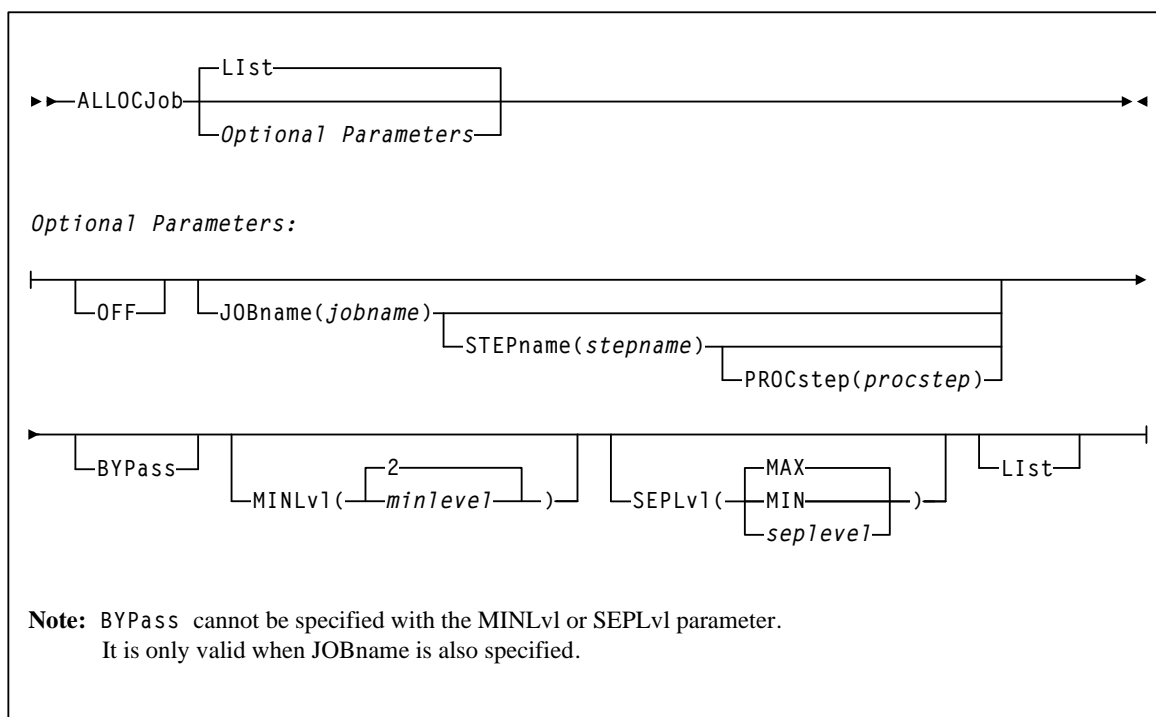Active SMC required, or may be input to the SMCUSIM utility

```
►►─READ─────SMCCMDs─────────────────────────────────────────────►
          └─DSN(dsn)────────────────────────────────┬─HOST(hostname)─┘
                     └─VOLume(volser)────────────┘
                                      └─UNIT(unitname)─┘

   ►─────────────────────────────────────────────────────►◄
     └─REPlacepolicy─┘
```

RESYNChronize

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

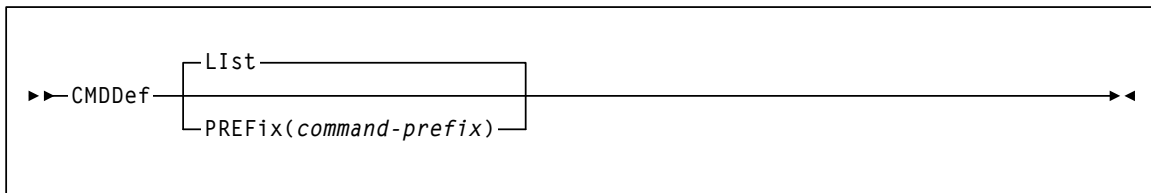Active SMC required, or may be input to the SMCUSIM utility

```
►►─RESYNChronize─────────────────────────────────────────────►◄
```

Route

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required

```
►►─Route──┬─tapeplex-name─┬──command-string──────────────────►◄
          └─stormngr-name─┘
```
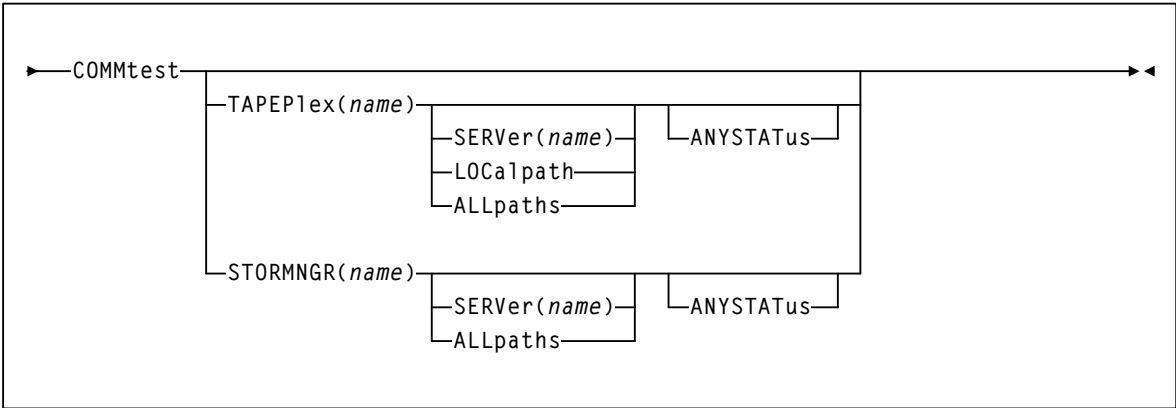
SERVer

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

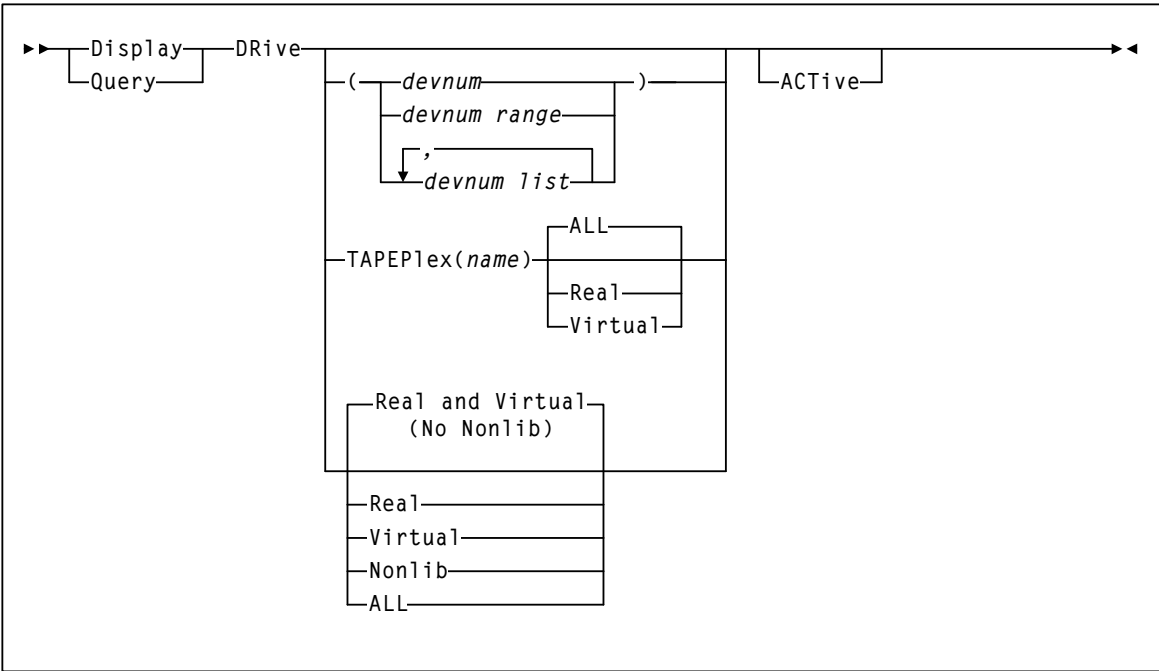**Note:** TAPEPlex(*name*) or STORMNGR(*name*) is required when the SERVer NAME is first defined.

SIMulate

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
►►─SIMulate──────────────────────────────────────────────────────►
          └JOBname(jobname)──STEPname(stepname)─┘

┌─────────────────────────────────────────────────────────────────►
  └PGMname─┬(pgmname)──DDName(ddname)─┘  └DSN─────┬(dsname)──VOLSer(volser)─┘
   └PROGram─┘                           └DATASET─┘

┌─────────────────────────────────────────────────────────────────►
                                          ┌Ø─┐
  └ESOTeric(esoteric-name)──┬RETPD(─┴retention-period─┴)─┬
                            └EXPDT(expiration-date)──────┘

┌──────────────────────────────────────────────────────────────►◄
  └LABEL(label-type)─┘
```

STORMNGR

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

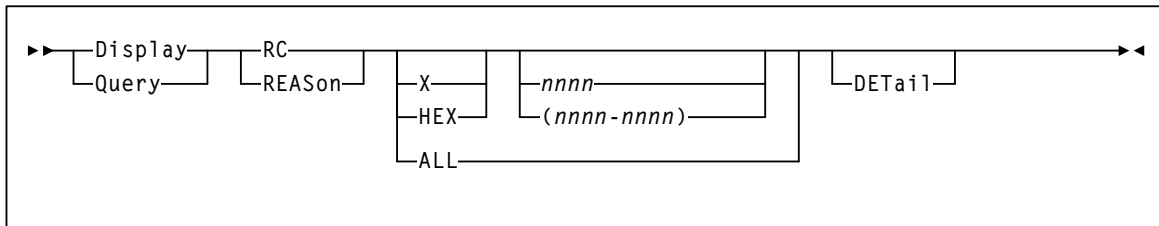Active SMC required, or may be input to the SMCUSIM utility

```
                     ┌─LIst─────────┐
  ▶▶──STORMNGR──────┼──────────────────────────────────────────────▶◀
                     ├─LIst─────────┤
                     │   └─NAme(name)─┘
                     │
                     ├─NAme(name)──┬─ENAble──┬─┤
                     │             └─DISable─┘
                     │
                     ├─SERVerlist──────────┤
                     │        └─NAme(name)─┘
                     └─STATus──────────────┘
                            └─NAme(name)─┘
```
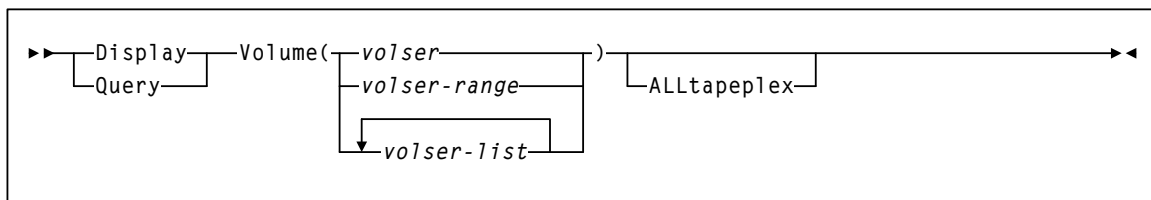
TAPEPlex

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

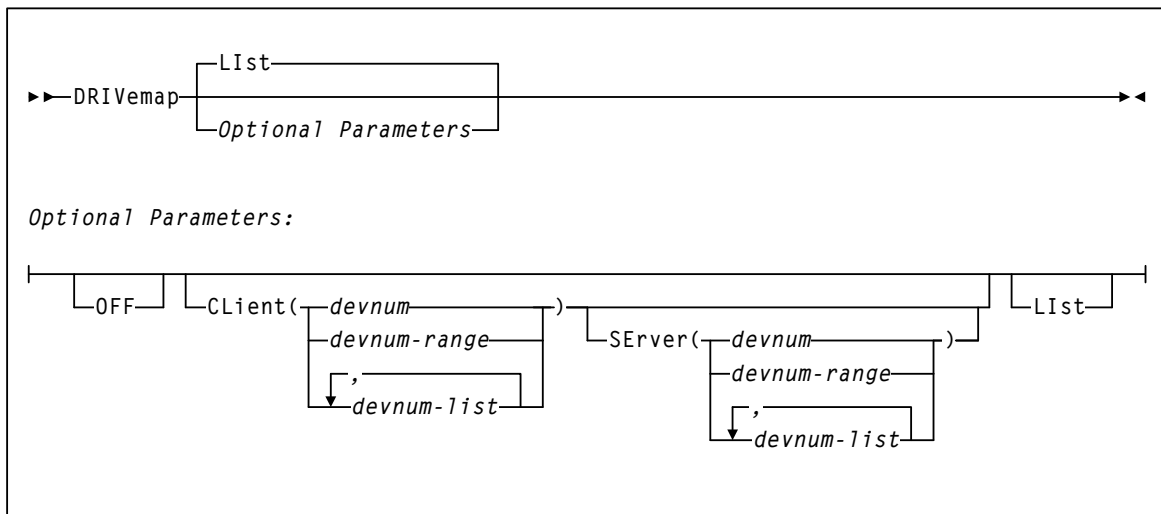Active SMC required, or may be input to the SMCUSIM utility

```
                        ┌─LIst──────────────────────────────────────────┐
  ►►──TAPEPlex──────────┴────────────────────────────────────────────────┴──►◄
              ├─LIst──────────────────────┐
              │     └─NAme(name)─┘
              │              ┌─ENable──┐
              ├─NAme(name)────┼─────────┼──┬──────────────────┬──TapePlex Parms─┤
              │              └─DIsable─┘  └─Local Subsys Parms─┘
              ├─SERVerlist──┬──────────────┐
              │            └─NAme(name)─┘
              └─STATus──┬──────────────┐
                        └─NAme(name)─┘
```

Local Subsys Parameters:

```
                                          ┌─LOCENAble───┐
  ├──┬────────────────────────────┬───────┼─────────────┼──────────────────┤
     └─LOCSUBsys(subsysname)─┘            └─LOCDISable─┘
```

TapePlex Parameters:

```
              ┌─Server─┐             ┌─OFF──────┐
  ├──WTORdest(─┼────────┼─)──ALIAShost(─┼──────────┼──)──────────────────────┤
              └─Client─┘             └─hostname─┘
```

TCPip

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

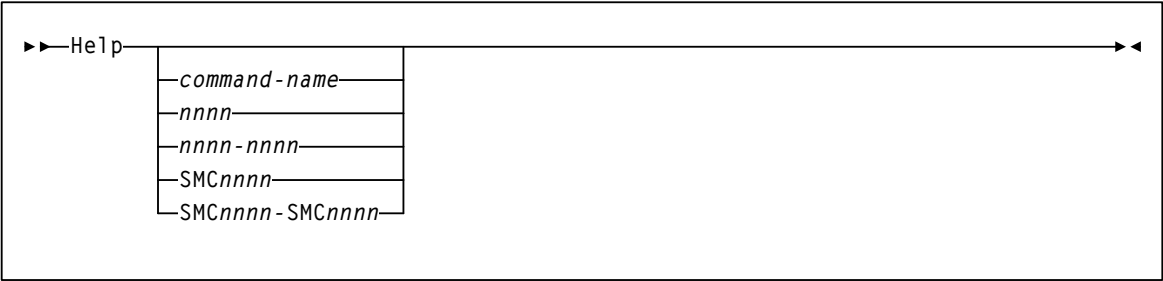Active SMC required, or may be input to the SMCUSIM utility

```
           ┌─List──────────────────┐
►►──TCPip──┼─OFF───────────────────┤──────────────┬──────────────────┬──►◄
           └─TCPIP Parameters──────┘              │        ┌─OFF─┐    │
                             └─LISt─┘             └─RERESolve(┴─ON──┴─)┘

TCPIP Parameters:

        ┌─none─┐          ┌─none─┐
├──TCPname(┴─name─┴)──ADSname(┴─name─┴)──────────────────────────────────┤
```

TRace

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

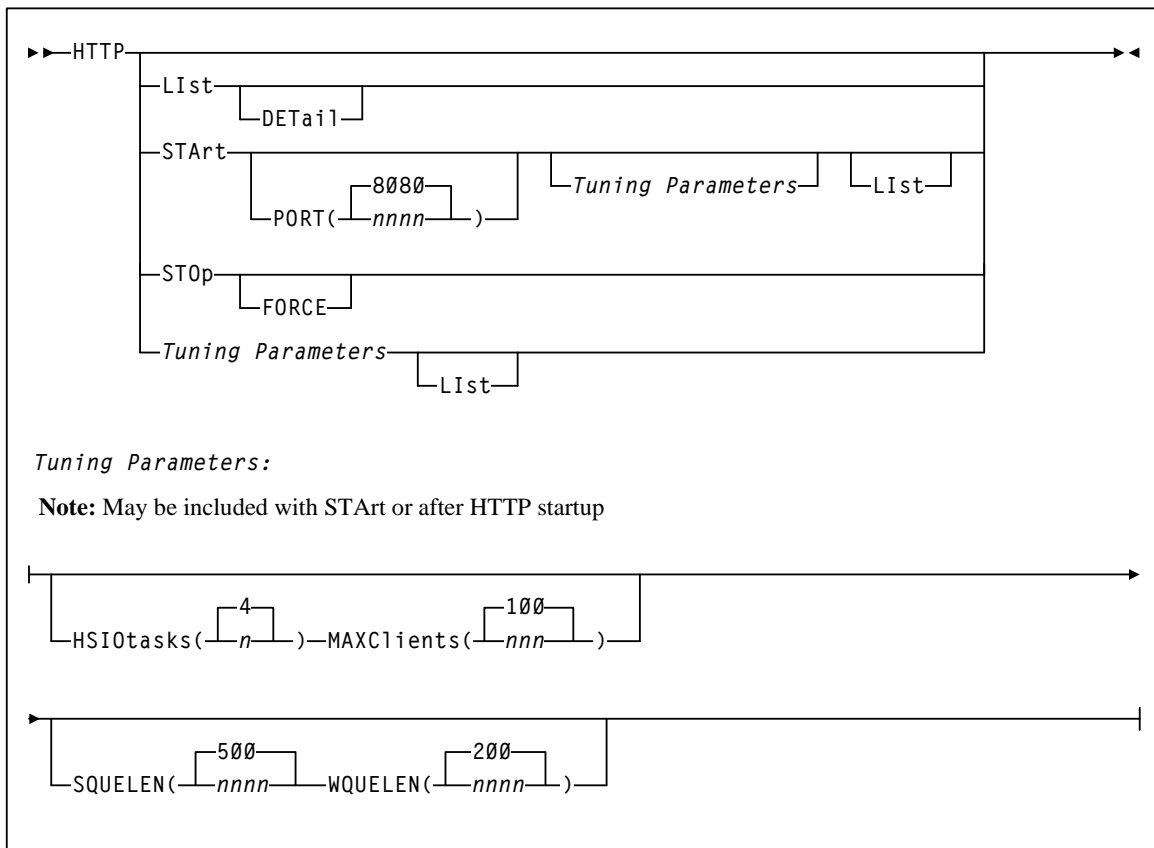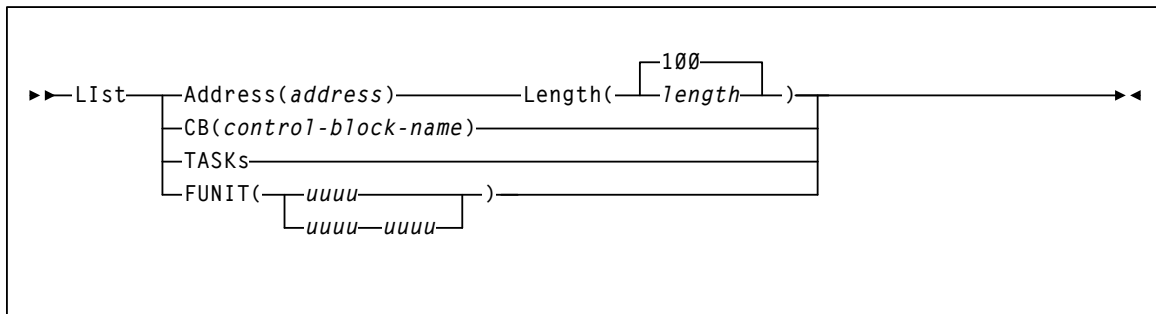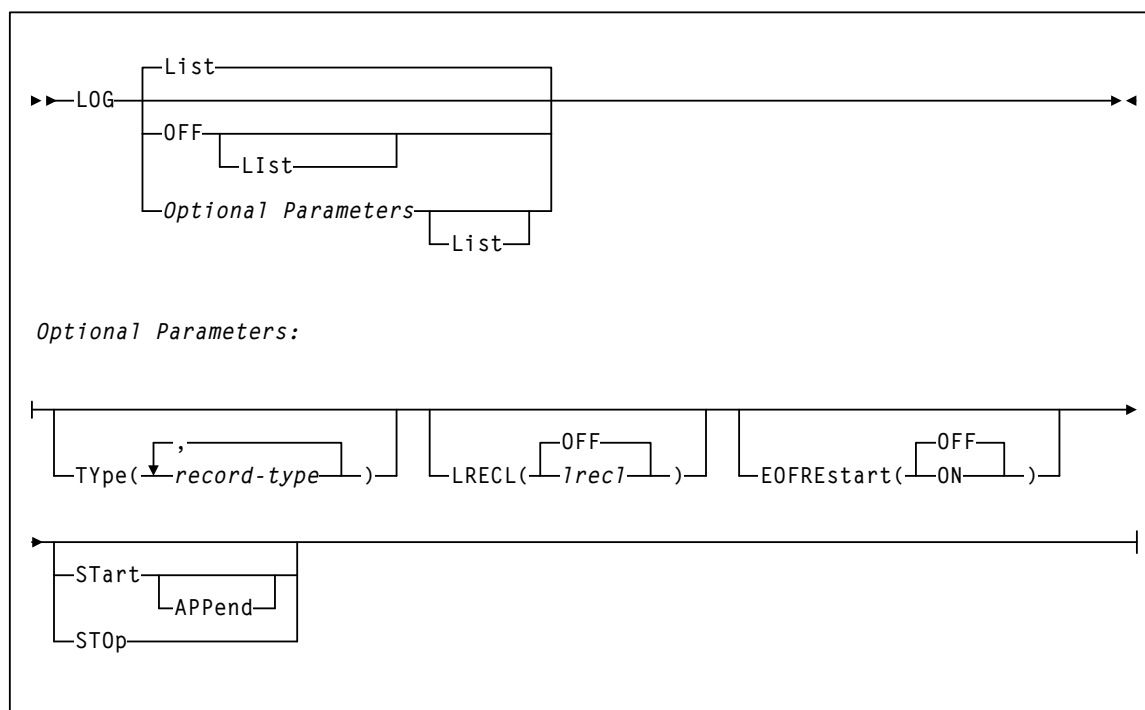Active SMC required, or may be input to the SMCUSIM utility

```
                  ┌─LIst────────────────────────────┐
►►──TRace─────────┼─────────────────────────────────┼──►◄
                  │─OFF──┐                           │
                  │      └─LIst─┘                    │
                  │─Jobname/Component Parameters─┐   │
                  │                         ┌─LIst┘  │
                  │           ┌─ON─┐              │
                  └─COMPact───┼────┼──────────────┘
                              └─OFF─┘

Jobname/Component Parameters:

            ┌─SUbsys────────ALLProc─────────────────────────────────
            │            │      ┌─,────┐
            │            │    ▼ └─AScomm─┘
            │            │      ─CGi──
            │            │      ─CMd──
            │            │      ─HTtp─
            │            │      ─INitterm─
            │
            └─JOBname──────────────────────────────────
                       │
                       └─(jobname)──┤ Optional ├──────ALLProc──────
                                    │   Parms  │    ┌─,─────┐
                                    │          │  ▼ └─ALLOc─┘
                                    │          │    ─MSghandler─
                                    │          │    ─POlicy─
                                    │          │    ─REmote─
                                    │          │    ─UTility─

Optional Parameters:

├─────────────────────────────────────────────────────────────────┤
    └─STEPname(stepname)──┐
                          └─PROCstep(procstep)─┘  └─SNAPdump(──BEFOre──)─┘
                                                              ─AFTEr─
                                                              ─BOTH──
```

TREQDef

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)
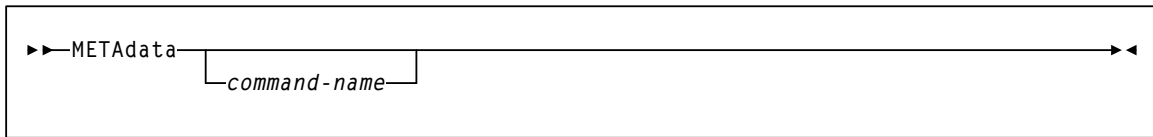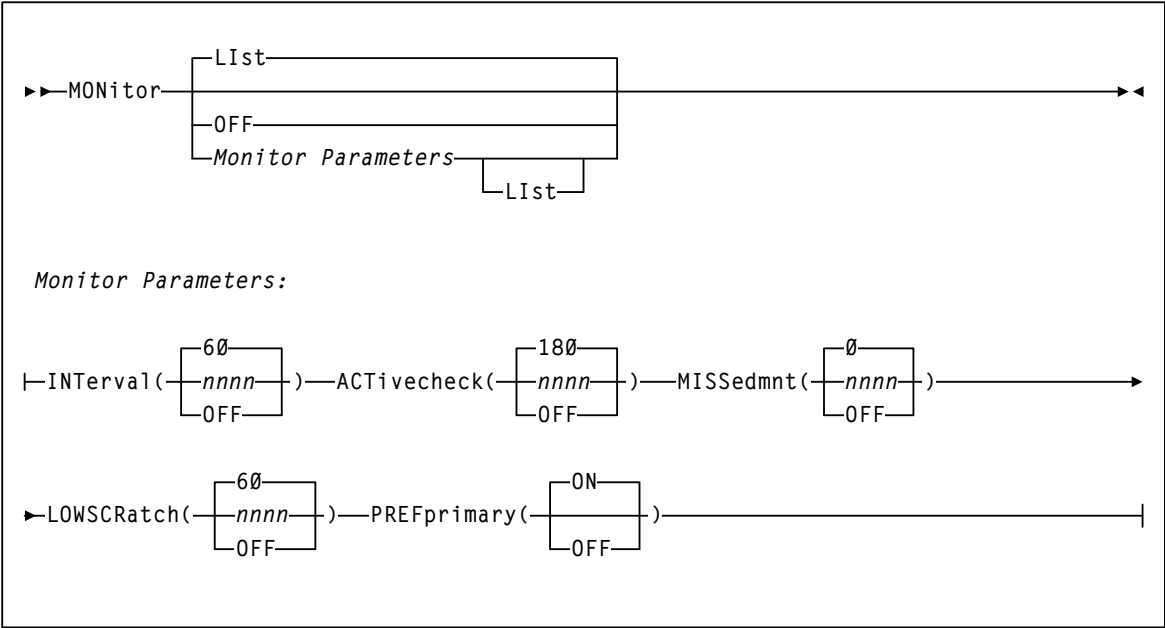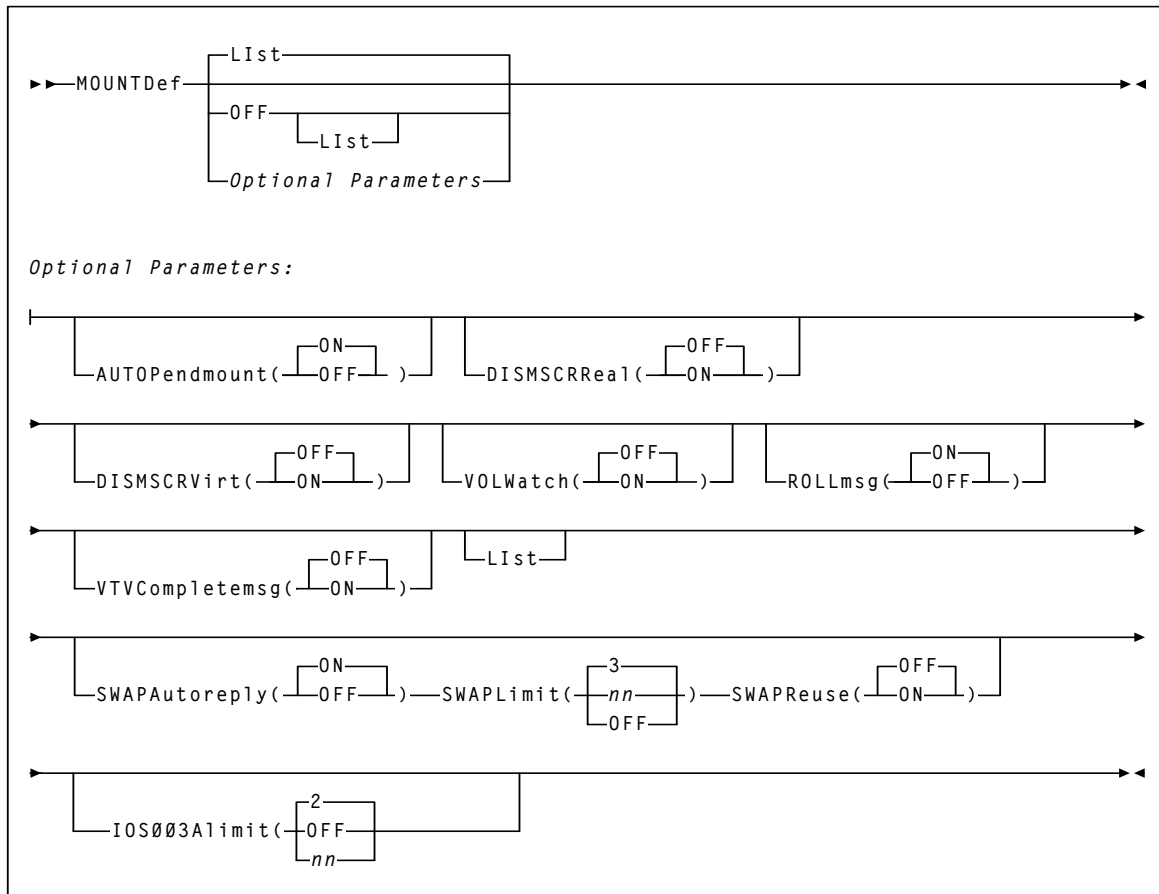
Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                    ┌─LIst──────────────────────────────────────────┐
►►─TREQDef──┼────────────────────────────────────────────────┼──►◄
            │    ┌─DATASET(dsn)─┐                  ┌─HOSTID(hostid)─┐│
            ├────┤              ├──┬─VOLume(volser)─┬──┘               │
            │    └─DSN(dsn)─────┘  └─UNIT(unitname)─┘                  │
            │                                                          │
            └─RELOAD───────────────────────────────────────────────────┘
```

TAPEREQ Control Statement
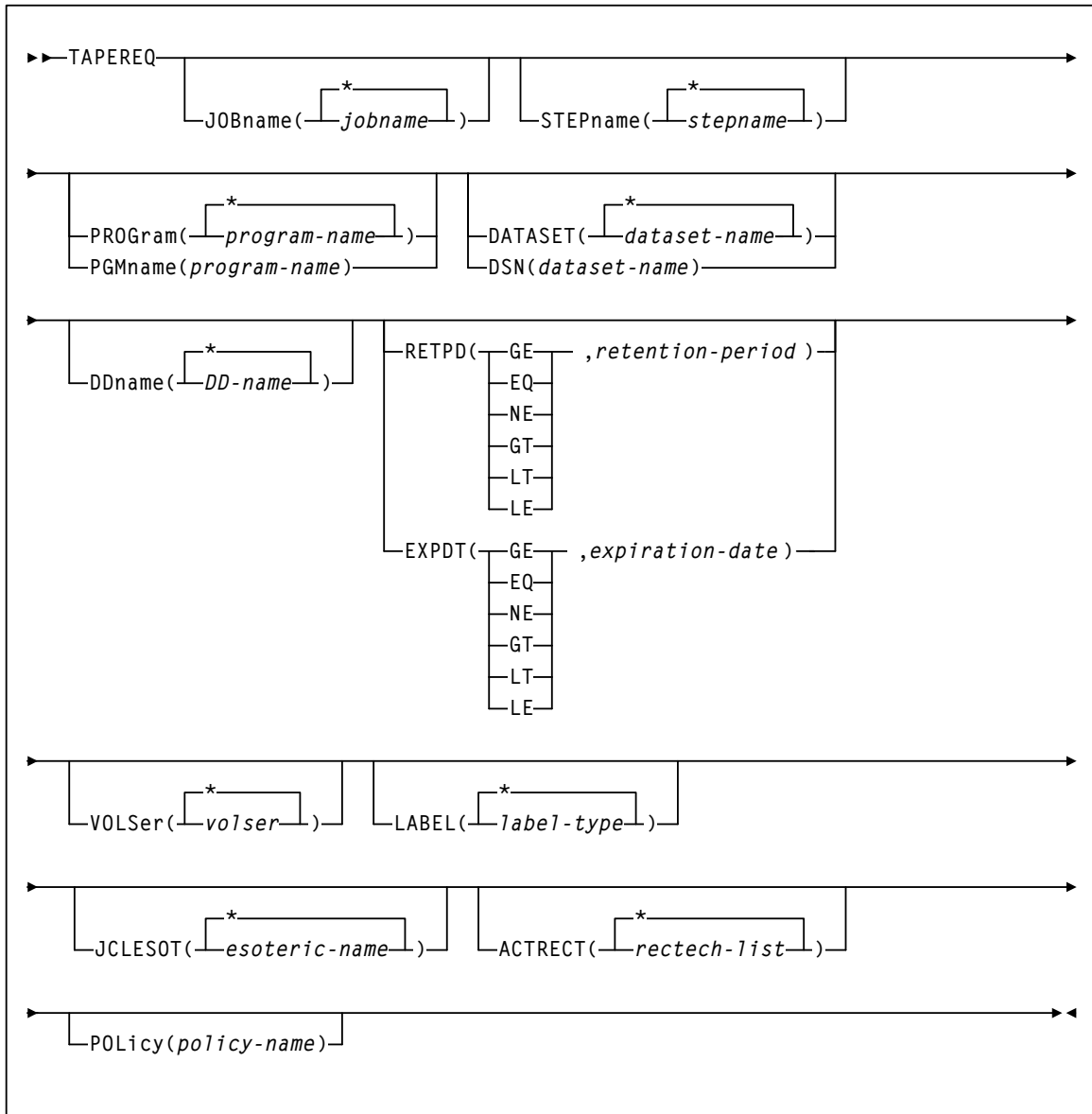
```
►►─TAPEREQ────────────────────────────────────────────────────────────►
          │              ┌──*────┐      │   │          ┌──*─────┐      │
          └─JOBname(─┴─jobname─┴─)─┘   └─STEPname(─┴─stepname─┴─)─┘

►─────────────────────────────────────────────────────────────────────►
   │                  ┌──*──────────┐      │   │                      │
   ├─PROGram(─┴─program-name─┴─)─┤   ├─DATASET(─┴─*─────────────┐─)─┤
   │                               │   │          └─dataset-name─┘    │
   └─PGMname(program-name)─────┘   └─DSN(dataset-name)───────────┘

►─────────────────────────────────────────────────────────────────────►
   │            ┌──*────┐   │   ┌─RETPD(─┬─GE─┬─,retention-period)─┐
   └─DDname(─┴─DD-name─┴─)─┘   │         ├─EQ─┤                    │
                              │         ├─NE─┤                    │
                              │         ├─GT─┤                    │
                              │         ├─LT─┤                    │
                              │         └─LE─┘                    │
                              │                                   │
                              └─EXPDT(─┬─GE─┬─,expiration-date)──┘
                                       ├─EQ─┤
                                       ├─NE─┤
                                       ├─GT─┤
                                       ├─LT─┤
                                       └─LE─┘

►─────────────────────────────────────────────────────────────────────►
   │            ┌──*───┐   │   │          ┌──*───────┐   │
   └─VOLSer(─┴─volser─┴─)─┘   └─LABEL(─┴─label-type─┴─)─┘

►─────────────────────────────────────────────────────────────────────►
   │             ┌──*───────────┐   │   │           ┌──*──────────┐   │
   └─JCLESOT(─┴─esoteric-name─┴─)─┘   └─ACTRECT(─┴─rectech-list─┴─)─┘

►─────────────────────────────────────────────────────────────────────►◄
   │                        │
   └─POLicy(policy-name)─┘
```

UEXit

Interfaces:

Console, utility, or SMCCMDS/SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

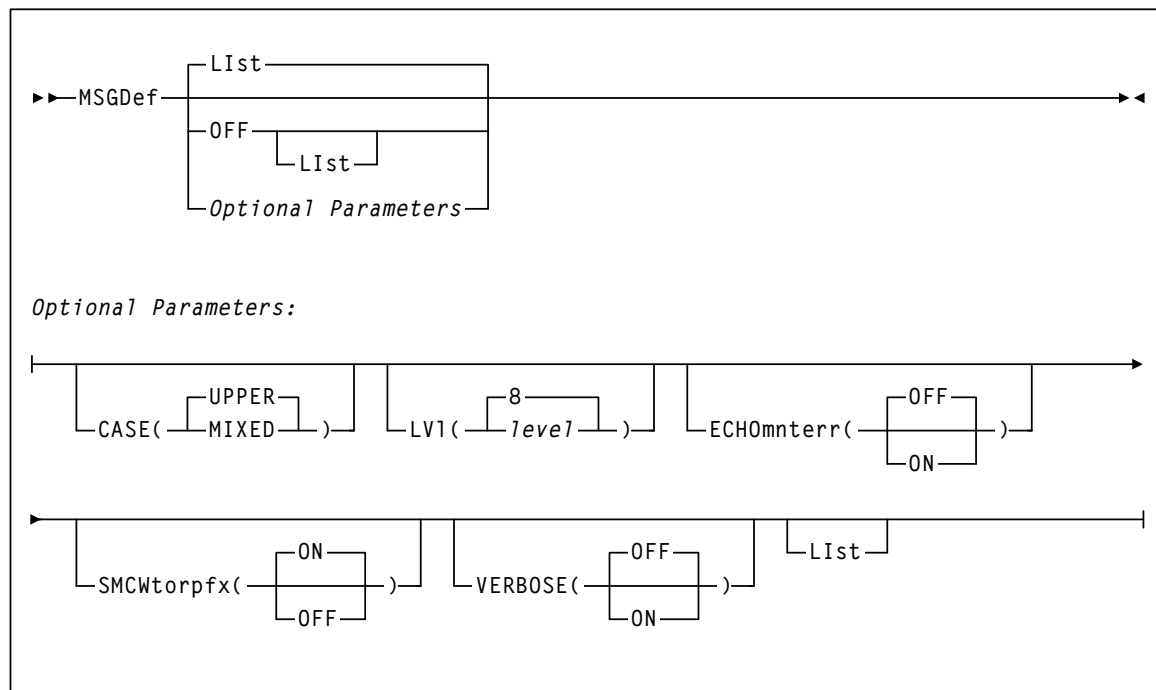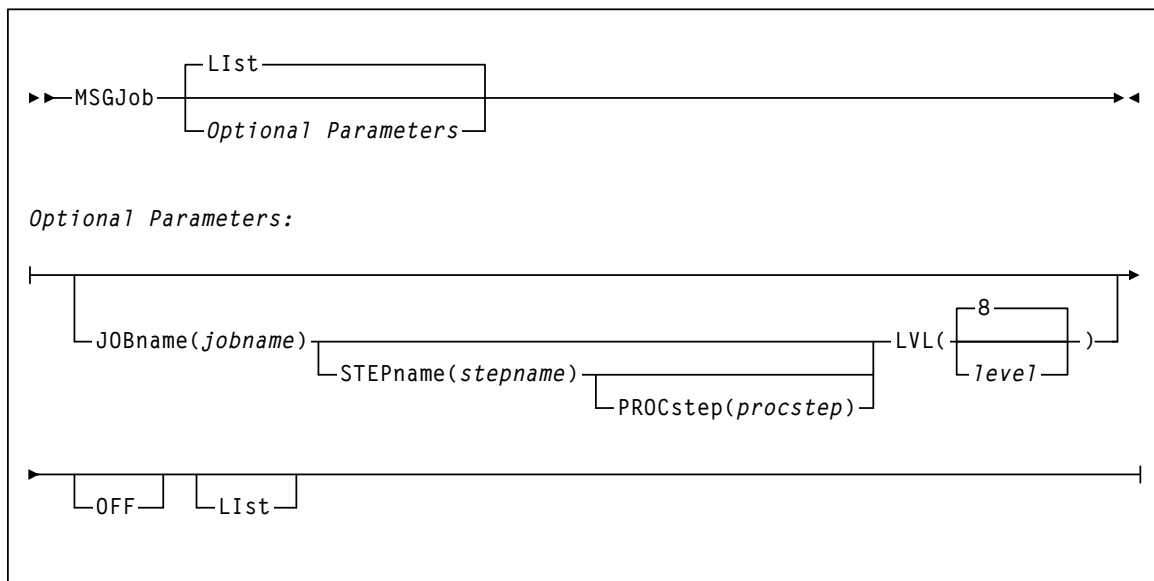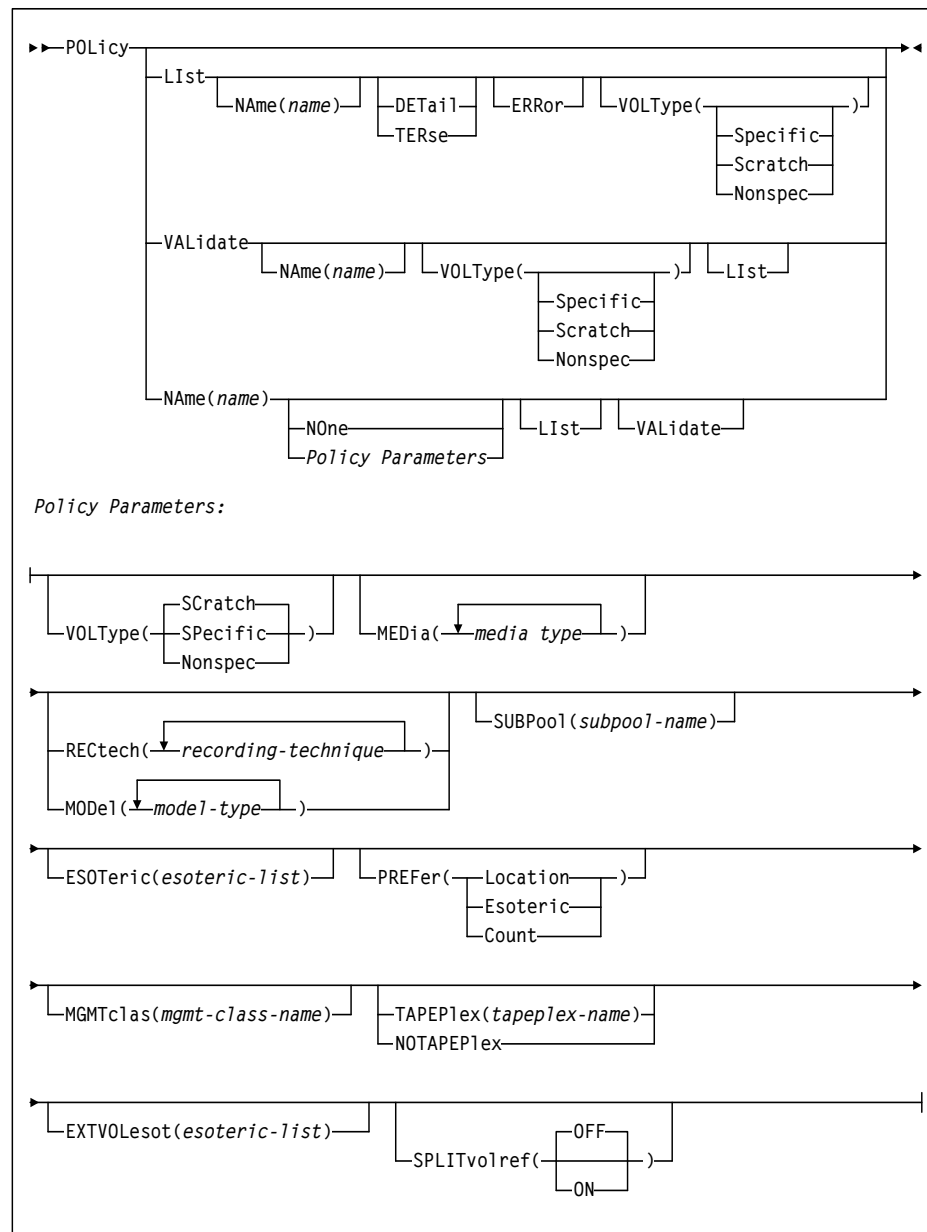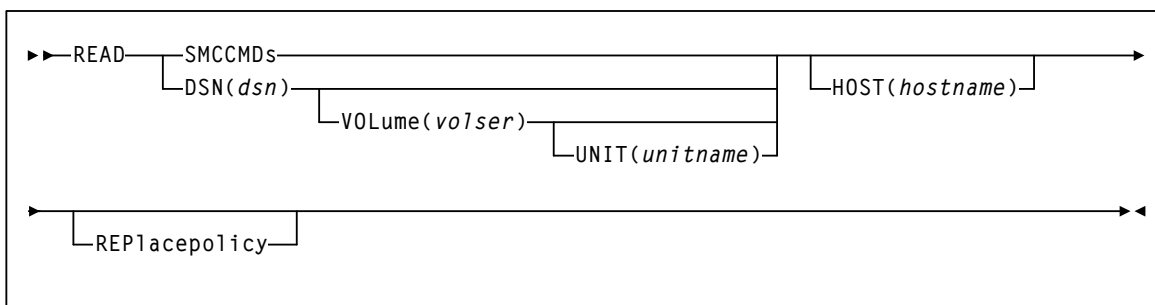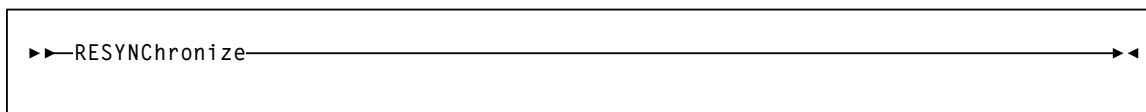Active SMC required, or may be input to the SMCUSIM utility

```
              ┌─LISt─────────────────────────────────────────────┐
►►─UEXit──────┤                                                  ├──────────►◄
              │                                            ┌─LISt─┘
              └─number─┬──────────────────────────────────────────┘
                       │                       ┌─ENAble─┐
                       ├─NAME(name)──FORMat(HSC)──LOAD─┤        ├─┘
                       │                       └─DISable─┘
                       ├─ENAble───────────────────────────
                       └─DISable──────────────────────────
```
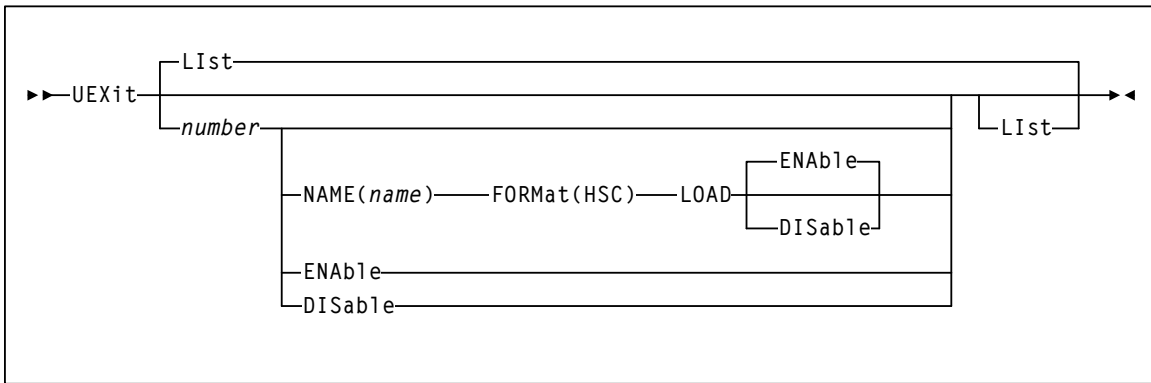
UNITAttr

Interfaces:

Console or SMCCMDS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

Active SMC required, or may be input to the SMCUSIM utility

```
                      ┌─LISt─────────────────────────────────────────────┐
►►──UNITAttr──┬───────┴───────────────────────────────────────────────┬──►◄
             │                                                         │
             ├─ADDRess(──┬─devnum───────┬──)──┬─Device Attributes─┬─┬─LISt─┐
             │           ├─devnum-range─┤      └─OFF──────────────┘ └──────┘
             │           │   ┌─,──────┐ │
             │           └───┴devnum-list─┘
             │
             └─ESOTeric(esoteric-name)──┬─Device Attributes─┬──┬─LISt─┐
                                        └─OFF───────────────┘  └──────┘

Device Attributes:

├──MODEL(model-type)──┬───────────────────────────────────┬──┤
                      ├─TAPEPlex(──┬─tapeplex-name─┬──)────┤
                      │            └─NONE──────────┘       │
                      └─NOTAPEPlex──────────────────────────┘
```

Note: TAPEPlex is required when MOdel(VIRTUAL) is specified.
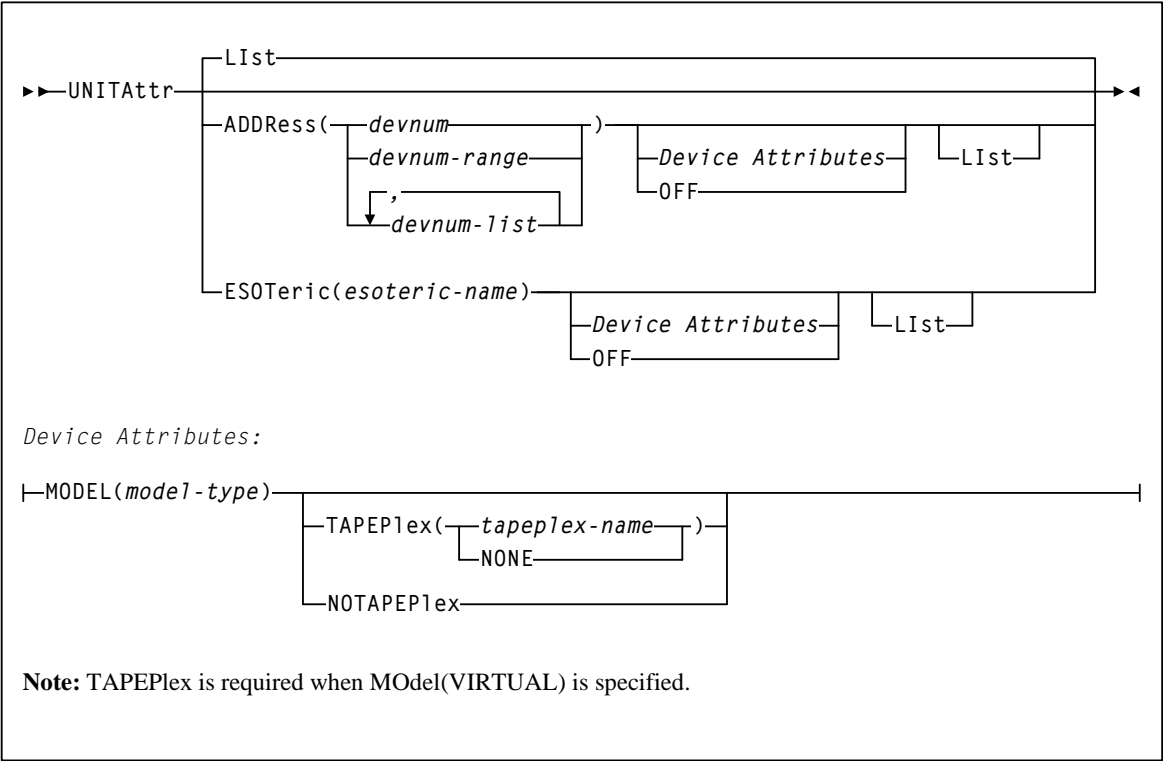
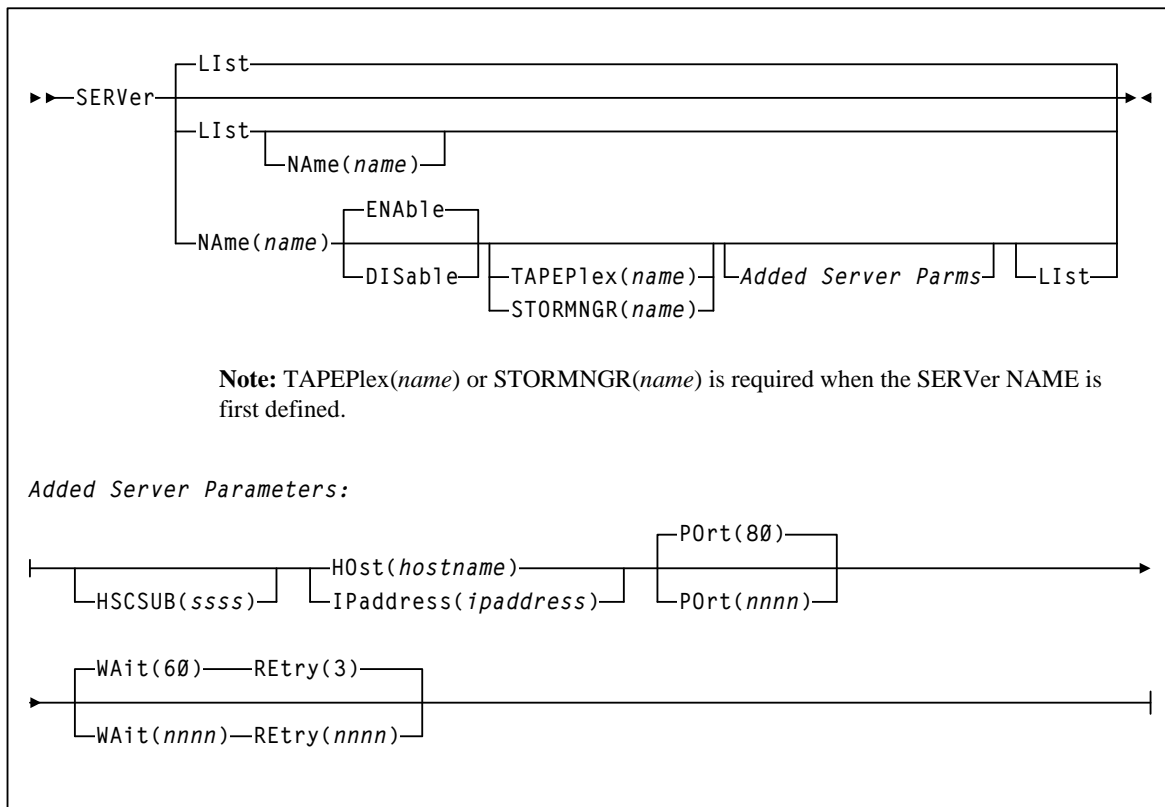# USERMsg

Interfaces:

Console or SMCPARMS data set
UUI: Yes (No XML/CSV output)

Subsystem Requirements:

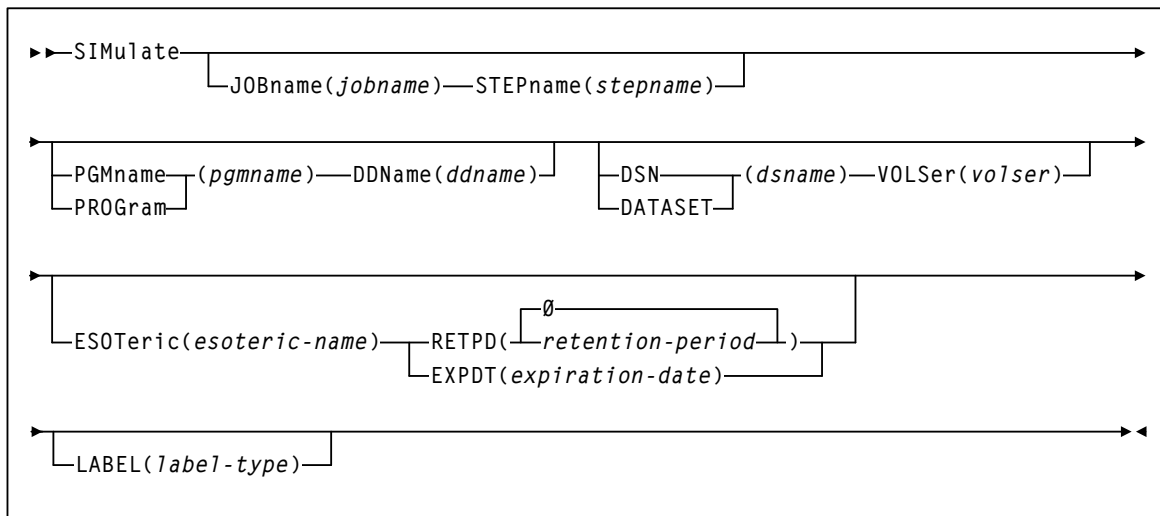Active SMC required, or may be input to the SMCUSIM utility

```
              ┌─LIst────────┐
►►──USERMsg───┤             ├──────────────────────────────────►◄
              └─ID(msgid)───┘
```
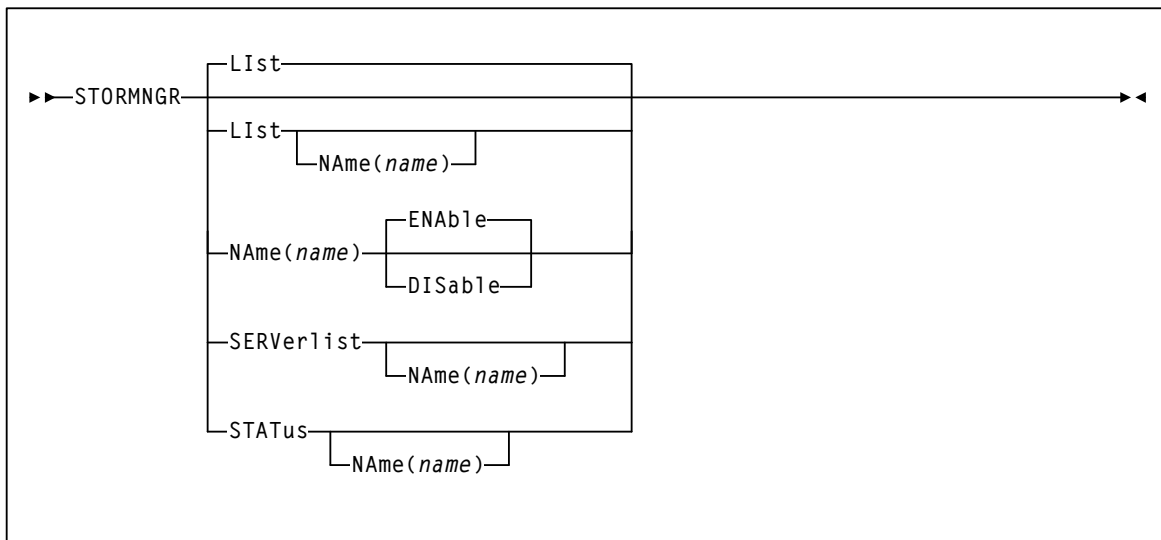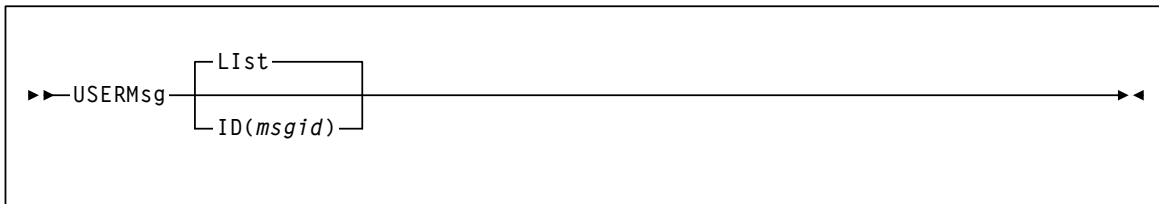
HSC and VTCS Commands and Control Statements

This chapter contains syntax for HSC commands and control statements. Interface and subsystem requirement information is included with each command.

Control statements that are loaded by an operator command are described along with that command.

Note –

■ For detailed information about the commands and control statements included in this publication, and the interfaces used to issue them, refer to the *ELS Command, Control Statement, and Utility Reference*.

■ Certain HSC and VTCS commands are described in the *ELS Legacy Interfaces Guide*. These commands were introduced in a pre-ELS 7.0 software release and their functionality has been replaced.

ACTIvities

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►──ACTIvities───────────────────────────────────────────────────►◄
                 ┌─────TODAY─────┐  ┌──00:00:00──┐
              └─BEGIN(─┴─begin-date─┴─,─┴─begin-time─┴─)─┘

►────────────────────────────────────────────────────────────────►◄
              ┌─────TODAY─────┐  ┌──00:00:00──┐
           └─END(─┴─end-date──┴──,─┴─end-time──┴─)─┘
```
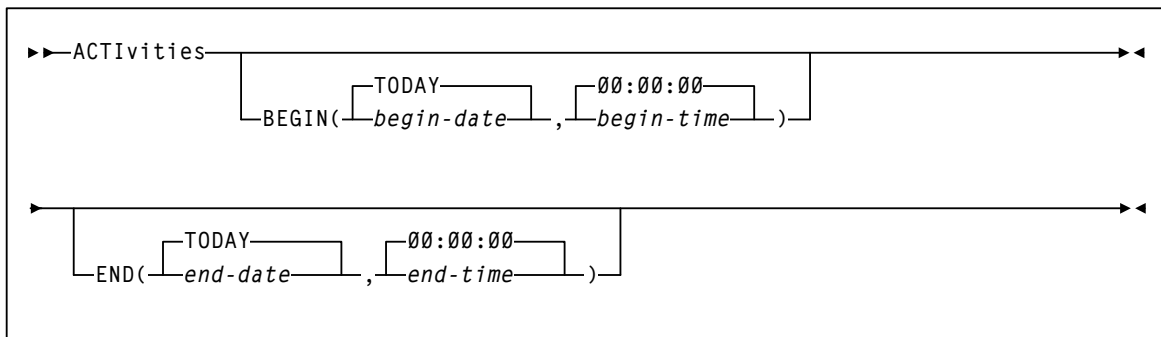
ACTMVCgn

Interfaces:

SLUADMIN utility only
UUI: Yes

Subsystem Requirements:

Active HSC required only when specifying the MVCPOOL parameter

```
►►──ACTMVCgn──────────────────────────────────────────────────────►
           ┌──────,──────┐            ┌──────,───────┐
        └─ACS(─┴─acs-id─┴─)─┘      └─MVCPOOL(─┴─mvcpool-name─┴─)─┘
           ┌──────,───────┐
        └─STORMNGR(─┴─stormngr─┴─)─┘

►─────────────────────────────────────────────────────────────────►◄
     └─ALL─┘
```
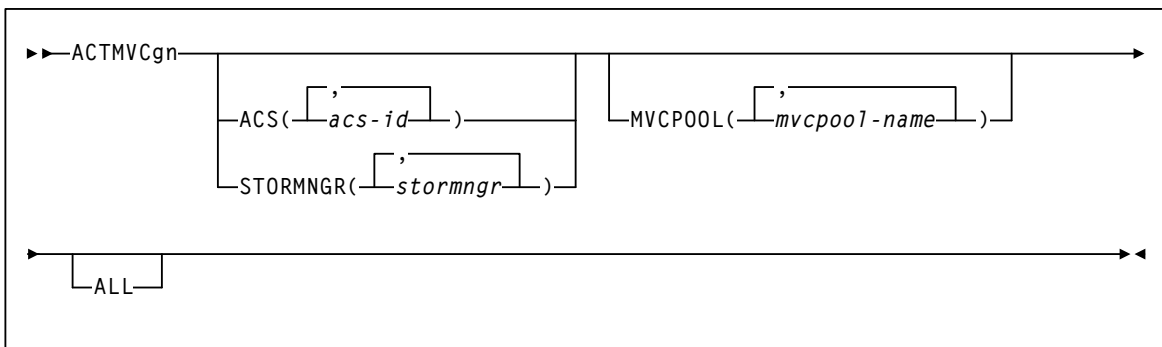
ARCHive

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►──ARCHive──────────────────────────────────────────────────────────►
            ├─MGMTclas(mgmt-class-name1...mgmt-class-namen)─┤
            └─VTV(vtv-list | vtv-range)──────────────────────┘

►─────────────────────────────────────────────────────────────────────◄
   └─MAXMVC(nn)─┘  └─CONMVC(nn)─┘  └─ELAPSE(nnnn)─┘  ├─POLICYdd(ddname)─┤
                                                      └─MOVEVTV──────────┘
```
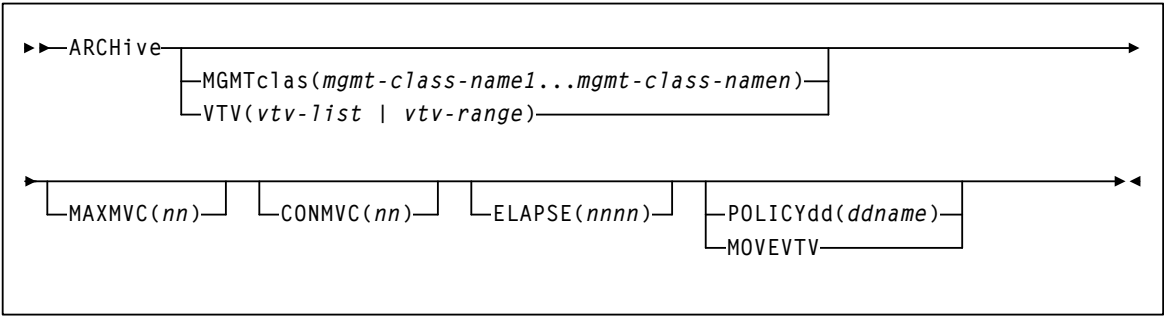
AUDit

Interfaces:

Utility only
UUI: Yes, when MVC or VTSS is specified

Subsystem Requirements:

- Active HSC/VTCS (AUDit MVC, VTSS, or INVLDMIR)
- Active HSC at FULL service level (all others)

```
►►─AUDit──┬─ALL─────────────────────────────────────────┬──────────────►◄
          ├─ACS(acs-id)──┤ Optional Parameters ├──┬──────────────┬──┤
          │                                        └─APPLy(─┬─YES─┬─)─┘
          │                                                 └─NO──┘
          ├─VTSS(─┬─vtss-name─┬─)──────────────────────────┤
          │       │  ┌─,──────┐ │
          │       └▼─vtss-list─┘
          ├─INVLDMIR────────────────────────────────────────┤
          └─MVC(─┬─volser────┬─)──────────────────────────┤
                 ├─vol-range─┤
                 │  ┌─,──────┐│
                 └▼─vol-list─┘
```

Optional Parameters:

```
├──┬───────────────┬────────────────────────────────────────────────►
   └─LSM(lsm-list)─┴─┬──────────────────┬──────────────────────────
                     └─PANel(panel-list)─┴─┬─────────────┬─────────
                                           └─ROW(row-list)─┴─┬──────────────────┬
                                                             └─COLumn(column-list)─┘

►──┬──────────────┬─┬───────────┬─┬─DIAGScan(─┬─ONLY─┬─)─┬─┬─────────┬─┤
   └─CAP(cap-id)──┘ └─EMPTYCel──┘ │           └─ALSO─┘   │ └─INTRANs─┘
                                  └──────────────────────┘
```
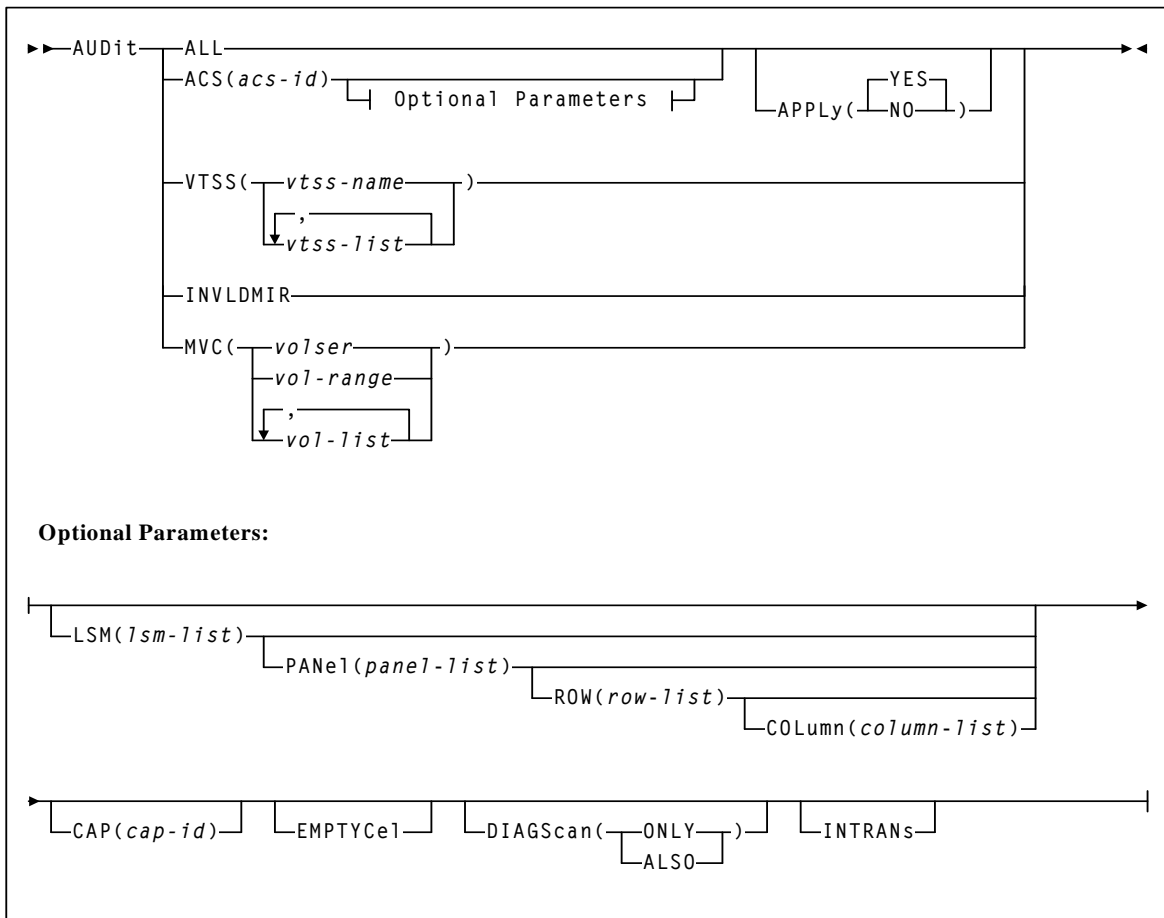
BACKup

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─BACKup──────────────────────────────────────────────────◄◄
```

CANcel

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─CANcel──┬─ID(process-id)────────────────────┬─►◄
           └─Type(──┬─ALL─────┬──)─┘
                    ├─MIGrate─┤
                    ├─RECAll──┤
                    └─RECLaim─┘
```

CAPPref

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►──CAPPref──prefvlue──┬──lsm-id────┬──────┬──host-id──┬──┬──AUTO────┬──────►◄
                       ├──cap-id────┤                  │  └──MANual──┘
                       ├──cap-range─┤
                       │    ┌──,──┐ │
                       └──(─▼cap-list─)─┘
```

CDs

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──CDs──┬──Enable──DSn(dsn)──┬────────┬──┬──NEWVol(volser),NEWUnit(unitname)──┬──►◄
         │                    └──NEWLoc─┘  └────────────────────────────────────┘
         │
         ├──Disable──┬──DSn(dsn)──┬─────────────────────────────────────────────┐
         │           ├──Primary───┤
         │           ├──SEcndry───┤
         │           └──STandby───┘
         │
         └──EXpand────────────────────────────────────────────────────────────────┘
```
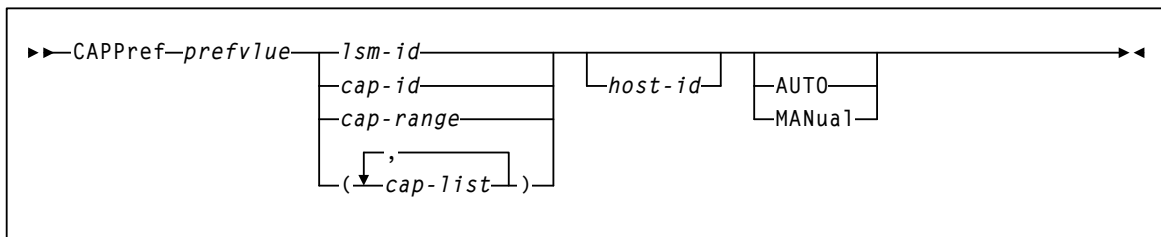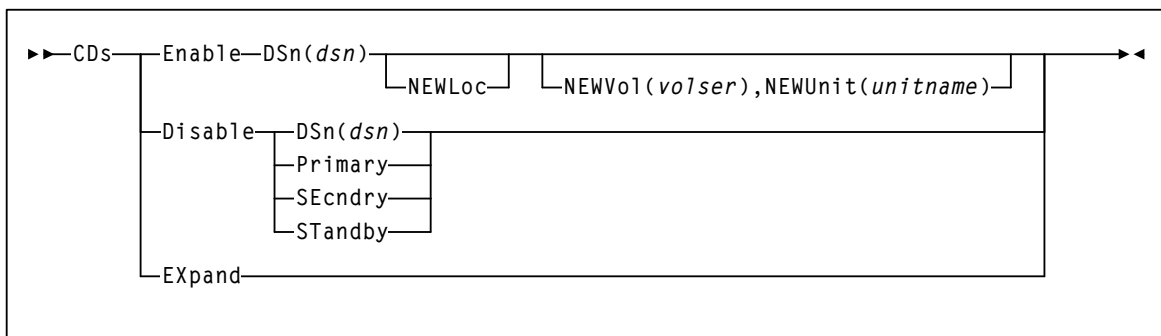
CDSDAta

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►──CDSDAta──TYPE(──────────────)─────────────────────────────────►◄
                  ├─VOLPOOL─┤
                  ├─MVCPOOL─┤
                  ├─SCRPOOL─┤
                  ├─CDS─────┤
                  ├─CAP─────┤
                  ├─LSM─────┤
                  └─DRV─────┘
```
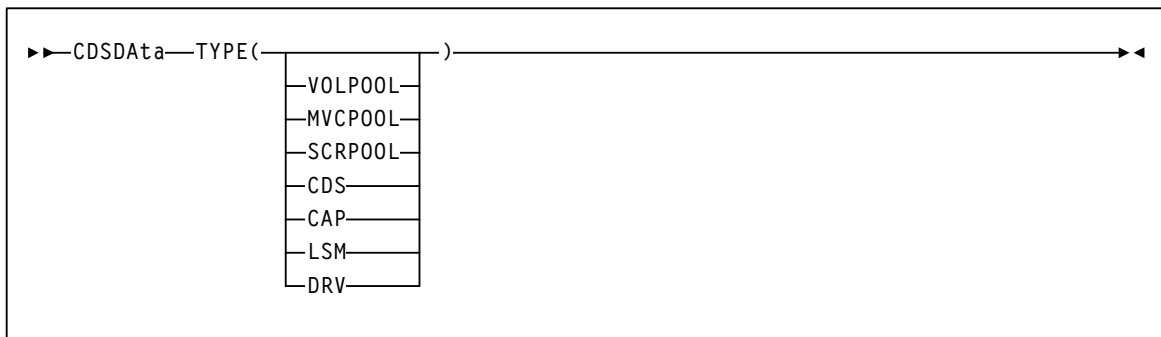
CDSDEF

Interfaces:

PARMLIB only
UUI: No

Subsystem Requirements:

None

```
►►──CDSDEF──DSN1(dataset-name)─────────────────────────────────────►
                            └─,VOL1(volser),UNIT1(unitname)─┘
►───,DSN2(dataset-name)─────────────────────────────────────────────►
                      └─,VOL2(volser),UNIT2(unitname)─┘
►───,DSN3(dataset-name)──────────────────────────────────────────►◄
                      └─,VOL3(volser),UNIT3(unitname)─┘ └─,DISABLE─┘
```

CLean

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►─CLean────dev-id──────────────────┬──host-id──┬──────────────────────►◄
            ─dev-range──────────────┤
                    ┌──,──────┐
            ──(──▼──dev-list───┴──)──┘
```

COMMPath

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─COMMPath──HOSTid(host-id)────────────────────────────────────►

►──METHod(──CDS──────────)──────────────────────────────────────────────►◄
         ├─LMU───────┤      LMUpath(──acs-id──────────)─┐
         └─LMU,acs-id─┘              ├─acs_range────┤
                                     │  ┌─,─────┐   │
                                     └──▼─acs-list─┘

   ─LMUpath(──acs-id──────────)─────────────────────────
           ├─acs_range────┤
           │  ┌─,─────┐   │
           └──▼─acs-list─┘

   ─DELete────────────────────────────────────────────────
           ─LMUpath(──acs-id──────────)─┐
                   ├─acs_range────┤
                   │  ┌─,─────┐   │
                   └──▼─acs-list─┘
```

CONFIg

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required, and must be down on all hosts when running CONFIG
RESET.

```
►►──CONFIg───────────────────────────────────────────────────────────►◄
        └─RESET─┘  └─CDSLEVEL(──V6ABOVE────)─┘  └─NOUPDATE─┘
                              ├─V61ABOVE─┤
                              ├─V62ABOVE─┤
                              └─V71ABOVE─┘
```
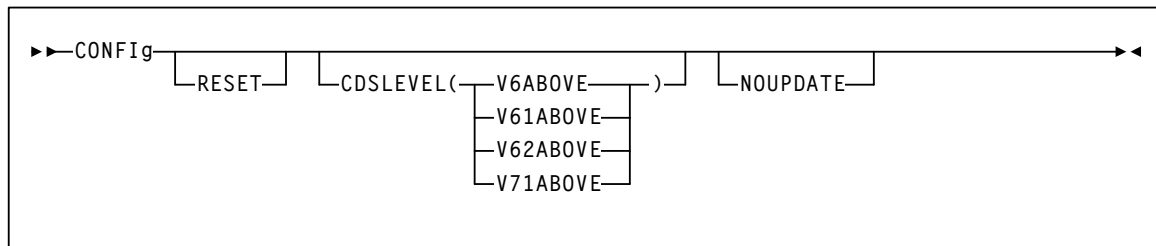
CONFIg GLOBAL Statement
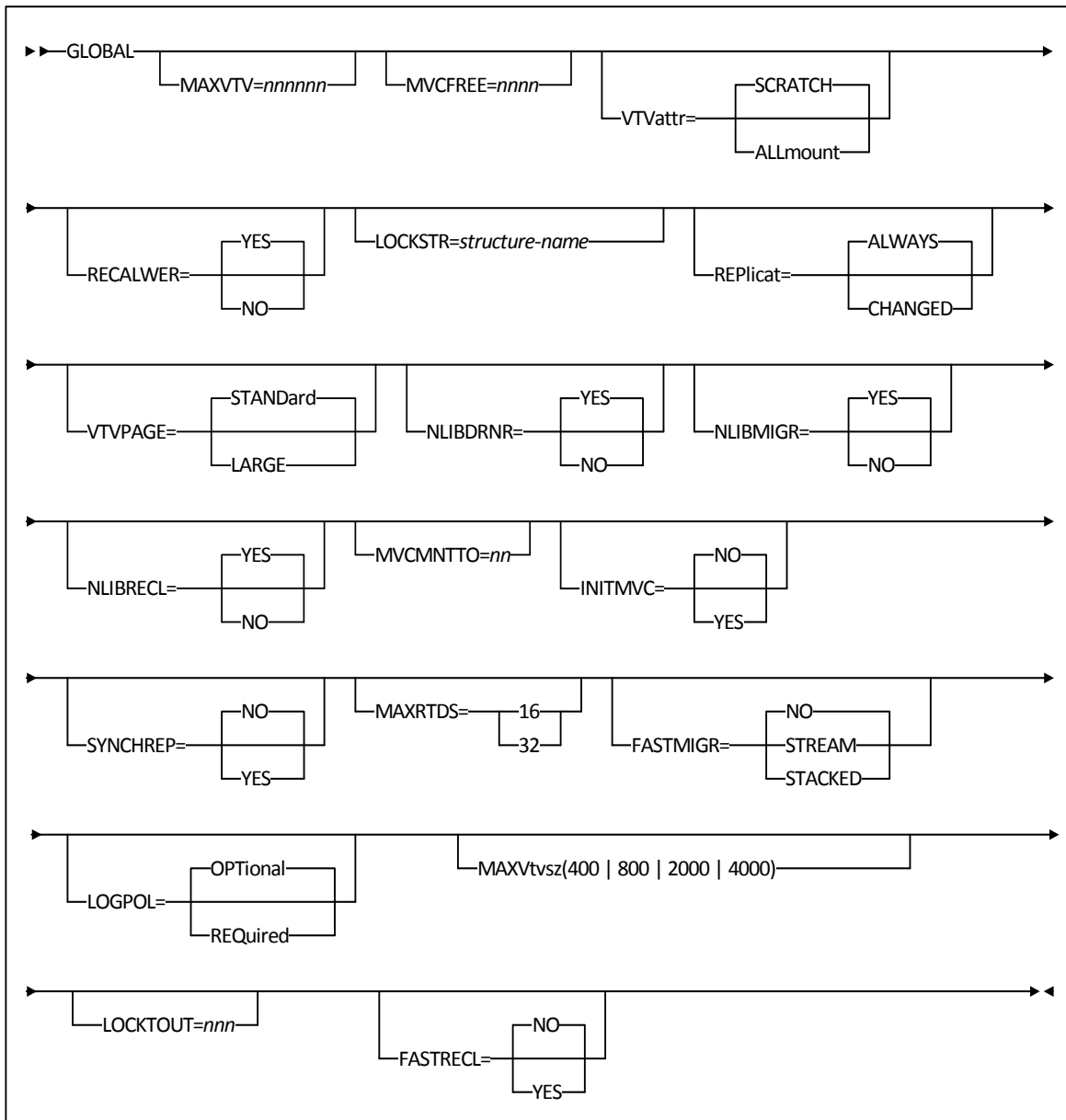
CONFIg RECLAIM Statement

```
►►─RECLAIM─────────────────────────────────────────────────────────────────────►
              └─THRESHLD=nn─┘   └─VLTHRES=nn─┘   └─MAXMVC=nn─┘   └─START=nn─┘

►─────────────────────────────────────────────────────────────────────────────►◄
    └─CONMVC=nn─┘   └─INPLACE=─┬─YES─┬──────────────────┘   └─PROTECT=nn─┘
                              └─NO──┘ └─INPTHRSH=nn─┘
```

CONFIg VTSS Statement

```
►►─VTSS──NAME=xxxxxxxx──────────────────────────────────────────────────────────►
                        └─DEFLTACS=acs-id─┘   └─LOW=nn─┘   └─HIGH=nn─┘

►──────────────────────────────────────────────────────────────────────────────►◄
    └─MAXMIG=n─┘   └─MINMIG=n─┘   └─RETAIN=nn─┘   └─NOERLYMT─┘
```

CONFIg RTD Statement

```
►►─RTD──NAME=xxxxxxxx───────────────────────┬─IPIF=nn:n──────────────────────┬──►◄
                        └─STORMNGR=stormngr─┘ └─DEVNO=n,CHANIF=ci|ci:p─┘
```

CONFIg VTD Statement

```
►►─VTD──LOW=xxxx──HIGH=xxxx──────────────────────────────────────────────────────►◄
                            └─CUADDR=xx─┘   └─NOVERIFY─┘
```
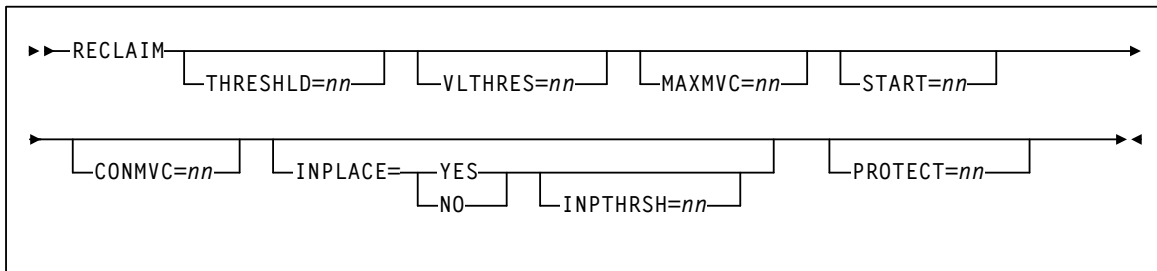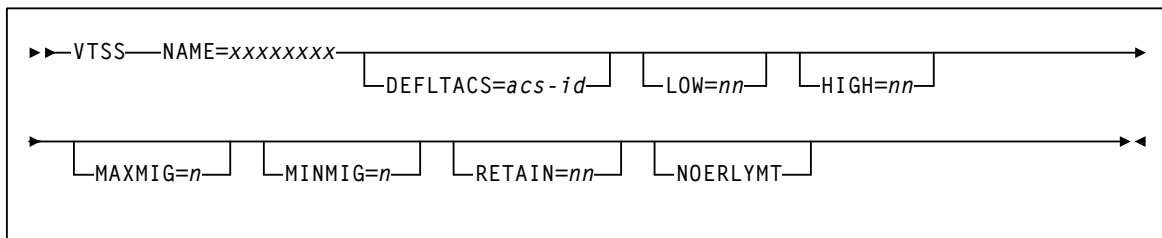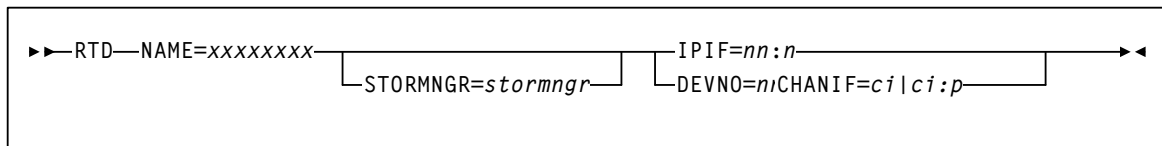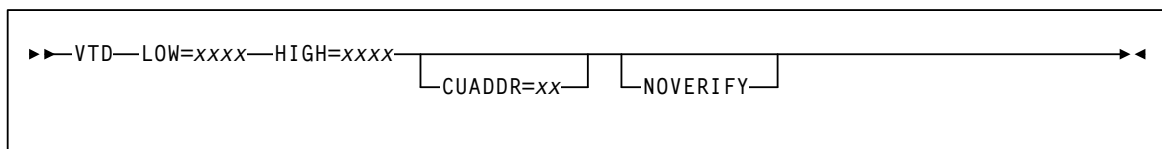
CONFIg CLUSTER Statement

```
►►─CLUSTER──NAME=nnnnnnnn──VTSSs(vtss-list)──────────────────────────────────────►◄
```
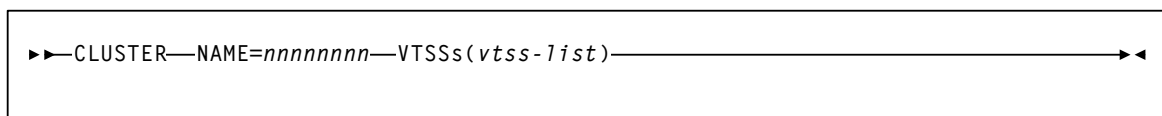
CONFIg CLINK Statement

```
►►──CLINK──────────────────────┬─CHANIF=ci|ci:p─┬──────────────────────────►
              └─VTSS=name─┘     └─IPIF=nn:n──────┘     └─REMPlex=name─┘

►──────────────────────────────────────────────────────────────────────►◄
       └─PARTner=name─┘
```

CONFIg HOST Statement

```
►►──HOST──NAME=xxxx──────────────────────────────────────────────────►◄
              └─NOMIGRAT─┘     └─NORECLAM─┘
```
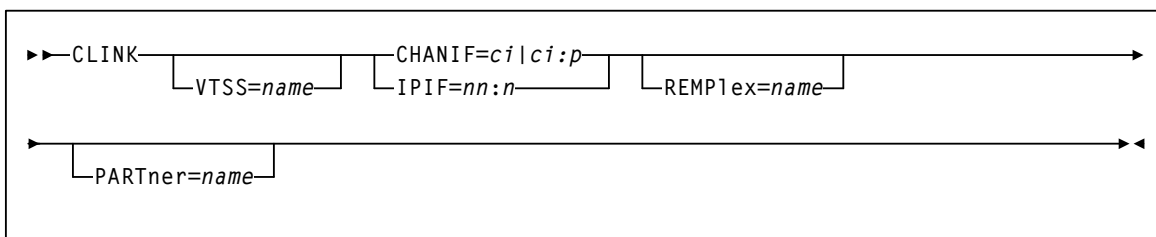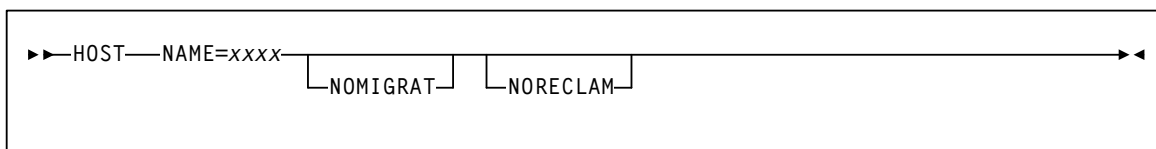
CONFIg TAPEPLEX Statement

```
►►──TAPEPLEX──THISPLEX=name───────────────────────────────────────────►
                          └─RECVPLEX(tapeplex-list)─┘

►──────────────────────────────────────────────────────────────────────►◄
       └─STORMNGR(stormngr-list)─┘
```
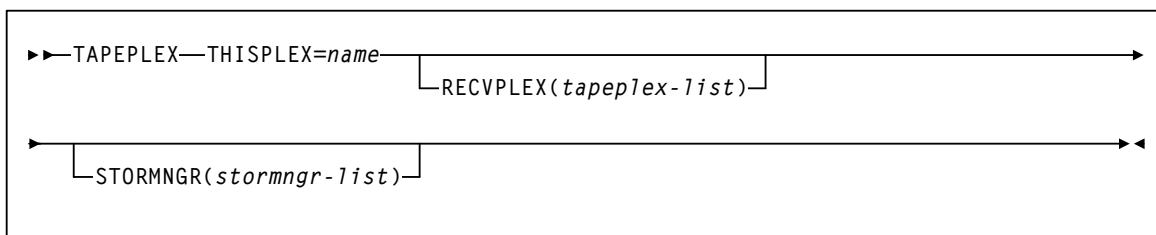
CONSolid

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─CONSolid─┬──────────────────────────────────┬─┬─────────────────────┬─►◄
            │  ┌─VTV(─┬─volser───┬──────)───────┤ │         ┌─NO─┐       │
            │  │      ├─vol-range─┤              │ │ RECALWER(─┼────┼──)──┤
            │  │      │  ┌─,──────┐              │ │          └─YES─┘     │
            │  │      └──▼─vol-list┘             │ └─────────────────────┘
            │  └─MGMTclas(─┬─mgmt-class-name─────┬─)─┘
            │             │  ┌─,────────────┐
            │             └──▼─mgmt-class-list┘
```
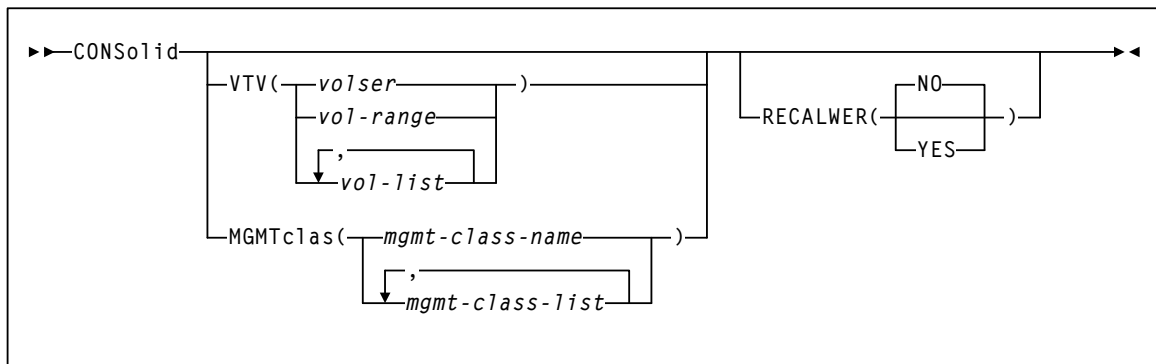
DEComp

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►─DEComp─┬──────────────────┬─┬──────────┬─►◄
          └─FLATdd(ddname)────┘ └─LISTDELR─┘
```
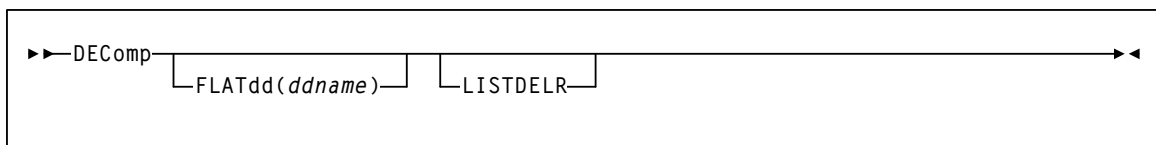
DELETSCR

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─DELETSCR──────────────────────────────────────────────────────────────────────►
            │─VTVid(─┬─volser────┬──)─┐
            │        │─vol-range─┤    │
            │        │   ┌─,─────│    │
            │        │   ▼─vol-list─┘ │
            │        └─────────────── │
            │            ┌─,────────────────┐            │
            │─MGMTclas(──▼─mgmt-clas-name──┘─)──────────┤
            │            ┌─,────────┐                    │
            │─SCRPool(───▼─scrpool─┘──)─────────────────┤
            └─VTSS(vtss-name)───────────────────────────┘

►──NOTREF(days)───────────────────────────────────────────────────────────────◄
               └─MAXVTV(nnn)─┘   └─DETail─┘
```
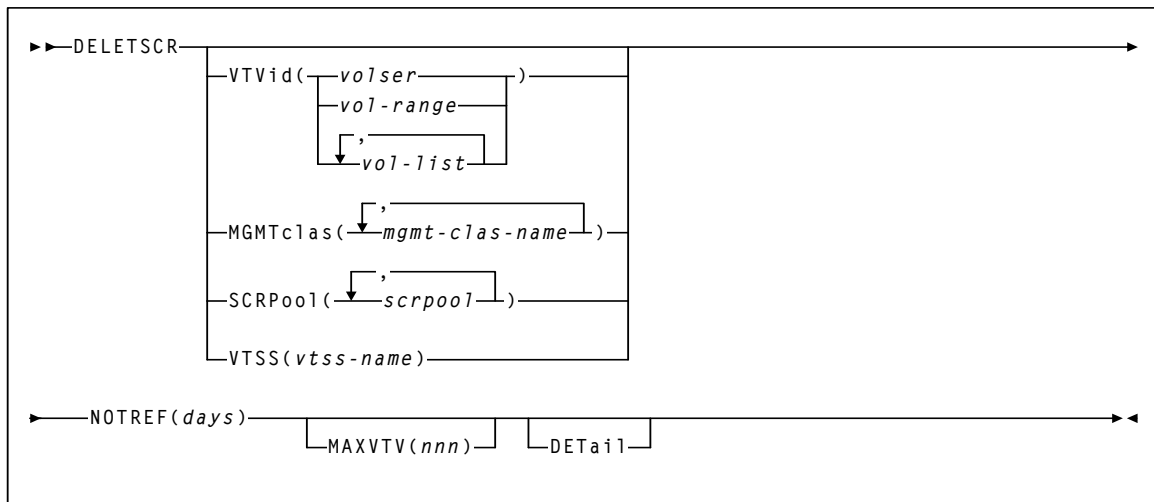
DIRBLD

Interfaces:

Utility only
UUI: No
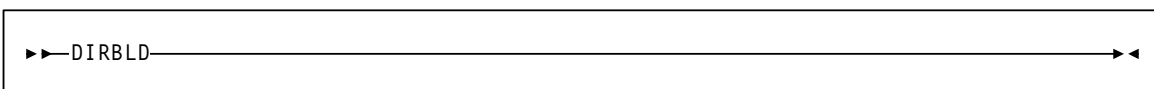
Subsystem Requirements:

Active HSC not required

```
►►─DIRBLD──────────────────────────────────────────────────────────────────────◄
```

DISMount

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►──DISMount──┬─────────┬──devaddr──┬──────────┬──┬───────┬────────►◄
              └─,───────┘           └─host-id──┘  └─FORCE─┘
                └─volser─┘
```
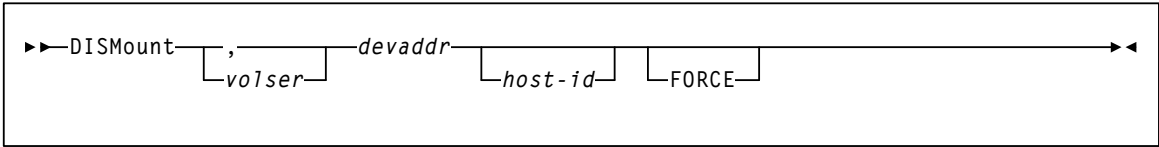
Display Acs

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►──┬─Display─┬──Acs──┬─────────────────┬────────────────►◄
    └─Query───┘       ├─acs-id──────────┤
                      ├─acs-range───────┤
                      │      ┌─,───────┐│
                      └─(────▼─acs-list─┴──)─┘
```
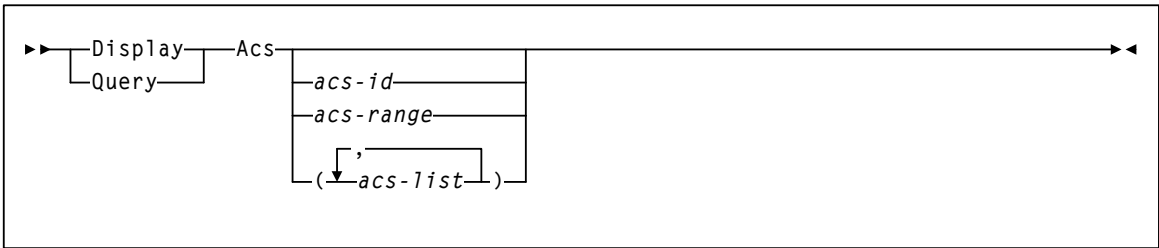
Display ACTive

Display ACTive

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──ACTive──────────────────────────────────────►◄
    └─Query───┘   └─DETail─┬──────────────────────┐
                          └─VTSS(vtss-name)─┘
```
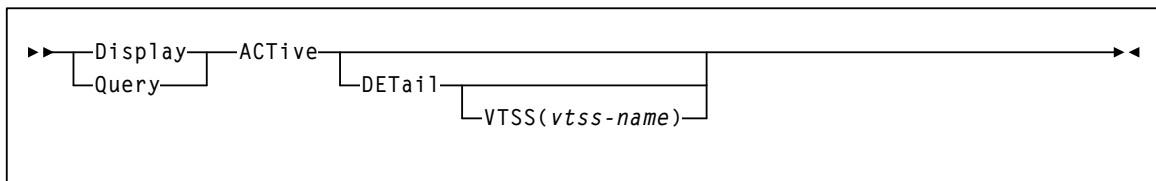
Display ALl

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►──┬─Display─┬──ALl─────────────────────────────────────────►◄
    └─Query───┘
```
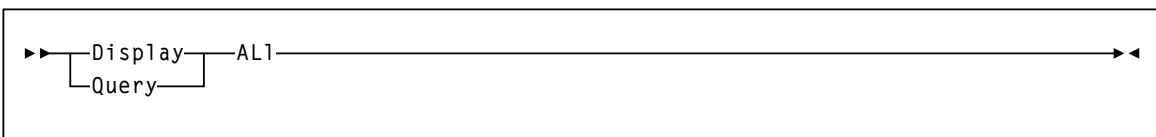
Display Cap

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
                              ┌──(all CAPs)──┐
  ►►─┬─Display─┬──Cap─┼──────────────┼──────────────────────────►◄
     └─Query───┘      ├───acs-id─────┤
                      ├───lsm-id─────┤
                      └───cap-id─────┘
```
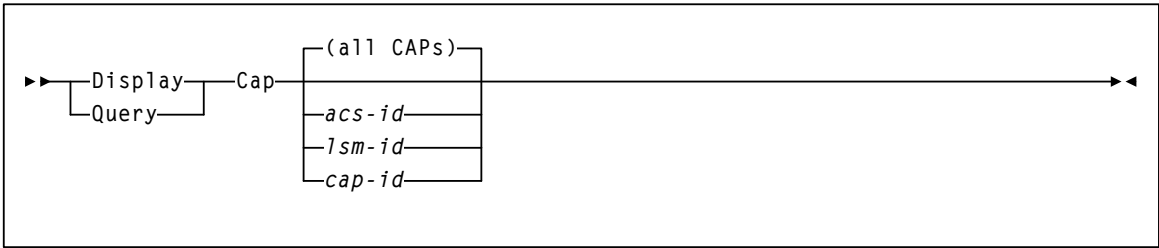
Display CDS

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
  ►►─┬─Display─┬──CDS────────────────────────────────────────►◄
     └─Query───┘
```
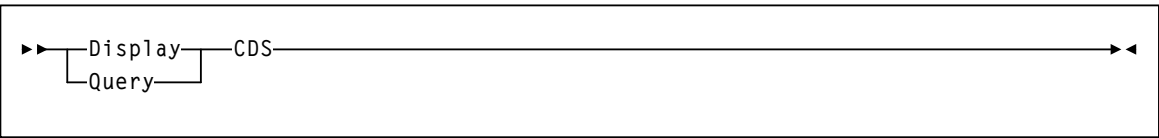
Display CLInk

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──CLInk────────────────────────────────►◄
    └─Query───┘
```
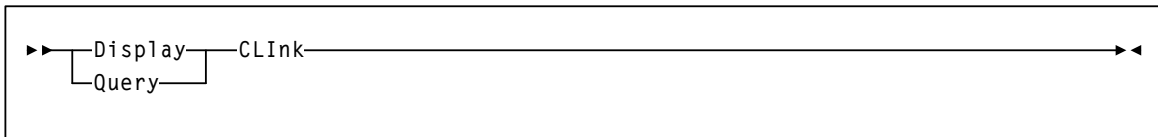
Display CLUster

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──CLUster──────────────────────────────►◄
    └─Query───┘
```
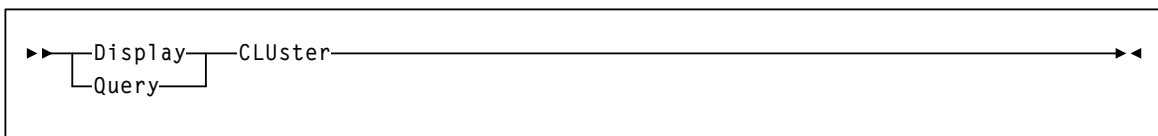
Display CMD

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──┬─CMD──────┬──┬─────────────────┬─────────────────►◄
    └─Query───┘  └─COmmand──┘  └─command-name─────┘
```
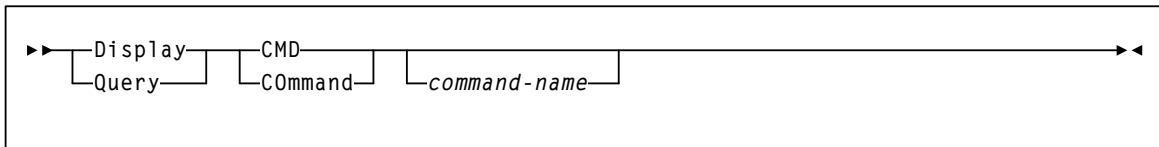
Display COMMPath

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──COMMPath─────────────────────────────────────────►◄
    └─Query───┘         │           ┌─*────────┐      │
                        └─HOSTid(───┼─ALL──────┼───)──┘
                                    ├─host-id──┤
                                    │ ┌──────┐ │
                                    └─host-list─┘
```
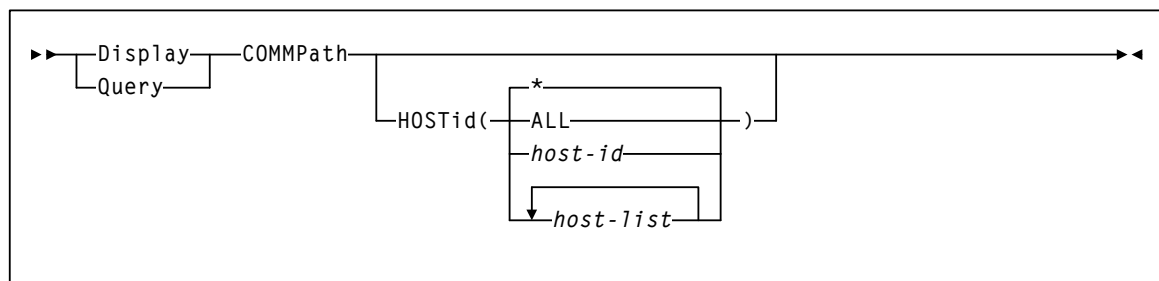
Display CONFIG

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►──┬─Display─┬──CONFIG───────────────────────────────────────────────►◄
    └─Query───┘
```
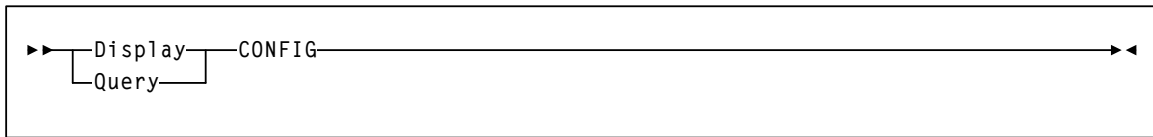
Display DRives

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
                      ┌─Library──────┐ ┌─ACtive─┐ ┌─BYDrive───┐
►►──┬─Display─┬──DRives─┼─ACS(acs-id)──┼─┼─Idle───┼─┼─BYLoc─────┼──────►
    └─Query───┘         └─LSM(lsm-id)──┘ └─ALl────┘ └─SHOWSlot──┘ ┌─DETail───┐
                                                                 └─IDEntity─┘

►──┬──────────────────┬─┬─RECtech(recording-technique)─┬────────────────►
   └─MEDia(media-type)─┘ └─MODel(model-type)────────────┘

►──┬─Unit(─┬─unit-address───────┬─)─┬─────────────────────────────────►◄
           └─unit-address range─┘
```
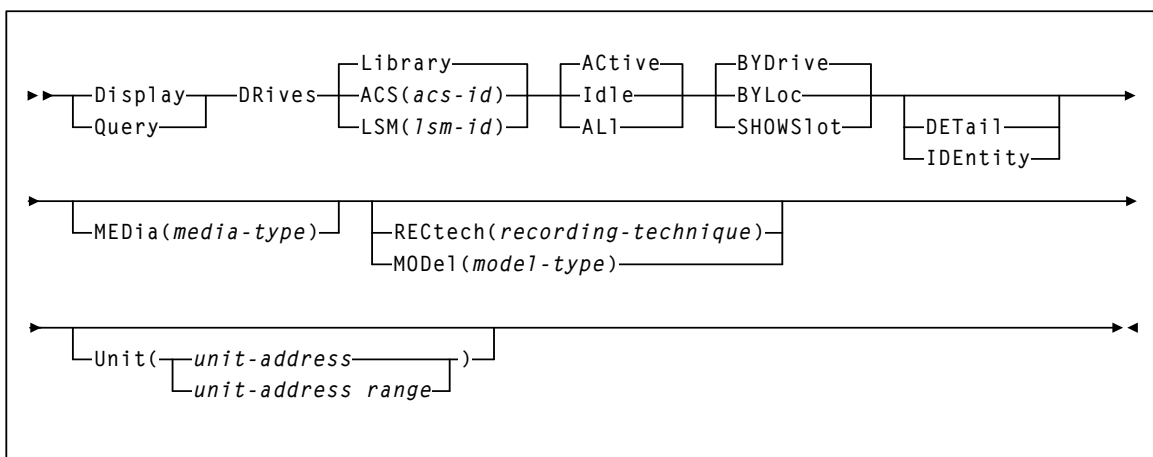
Display DRIVE_INFO

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─┬─Display─┬──┬─DRIVE_INFO─┬──────────────────────────────────►◄
   └─Query───┘  └─DRV_Info───┘

►──┬─ACtive─┬──┬─LIBRARY──────────────────────────────────┬──►◄
              ├─LSMloc(lsm-id)───────────────────────────┤
              │         ┌─────◄─────┐                     │
              │         ┌─MODel(─▼─model-type─┴─)─────────┤
              │         └─RECTech(─▼─recording-technique─┴─)─┤
              │                                           │
              │   ┌────◄────┐                             │
              ├─MODel(─▼─model-type─┴─)────────────────────┤
              │   ┌──────◄──────┐                         │
              ├─RECTech(─▼─recording-technique─┴─)────────┤
              └─VIRTual──────────────────────────────────┘

   ├─DEVADDR(device-address)──────────────────┤
   ├─DRVLOC(drive-location)───────────────────┤
   ├─LIBLOC(drive-id)─────────────────────────┤
   │        ┌────◄────┐
   ├─MODel(─▼─model-type─┴─)───────┬──────────────────────┤
   │                               └─LSMloc(lsm-id)─┘
   │          ┌──────◄──────┐
   └─RECTech(─▼─recording-technique─┴─)─┘
```
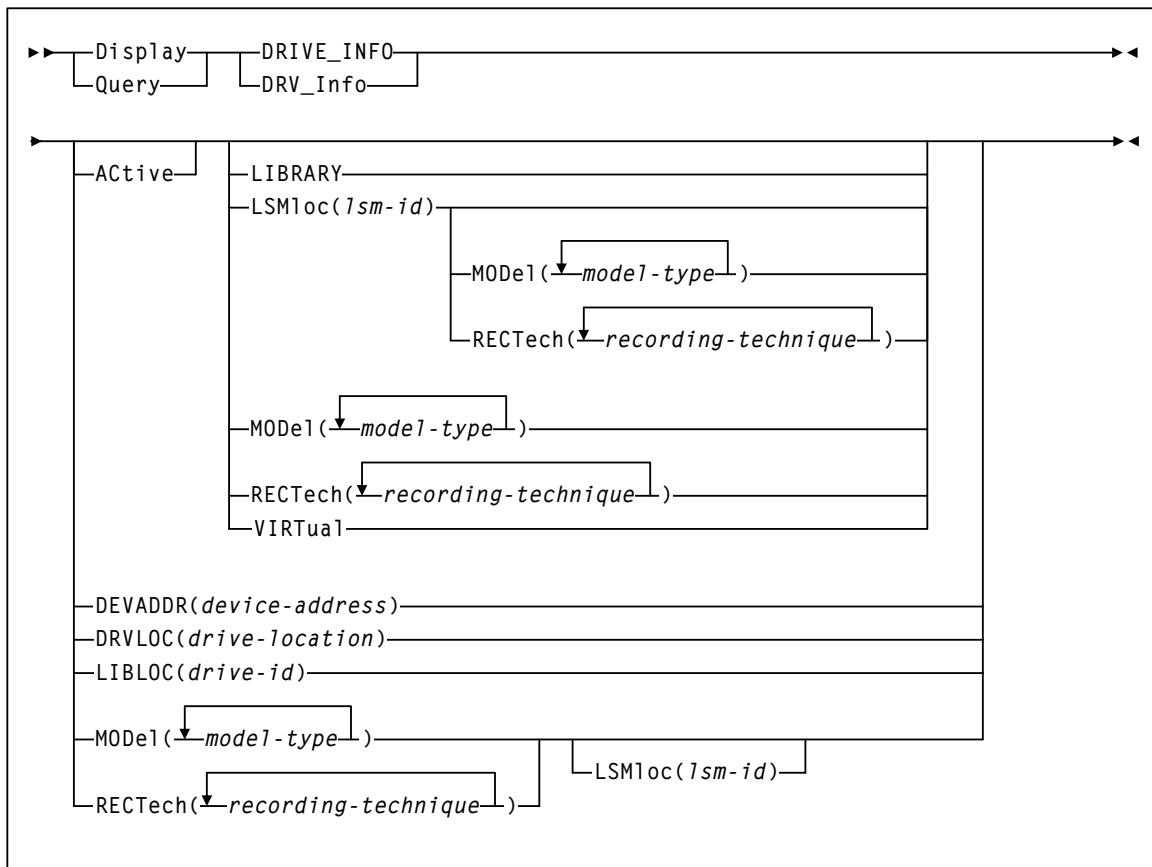
Display EXceptns

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►──┬─Display─┬──┬─EXceptns─┬──────────────────────────────►◄
    └─Query───┘  └─X────────┘
```
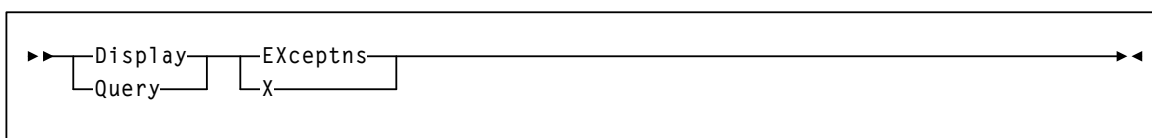
Display LMUPDEF

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──LMUPDEF──────────────────────────────────►◄
    └─Query───┘
```
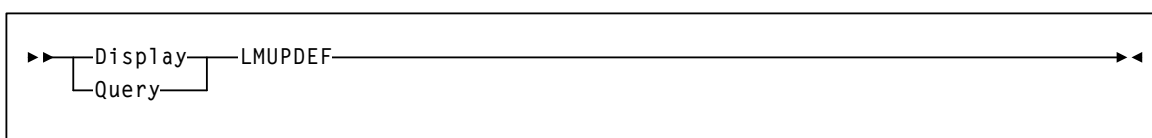
Display LOCKs

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─┬─Display─┬─LOCKs──────────────────────────────────────────►◄
   └─Query───┘
```
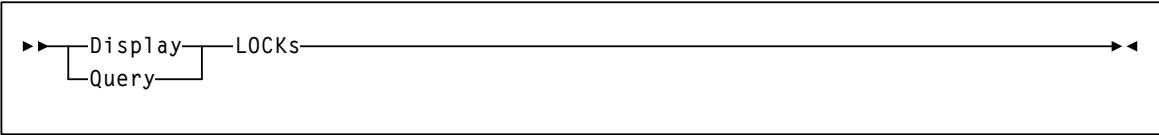
Display Lsm

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►─┬─Display─┬─Lsm─┬──────────────┬─┬─────────────────┬─►◄
   └─Query───┘     ├─lsm-id───────┤ └─DETail(─┬─Yes─┬─)┘
                   ├─lsm-range────┤           └─No──┘
                   │      ┌─,──┐  │
                   └─(─▼─lsm-list─┴─)─┘
```
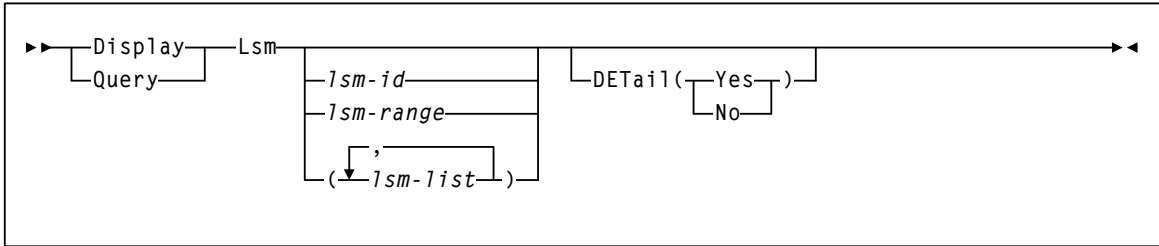
Display Message

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──┬─Message─┬──┬─msgnum────┬──────────────────►◄
    └─Query───┘  └─Msg─────┘  ├─msg-range─┤
                              │ ┌────────┐│
                              └─┴─msg-list┴┘
```
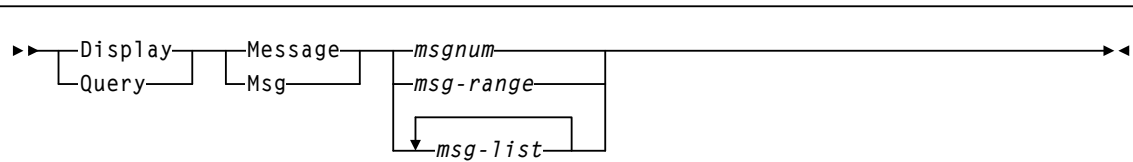
Note: *msg-range* and *msg-list* are only valid when the Display Message command is issued from a utility or programmatic interface.

Display MGMTDEF

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──MGMTDEF──────────────────────────────────────►◄
    └─Query───┘
```
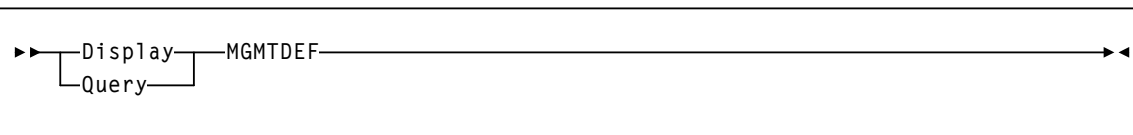
Display MIGrate

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──MIGrate──┬────────────────────────────────────────────────┬──►◄
    └─Query───┘           ├─VTSS(vtss-name)────────────────────────────────┤
                          │                 └─DETail─┘                      │
                          ├─DETail──────────────────────────────────────────┤
                          ├─AUTO(stor-clas-name)──────┬─VTSS(vtss-name)──LISTVTVS─┤
                          └─DELAY(stor-clas-name)─────┘
```
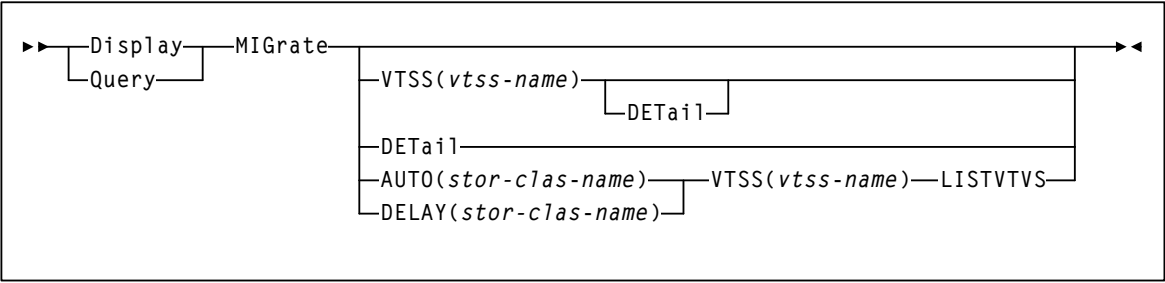
Display MNTD

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──MNTD─────────────────────────────────────────────────────►◄
    └─Query───┘
```
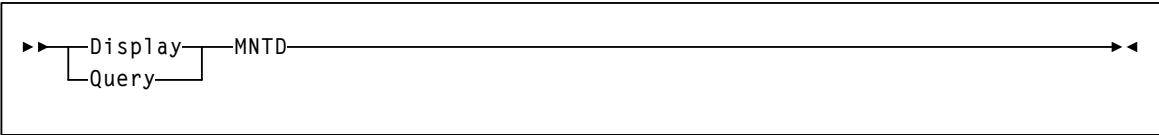
Display MONitor

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──MONitor──────────┐                          ──►◄
    └─Query───┘         └─,PGMI─┘  └─,L(─┬─cc───┬─)─┘
                                         └─name─┘
```
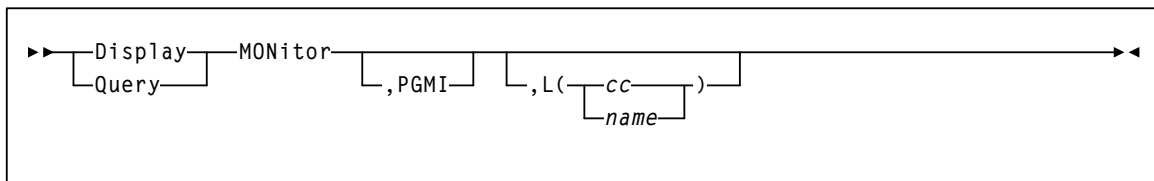
Display MVC

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──MVC(volser)──────────────────────────────────►◄
    └─Query───┘
```
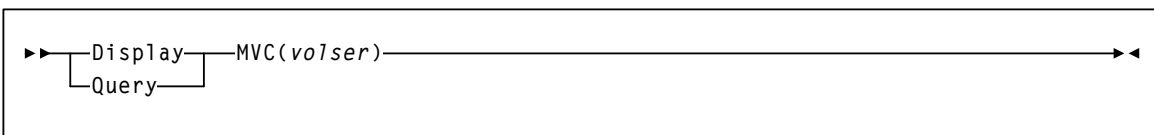
Display MVCPool

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─┬─Display─┬─MVCPool────────────────────────────────────────────────►◄
   └─Query───┘       └─NAME(poolname)─┘  └─STORCLAS(stor-clas-name)─┘
```
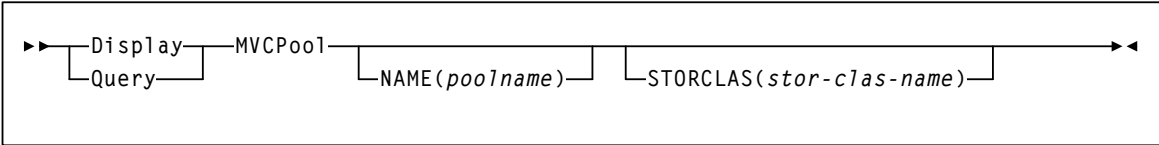
Display OPTion

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─┬─Display─┬─OPTion─────────────────────────────────────────────────►◄
   └─Query───┘
```
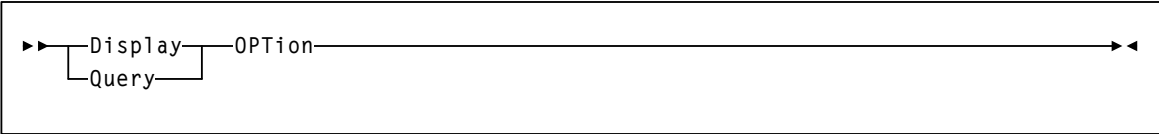
Display PATH

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──PATH──┬──────────────────────┬──┬───────┬──►◄
    └─Query───┘        ├─(──┬─rtd-name──┬──)───┤  └─CLINK─┘
                       │    └─▼rtdname-list─┘  │
                       │                       │
                       └─VTSS(vtss-name)───────┘
```
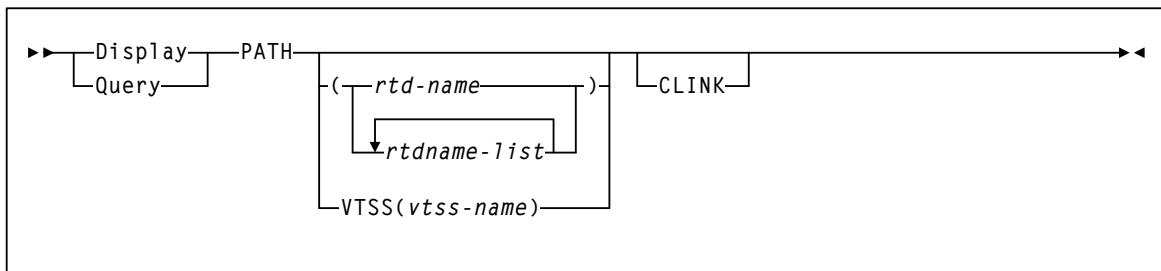
Display Queue

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──Queue──┬─────────────────────┬──►◄
    └─Query───┘         ├─DETail──────────────┤
                        └─VTSS(vtss-name)──────┘
```
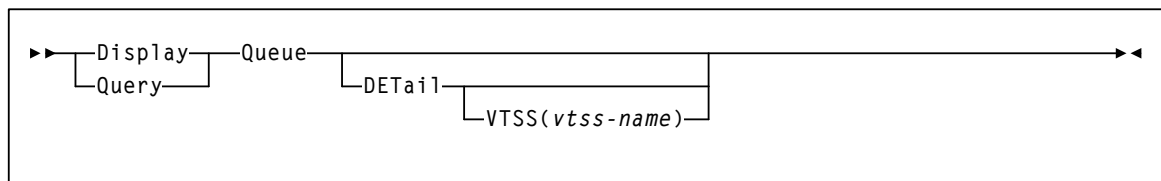
Display REPlicat

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──REPlicat─────────────────────────────────────────►◄
    └─Query───┘
```
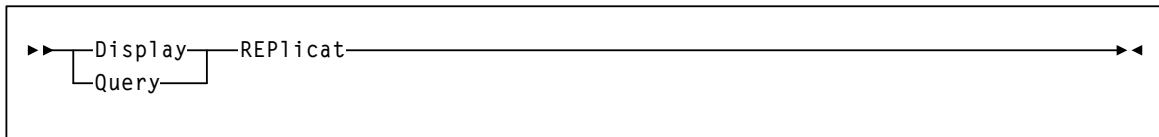
Display Requests

Interfaces:

Console or PARMLIB
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──Requests─────────────────────────────────────────►◄
    └─Query───┘
```
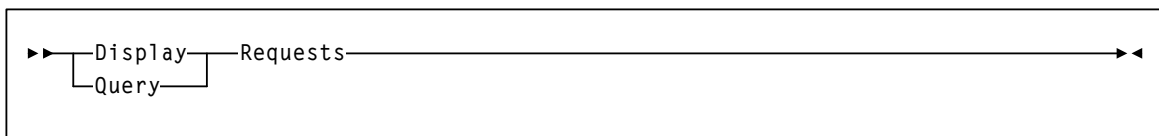
Display RTD

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──RTD─┬────────────┬──┬──────────┬──────────────►◄
    └─Query───┘      ├─(rtd)──────┤  └─QUeued───┘
                     ├─(rtd-range)┤
                     │ ┌──────────┐│
                     └─(rtd-list)─┘
```
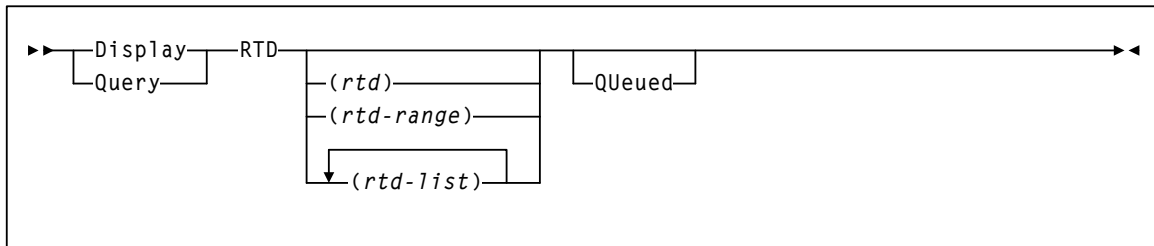
Display SCRatch

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──SCRatch─┬────────┬──┬─────────────────────┬──────►
    └─Query───┘          ├─acs-id─┤  ├─SUBpool(subpool-name)┤
                         ├─lsm-id─┤  └─HOSTid(name)──────────┘
                         └─VSM────┘

►──┬─MEDia(media-type)──RECtech(recording-technique)─┬──┬─────────┬──┬────┬──►◄
   └─DETail─────────────────────────────────────────┘  └─REFresh─┘  └─ALL┘
```
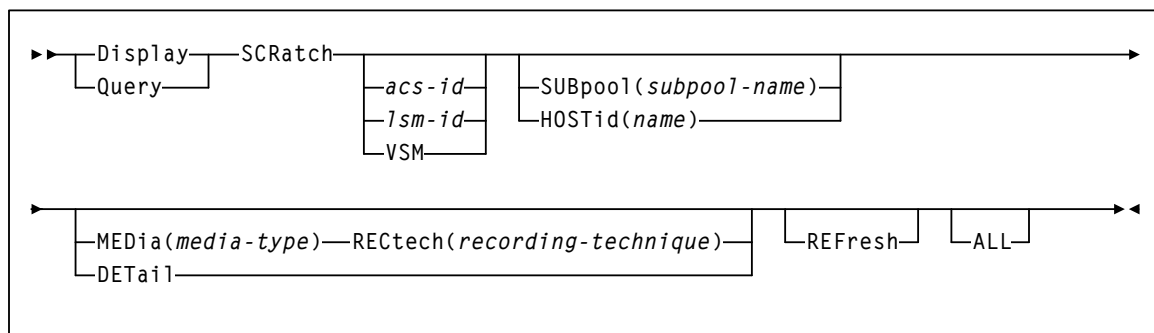
Display SEN

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──SEN─────────────────────────────────►◄
    └─Query───┘   └─REQNAME=──LNRNAME=─┘
```
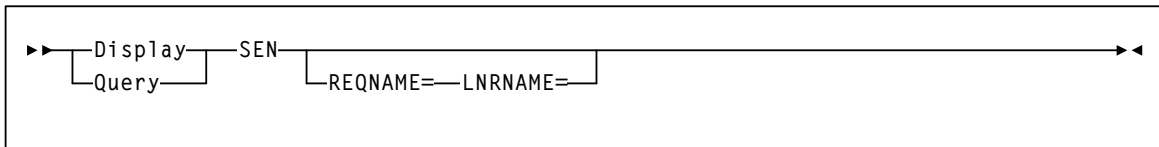
Display SERVER

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──SERVER──────────────────────────────►◄
    └─Query───┘
```
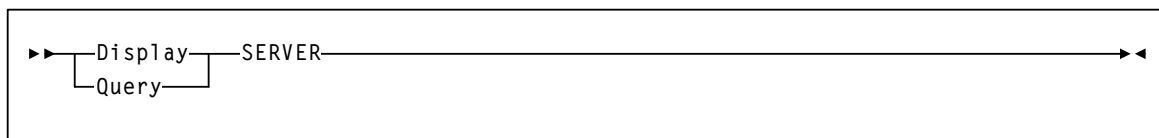
Display SRVlev

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►──┬─Display─┬──SRVlev──────────────────────────────────────►◄
    └─Query───┘
```
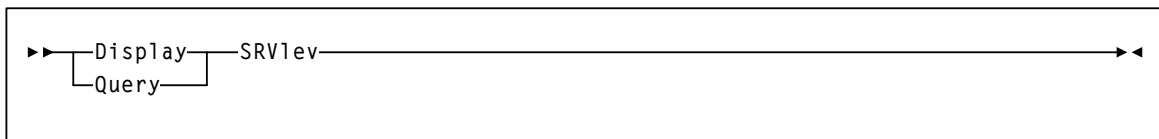
Display Status

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──Status──────────────────────────────────────►◄
    └─Query───┘
```
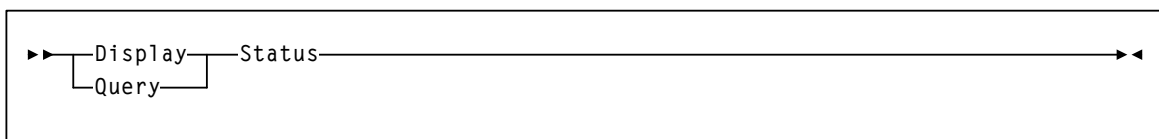
Display STORCLas

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─┬─Display─┬──STORCLas(name)──────────────────────────►◄
   └─Query───┘          └─DETail─┘ └─MAXvtv(nnnn)─┘
```
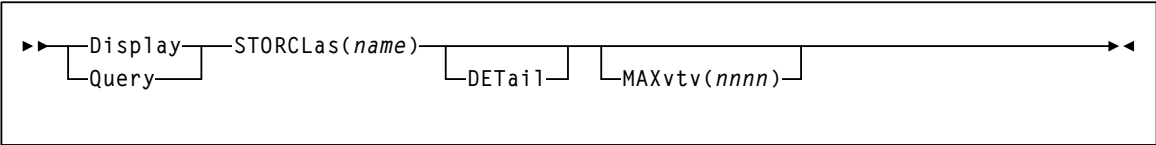
Display STORMNgr

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC/VTCS

```
►►─┬─Display─┬──STORMNgr(name)─────────────────────────────────►◄
   └─Query───┘
```
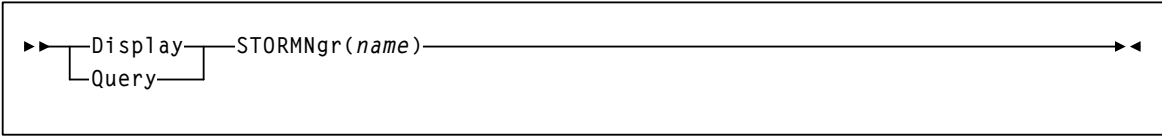
Display TASKs

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──TASKs──────────────────────────────────────────────────◄
    └─Query───┘
```

Display THReshld

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──┬─Display─┬──THReshld──┬─────────┬──┬─────────────────────┬──────────►
    └─Query───┘            ├─acs-id──┤  ├─SUBpool(subpool-name)┤
                           ├─lsm-id──┤  └─HOSTid(name)─────────┘
                           └─VSM─────┘

►──┬─MEDia(media-type)──RECtech(recording-technique)─┬──┬─────┬──────────►◄
   └─DETail──────────────────────────────────────────┘  └─ALL─┘
```
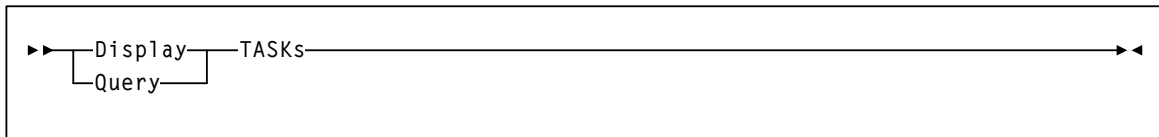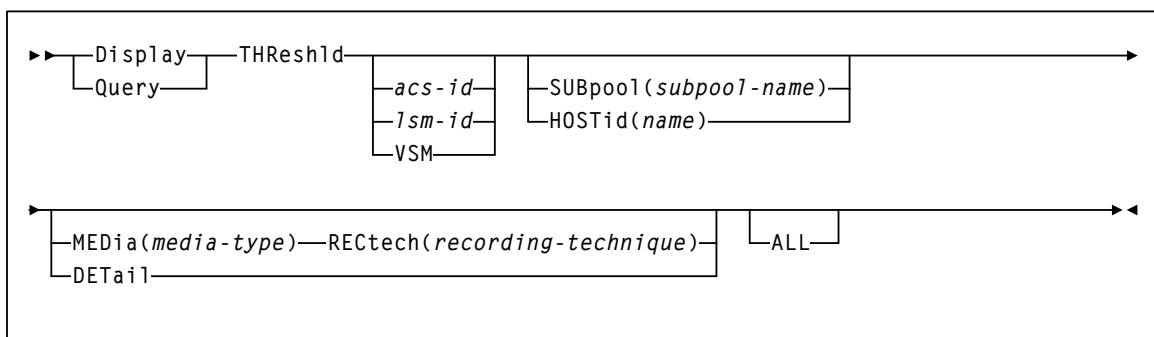
Display Volser

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─┬─Display─┬──┬─Volser──┬──┬─volser────┬───┬─────────┬──►◄
   └─Query───┘  └─Volume──┘  ├─vol-range─┤   └─DETail──┘
                             │    ,      │
                             │    ▼      │
                             └─(──vol-list──)─┘
```
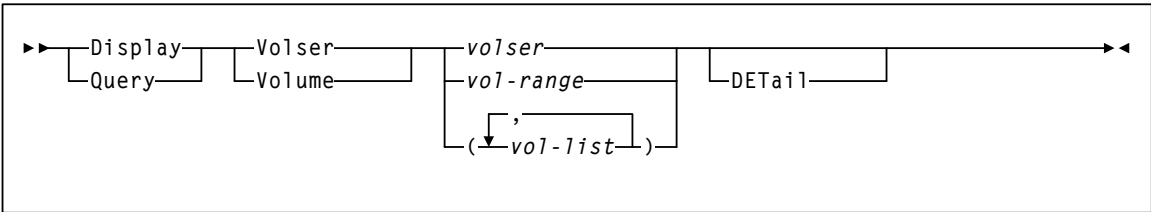
Display VOLume_Info

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─┬─Display─┬──VOLume_Info──┬──────────────────────────┬──►◄
   └─Query───┘               ├─VOLser──┬─volser────┬────┤
                             │         ├─vol-range─┤    │
                             │         │    ,      │    │
                             │         │    ▼      │    │
                             │         └─(──vol-list──)─┘
                             └─ALL──────────────────────┘
```
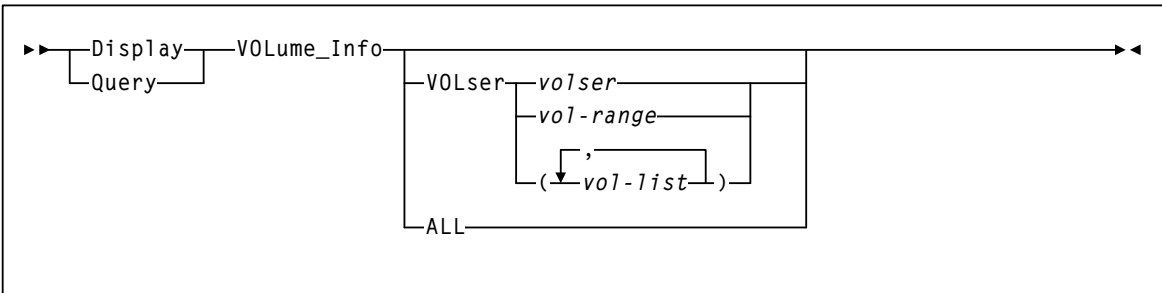
Display VSCRatch

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─┬─Display─┬─VSCRatch─────────────────────────────────►◄
   └─Query───┘        └─(subpool-name)─┘
```
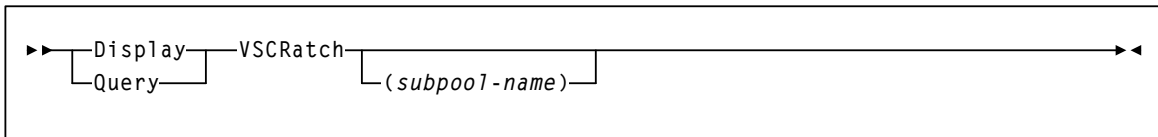
Display VTD

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
                                       ┌─ACtive─┐
►►─┬─Display─┬─VTD─┬──────────────────┬─┼────────┼──────►◄
   └─Query───┘     └─VTSS(vtssname)───┘ └─ALl────┘
```
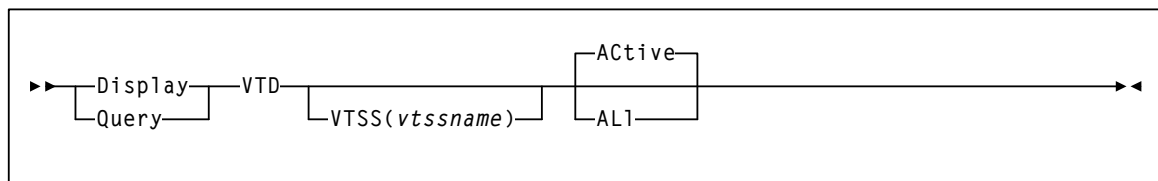
Display VTSS

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──┬─VTSS──────────────┬──┬───────┬──────────────►◄
    └─Query───┘  └─VTSS(vtss-name)───┘  └─DETail─┘
```
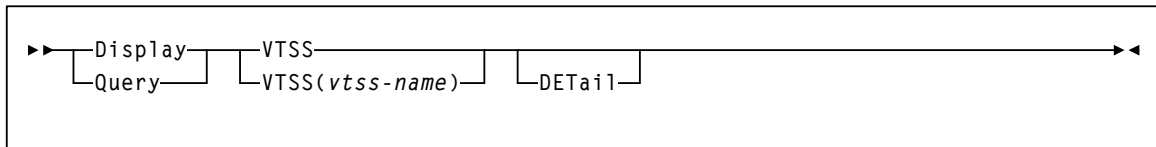
Display VTV

Interfaces:

Console or utility
UUI: Yes
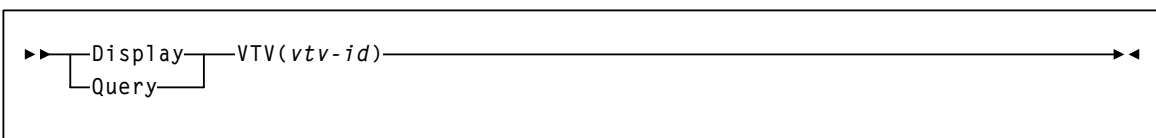
Subsystem Requirements:

Active HSC/VTCS

```
►►──┬─Display─┬──VTV(vtv-id)──────────────────────────────────►◄
    └─Query───┘
```

DRAin

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►─DRAin──────cap-id───────────┬─ENter─┬────────────────────────►◄
                │              └─EJect─┘
                │   ┌─,────┐
                └─(─▼─cap-list─┴─)─┘
```
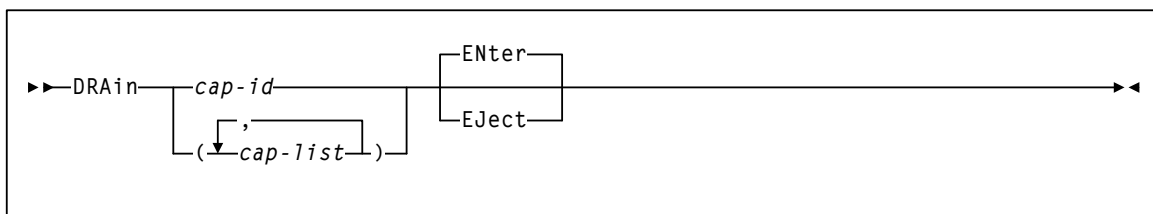
DRCHKPT

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC/VTCS at FULL service level

```
►►──DRCHKPT──┬──SET───┬──────────────────────────────────────►◄
             └─CLEAR──┘
```
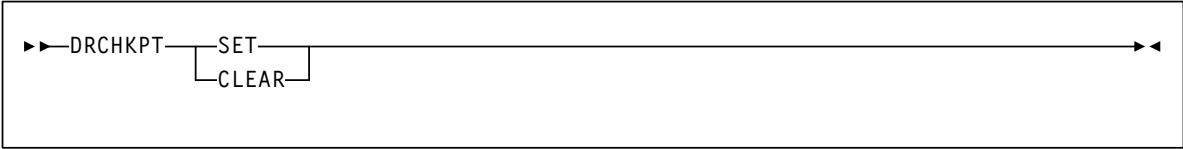
DRMONitr

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC/VTCS at FULL service level
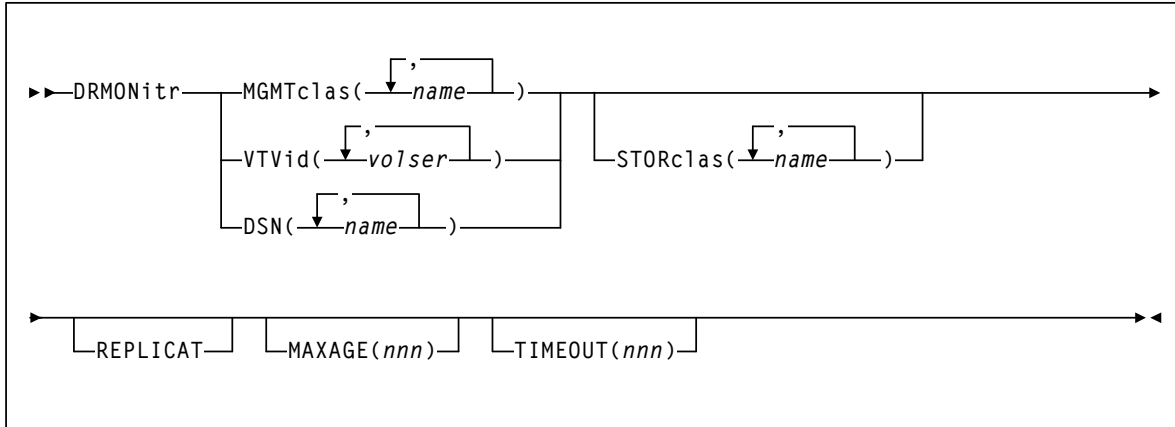
DRTEST CREATE

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─DRTEST──CREATE──|Options|──────────────────────────────────────►
                          └─NOUPDprd─┘
```
Options:
```
├───HOSTID(hostid1,hostid2,...hostidn)────────────────────────────►

►────────────────────────────────────────────────────────────────►
     └─DRVTSS(vtss1,vtss2,...vtssn)─┐
                              └─SPARE─┘

►────────────────────────────────────────────────────────────────►
      ─────STORMNGR(stormngr-list)─────┘

►──DRACS(acsid1,acsid2,...acsid16)────────────────────────────────┤
```

Note: CREATE is not valid when DRTEST is issued from the console.
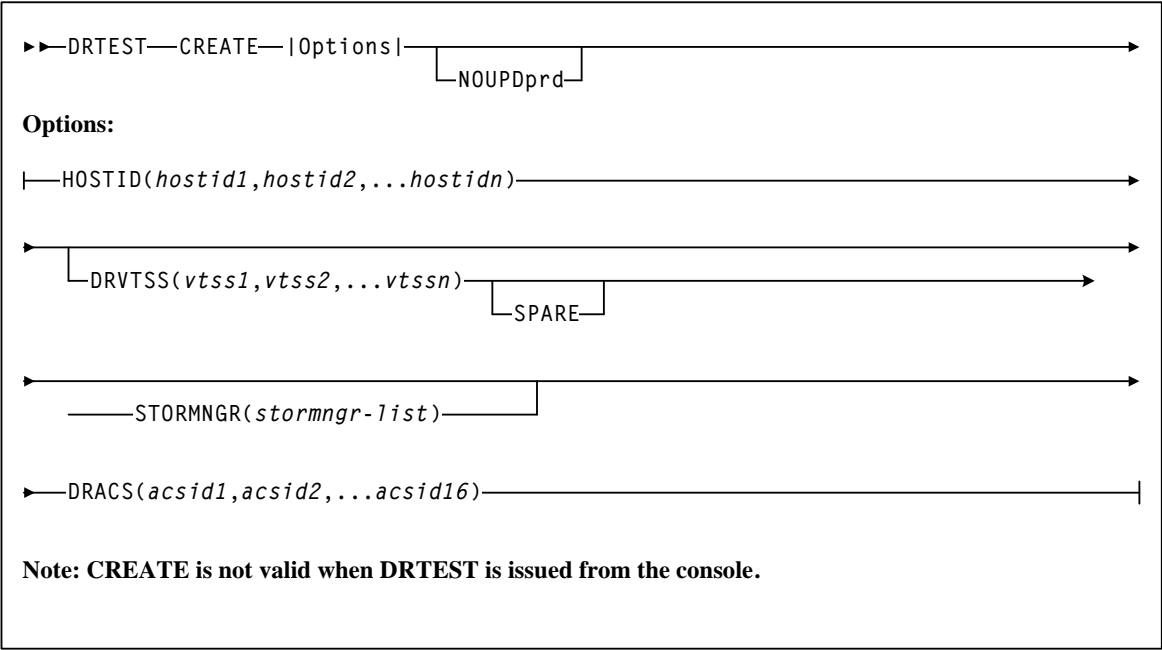
DRTEST PRIMEprd

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─DRTEST──PRIMEprd─|Options|─────────────────────────────────────────►◄
```

Options:

```
├──HOSTID(hostid1,hostid2,...hostidn)──────────────────────────────────►

►─────────────────────────────────────────────────────────────────────►
        └─DRVTSS(vtss1,vtss2,...vtssn)──────────────────────────────►
                              └─SPARE(vtss1,vtss2,...vtssn)─┘

►─────────────────────────────────────────────────────────────────────►
        ───────STORMNGR(stormngr-list)───────┘

►─DRACS(acsid1,acsid2,...acsid16)──────────────────────────────────────┤
```

Note: PRIMEprd is not valid when DRTEST is issued from the console.

DRTEST RESET

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─DRTEST──RESET──────────────────────────────────────────────────►◄
```

Note: RESET is not valid when DRTEST is issued from the console.

DRTEST START

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►─DRTEST──START──────────────────────────────────────────────────►◄
```

DRTEST STOP

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►─DRTEST──STOP──────────────────────────────────────────►◄
```

EEXPORT

Interfaces:

Console or utility
UUI: Yes
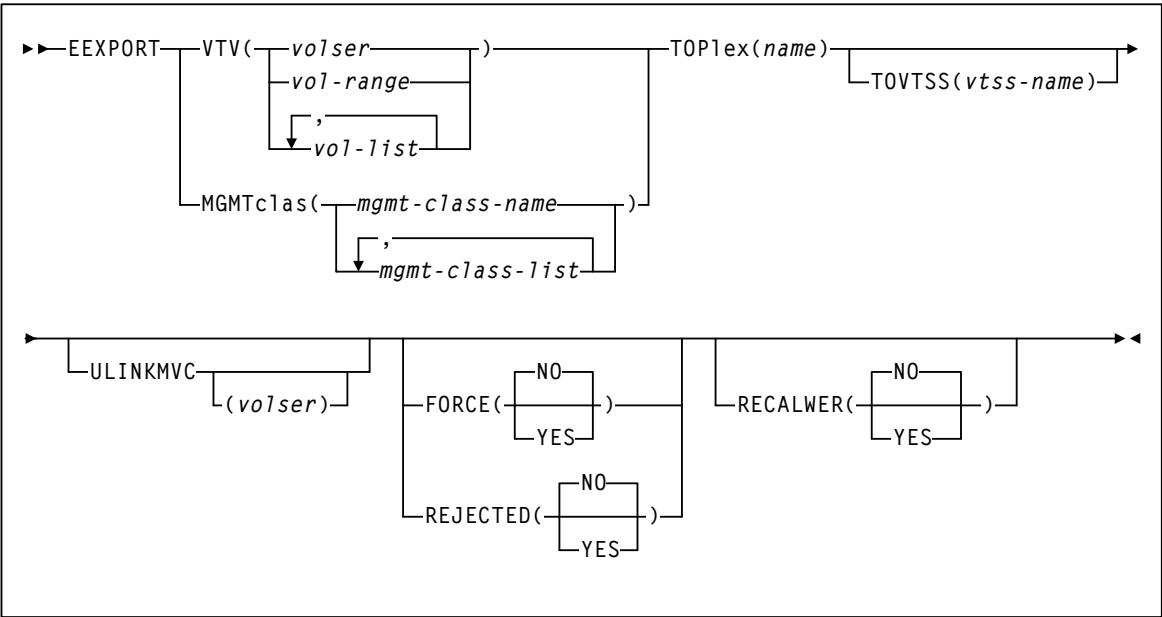
Subsystem Requirements:

Active HSC not required

EJect

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►─EJect─────┬─┤ Option1 ├─┬───────────────────────────────────────►
             └─┤ Option2 ├─┘  └─text─┘
```

Option 1:

```
├─┬─volser──────────┬──────┬─acs-id──────────┬──┬────────────────────►
  ├─vol-range───────┤      ├─lsm-id──────────┤  └─WAITcap(─┬─NO──┬─)─┘
  │    ┌──────────┐ │      ├─cap-id──────────┤             └─YES─┘
  └─(──▼─vol-list─┴─)─┘    │    ┌──,───────┐ │
                          └─(──▼─cap-list─┴─)─┘
```

```
├────────────────────────────────────────────────────────────────────┤
  └─SEQ(─┬─NO──┬─)─┘
         └─YES─┘
```

Option 2:

```
├─SCRTCH──┬──────────────────┬──┬─SUBpool(subpool-name)─┬──┬─VOLCNT(count)─┬─►
          ├─acs-id──────────┤
          ├─lsm-id──────────┤
          ├─cap-id──────────┤
          │    ┌──,───────┐ │
          └─(──▼─cap-list─┴─)─┘
```

```
├──┬─MEDia(media-type)─┬──┬─RECtech(recording-technique)─┬──┬────────────────────┤
                                                           └─WAITcap(─┬─NO──┬─)─┘
                                                                      └─YES─┘
```

ENter

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
                 ┌─ØØ──────┐
►►──ENter────────┼─────────┼──────────────────────────────────────────────►◄
                 ├─acs-id──┤  ┌─TLSM(lsm-id)─┐  ┌─SCRatch─┐
                 ├─lsm-id──┤
                 └─cap-id──┘
```
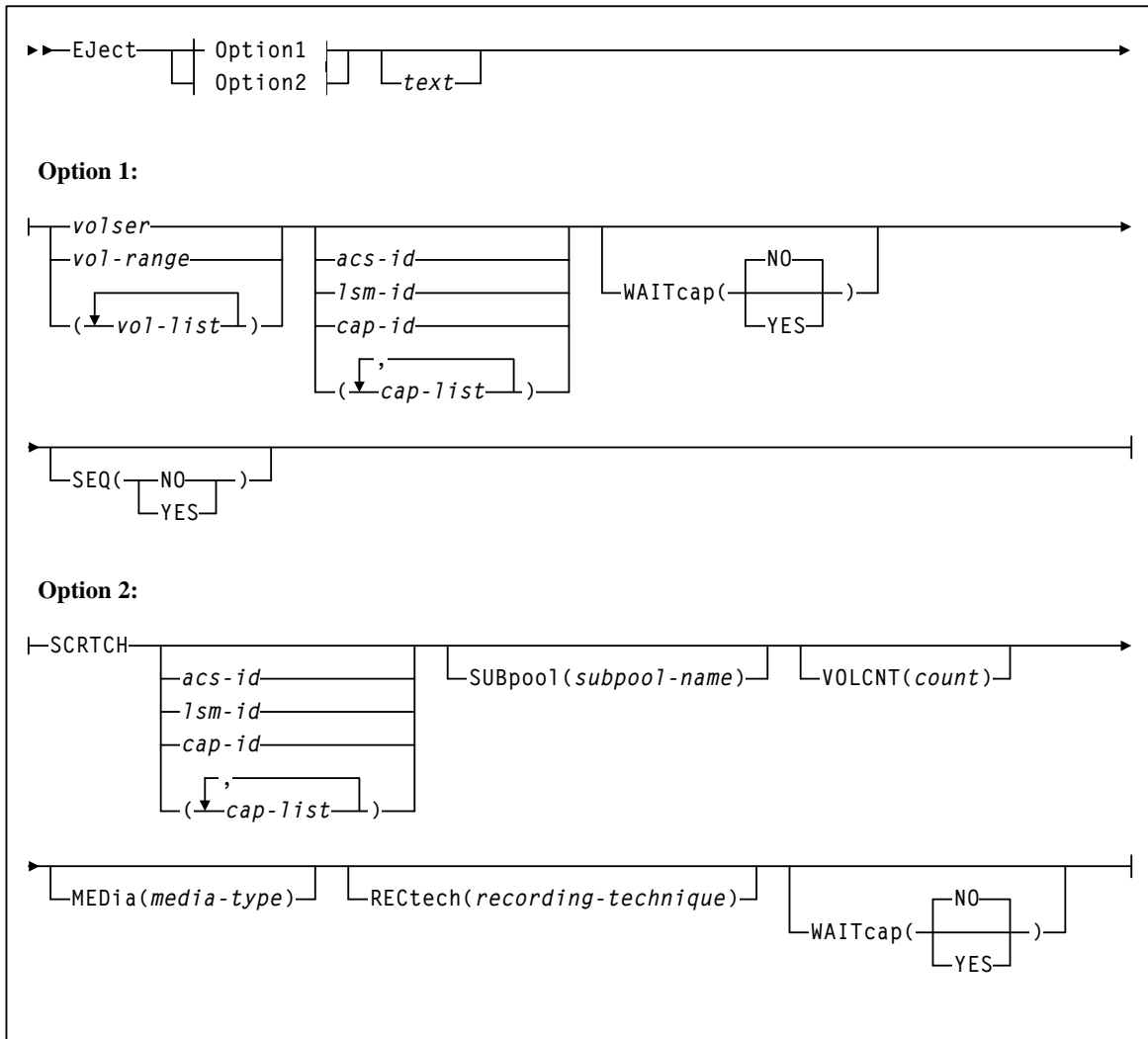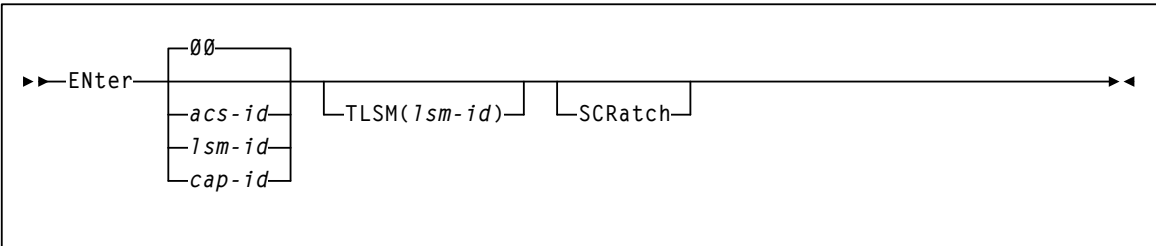
EXECParm

Interfaces:

PARMLIB only
UUI: No

Subsystem Requirements:

None

```
►►──EXECParm───────────────────────────────────────────┬─,Eid(gtfeid)─┐ ┌─,Fid(gtffid)─┐──►
              │            ┌─Yes─┐        │
              └─MSGPRFX(───┴─No──┴───)────┘

►──────────────────────────────────────────────────────────────────►◄
     └─,HOSTID(host-id)─┘
```
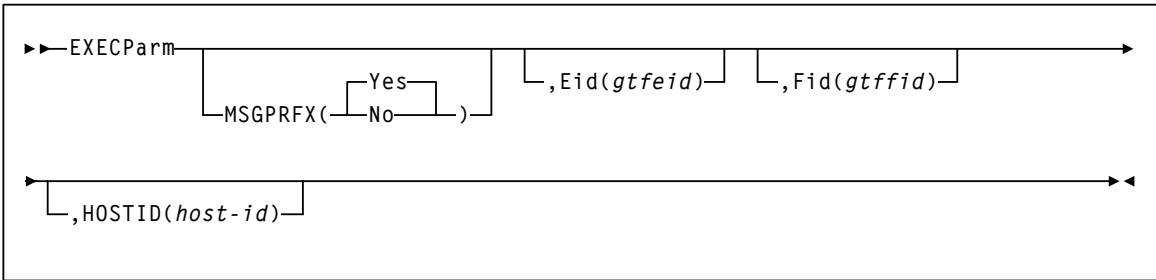
EXPORT

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

- Active HSC/VTCS at FULL service level required when specifying the VTV, MGMTCLAS, or STORclas parameter.
- Active HSC/VTCS not required when specifying the MVC parameter.
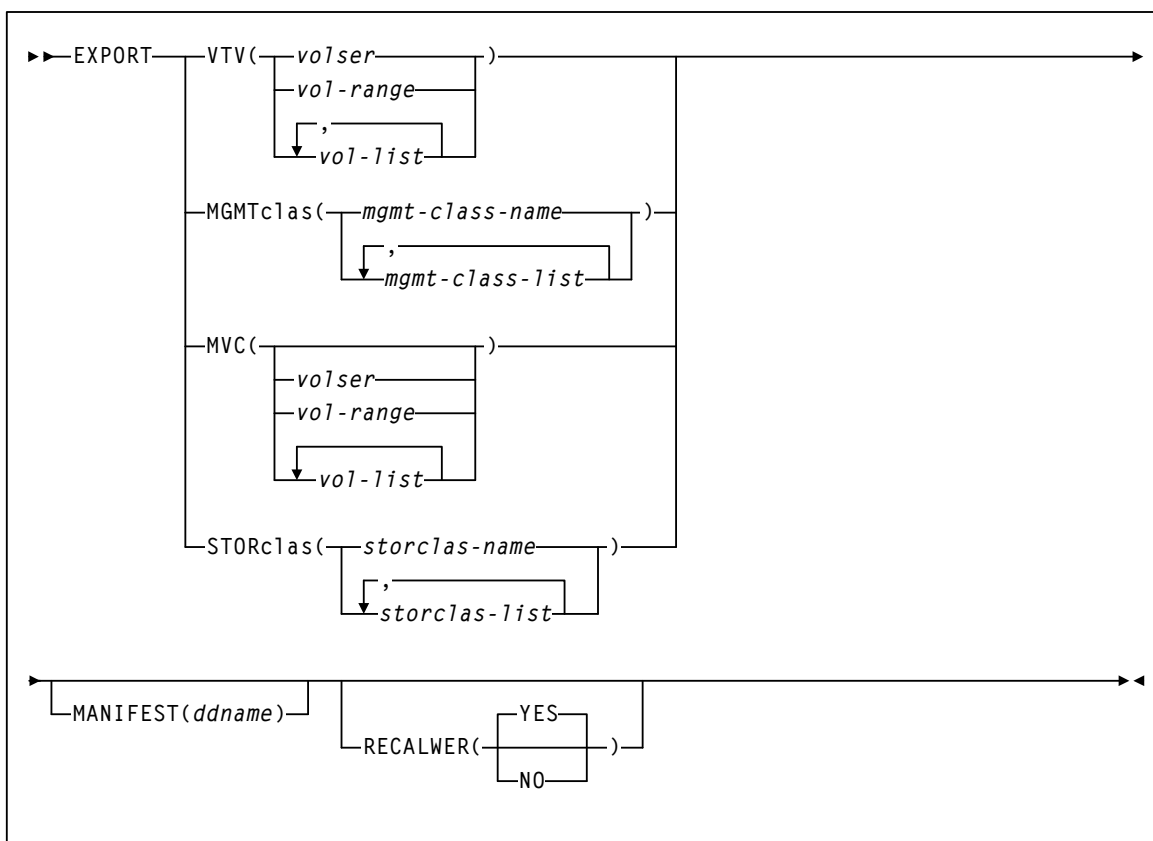
FMTLOG

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─FMTLOG──────────────────────────────────────────────────────►◄
```

IMPORT

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS not required

```
►►──IMPORT──┬──────────────────────────────────────┬──┬─REPLACE(─┬─NONE──┬─)─┬──────►
            │          ┌─volser───────────┐         │  │          └─ALL───┘   │
            ├─VTV(──────┼─vol-range────────┼──)──────┤  └──────────────────────┘
            │          │      ┌──,──┐       │         │
            │          └──────┴─vol-list─┘  │
            │          ┌─volser───────────┐ │
            └─MVC(──────┼─vol-range────────┼──)
                        │      ┌──,──┐      │
                        └──────┴─vol-list─┘

 ►──┬───────────────────┬──┬──────────┬──┬─IMMDRAIN(─┬─NO──┬─)─┬──────────────────────►
    └─MANIFEST(dd-name)─┘  └─NOUPDATE─┘  │           └─YES─┘   │
                                         └──────────────────────┘

 ►──┬──────────┬──┬─OWNRPLEX(name)─┬──────────────────────────────────────────────────►◄
    └─INACTCDS─┘  └─SETOWNER───────┘
```
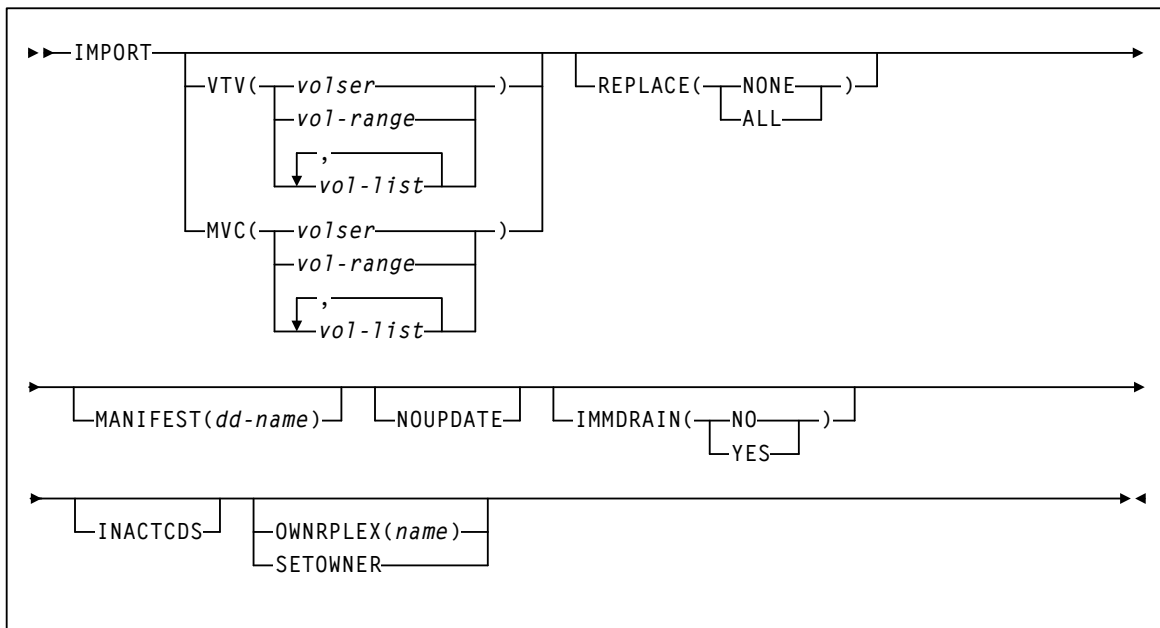
INITialize

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►──INITialize──┬──┤ Optional Parameters ├──┬──────────────────────►◄

Optional Parameters:

├──┬──────────────────┬──┬──────────────────────────────────────────┬──►
   │                  │  │              ┌─IEHINITT─┐                  │
   └─CAP(cap-id)──────┘  └─PROGram(─────┴─prog-name─┴─)──VERIFY(parameter-name)─┘

►──┬─────────────────────┬──┬──────────────────────┬──────────────►
   │        ┌─SYSIN─┐     │  └─OPTION(─┬─EJEct───┬─)─┘
   └─CNTLDD(─┴─dd-name─┴─)─┘           └─SCRatch─┘
```

INVENTRY

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS
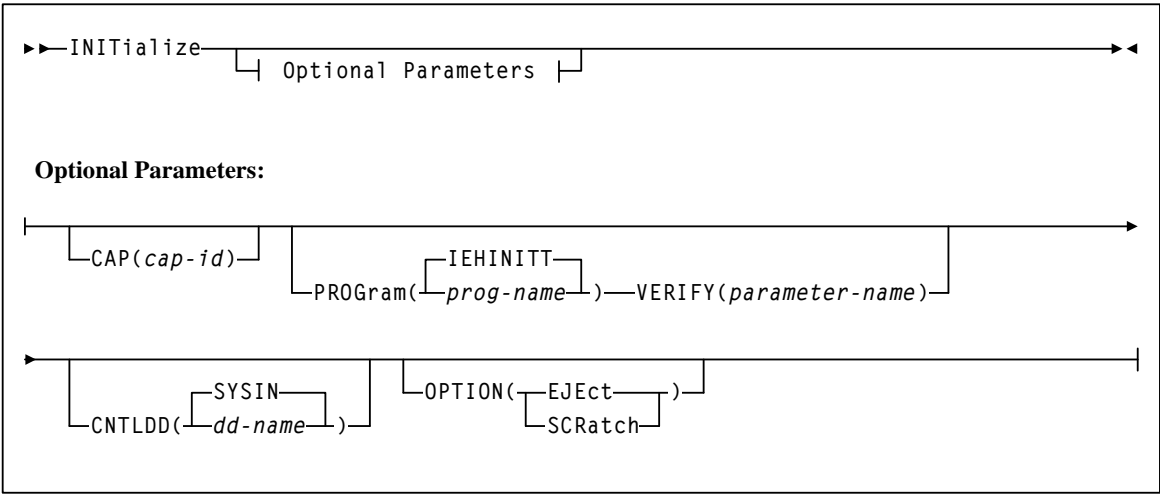
```
►►─INVENTRY──MVCid(──volser─────────)──────────────────────────────────►
                   ├─vol-range─┤       ┌─None─┐
                   │  ┌─,───┐  │    └─CDScheck(──┼─Mvc──┼─)─┘
                   └──▼─vol-list─┘              └─Full─┘

►──────────────────────────────────────────────────────────────────◄
        ┌─NO──┐                    ┌─NO──┐
    └─STOPleot(──┼─YES─┼─)─┘    └─TERMerr(──┼─YES─┼─)─┘
```
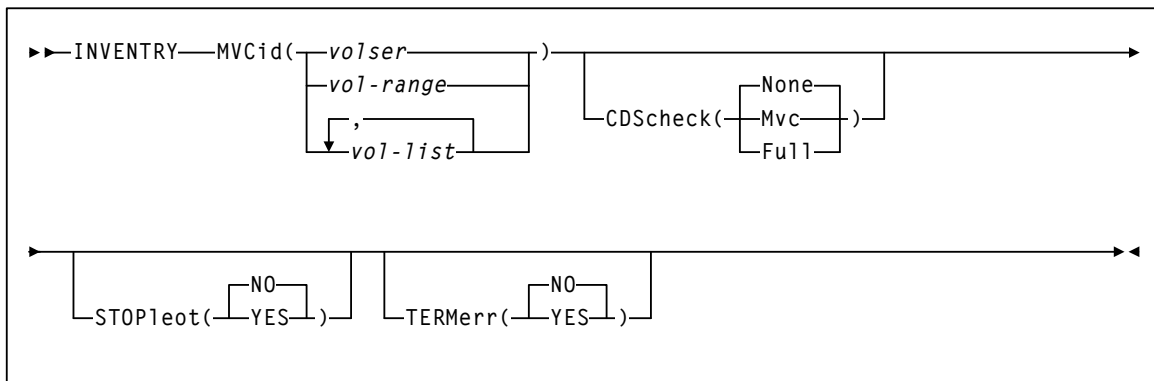
LIBGen

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─LIBGen──────────────────────────────────────────────────────────◄
```
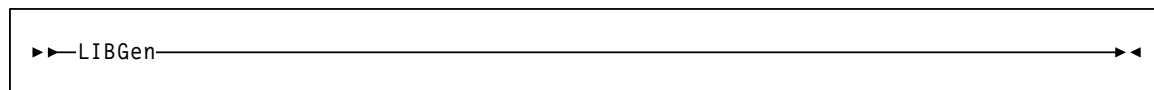
LMUPDEF

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──LMUPATH──ACS(aa)──LMUADDR(─┬──────────────────┬─)──PARTID(00n)──PING(tt)──────►◄
                               │       ,          │
                               ├──lmu_hostname────┤
                               └──nnn.nnn.nnn.nnn──┘
```
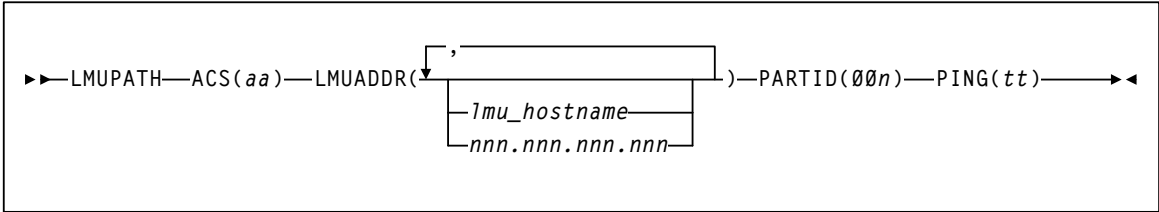
LMUPATH Control Statement

```
►►──LMUPATH──ACS(aa)──LMUADDR(─┬──────────────────┬─)──PARTID(00n)──PING(tt)──────►◄
                               │       ,          │
                               ├──lmu_hostname────┤
                               └──nnn.nnn.nnn.nnn──┘
```

LOGUTIL

Interfaces:
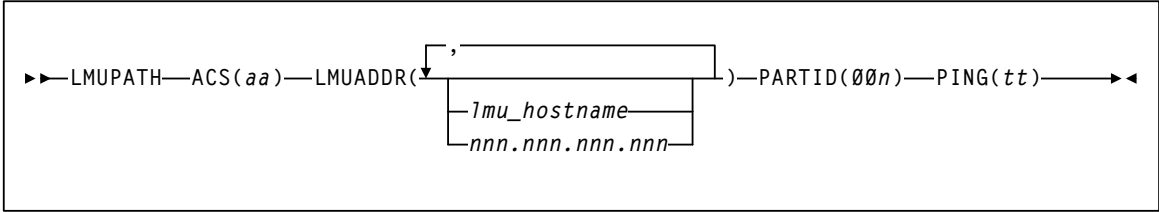
SLUADMIN utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►─LOGUTIL──LOGDD(ddname)─────────────────────────────────────────────►

  ┌─────────────────────────────────────────────────────────────┐
►─┤                                                              ├─────►
    └─FROMDATE(yyyy-mm-dd)─┬────────────────────────────┬─┘
                          │        ┌─00:00:01─┐         │
                          └─FROMTIME(─┴─hh:mm:ss─┴─)─┘

  ┌─────────────────────────────────────────────────────────────┐
►─┤                                                              ├─────►
    └─TODATE(yyyy-mm-dd)─┬──────────────────────────┬─┘
                        │      ┌─00:00:01─┐         │
                        └─TOTIME(─┴─hh:mm:ss─┴─)─┘

►─┬───────────────────────┬───────────────────────────────────────►◄
  └─COMMANDS(ddname)─┘
```

LOGUTIL FOR_LOSTMVC Statement

```
►►─FOR_LOSTMVC──MVC(─┬─volser───────┬─)─────────────────────────────►
                     ├─volser-range─┤
                     │ ┌──────────┐ │
                     └─▼─volser-list─┴─┘

►─┬─────────────────────────────┬──┬─────────┬──┬─────────────────┬─►◄
  └─VTV(─┬─volser───────┬─)─┘     └─SCRATCH─┘  └─COMMANDS(ddname)─┘
        ├─volser-range─┤
        │ ┌──────────┐ │
        └─▼─volser-list─┴─┘
```
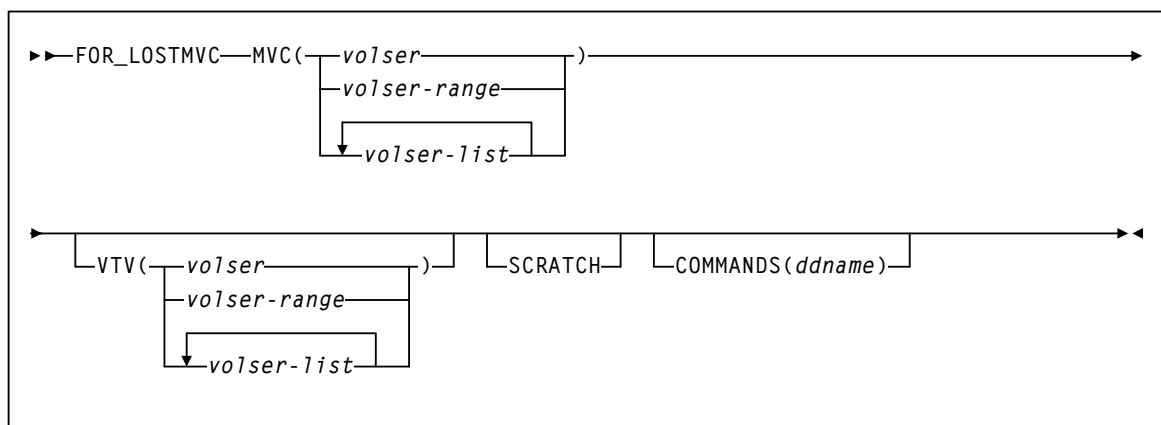
LOGUTIL GENAUDIT Statement

```
►►─GENAUDIT────────────────────────────────────────────────►◄
             └─COMMANDS(ddname)─┘
```

LOGUTIL LOCATE_VTV

```
►►─LOCATE_VTV──────────────────────────────────────────────────►
              └─VTV(──┬─volser───────┬──)─┘
                      ├─volser-range─┤
                      │ ┌──────────┐ │
                      └─▼─volser-list─┘

►──┬──────────────────┬──┬───────────────────────────────┬──►◄
   └─COMMANDS(ddname)─┘  ├─VERSION(──┬─-1─┬──)─┤
                         │           └─-nn─┘   │
                         └─DATE(yyy-mm-dd)──TIME(hh:mm:ss)─┘
```
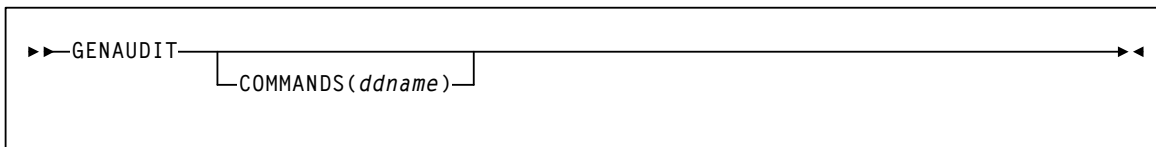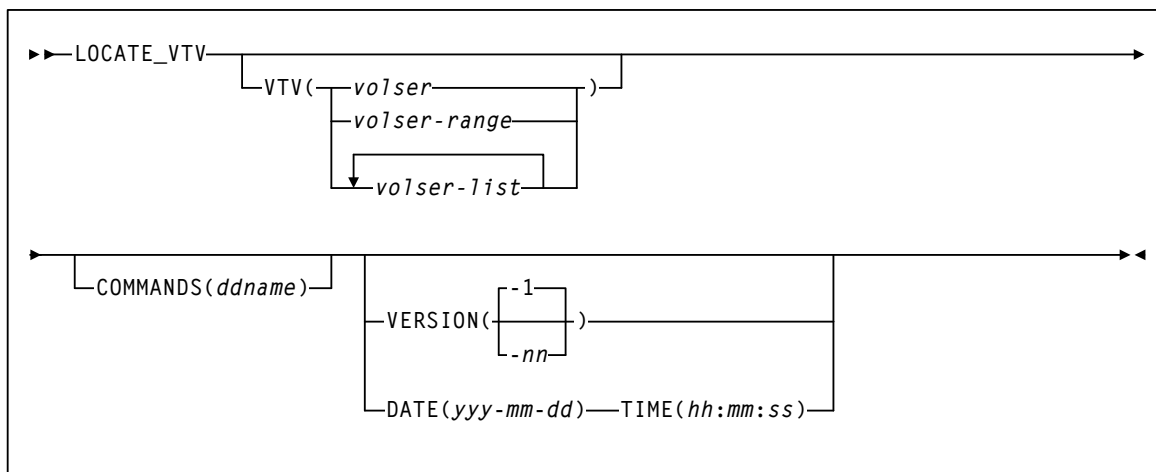
LOGUTIL UNDELETE Statement

```
►►─UNDELETE──VTV(──┬─volser───────┬──)──┬──────────────────┬──►◄
                   ├─volser-range─┤     └─COMMANDS(ddname)─┘
                   │ ┌──────────┐ │
                   └─▼─volser-list─┘
```
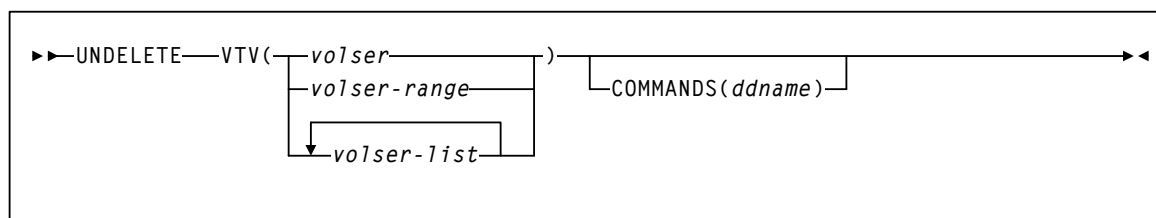
MERGEcds

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC at BASE service level only

```
►►─MERGEcds─────────┬─────────┬──┬─────┬──┬─────────┬──┬───────┬──────────►◄
                    └─VALIDate─┘  └─ALL─┘  └─DELVirt─┘  └─NOMSG─┘
```

**Note: If ALL is not specified, MERGEcds reads the parameters specified in the
    SLSMERGE DD statement.**

SLSMERGE Control Statement

For REAL volumes:

```
►►─MERGE──────┬─FACS(acs-id)────TACS(acs-id)─────┬────────────────────────►◄
              ├─FLSM(lsm-id)────TLSM(lsm-id)──────┤
              ├─ALLREAL───────────────────────────┤
              └─NOREAL────────────────────────────┘
```
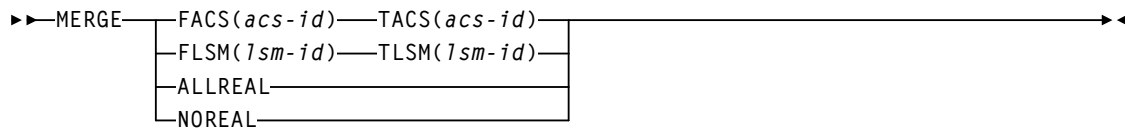
If the CDS contains VIRTUAL data:

```
►►─MERGE──────┬─FVTSS(vtss-name)───TVTSS(vtss-name)─┬──────────────────────►◄
              ├─ALLVIRT──────────────────────────────┤
              └─NOVIRT───────────────────────────────┘
```
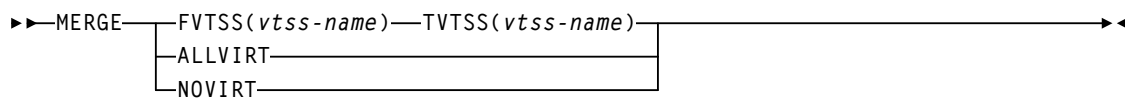
If the CDS contains VAULT data:

```
►►─MERGE──────┬─FVAULT(vault-name)───TVAULT(vault-name)─┬──────────────────►◄
              ├─ALLVALT───────────────────────────────────┤
              └─NOVALT─────────────────────────────────────┘
```
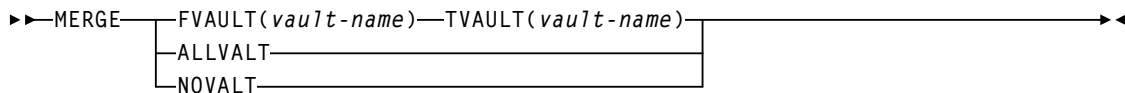
MERGMFST

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►──MERGMFST────MERGEIN(manifin)──MERGEOUT(manifout)──────────────────────►◄
```

METAdata

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►──METAdata──────────────────────────────────────────────────►◄
              └─command-name─┘
```

MGMTDEF

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──MGMTDEF──┬─DATASET(dataset-name)─┬──┬────────────────┬──┬───────────────┬──►
             └─DSN(dataset-name)─────┘  └─VOLume(volser)─┘  └─UNIT(unitname)─┘

  ►──┬──────────────────────┬──────────────────────────────────────────────►◄
     │  ┌──────────────────┐ │
     └──▼─HOSTID(host-id)─┴─┘
```

MGMTclas Control Statement

```
►►─MGMTclas──NAME(mgmt-class-name)──────────────────────────────────────────
                                    └─ACSlist(acs-id │ acs-id,acs-id)─┘

  ►──────────────────────────────────────────────────────────────────────────
   └─ARCHAge(nnn)──ARCHPol(s1 │ s1,s2 │ s1,s2,s3 │ s1,s2,s3,s4)─┘

  ►────────────────────────────────────────────────────────────────────────
   └─CONSRC(stor-class-name)─┘ └─CONTGT(stor-class-name)─┘           ┌─NO────┐
                                                          └─DELSCR(──┼─YES───┼──)─┘
                                                                     └─FORCE─┘

  ►──────────────────────────────────────────────────────────────────────────
                      ┌─9999─┐      ┌─NO──┐
   └─DISCARD=─────────┼──────┼─┐ ┌─DUPLEX(─┼─YES─┼──)───────────────────────────┘
                      └─nnnn─┘   └─MIGpol(s1 │ s1,s2 │ s1,s2,s3 │ s1,s2,s3,s4)─┘

  ►──────────────────────────────────────────────────────────────────────────
   └─EEXpol(s1│s1,s2)─┘            ┌─9999─┐
                       └─IMMDELAY=─┼──────┼─┘
                                   └─nnnn─┘

  ►──────────────────────────────────────────────────────────────────────────
   └─MAXVtvsz(400 │ 800 │ 2000 │ 4000)─┘   └─NOMIGRAT─┘

  ►──────────────────────────────────────────────────────────────────────►◄
         ┌─NO───────┐
   └─REPlicat(─┼─YES──────┼──)─┘ └─RESTIME(nnnn)─┘ └─VTVPAGE(STANDard │ LARGE)─┘
         └─YES_SYNC─┘
```

MIGRSEL Control Statement

```
►►─MIGRSEL────────────────────────────────────────────────────────────────
            └─STORclas(stor-clas-name)─┘ └─VTSS(vtssname)─┘

  ►──────────────────────────────────────────────────────────────────────
          ┌──────,──────┐
   └─HOST(─▼─host-id─────┴─)─┘ └─FUNCtion(IMMED│AUTO│RECLAIM│DEMAND)─┘

  ►──────────────────────────────────────────────────────────────────────►◄
              ┌─999─┐              ┌─Ø─┐              ┌─99─┐
   └─IMMWAIT(─┼─────┼─)─┘ └─SCHPREF(┼───┼─)─┘ └─SCHLIMIT(┼────┼─)─┘
              └─nnn─┘              └─n─┘              └─nn─┘
```

MIGRVTV Control Statement

```
►►─MIGRVTV──────────────────────────────────────────────────────────────►
              └─MGMTclas(mgmt-clas-name)─┘  └─VTSS(vtssname)─┘

►────────────────────────────────────────────────────────────────────────►◄
        └─STORclas(stor-clas-name)─┘                    ┌─9999─┐
                                      └─IMMDELAY(──┴─nnnn─┴──)─┘
```
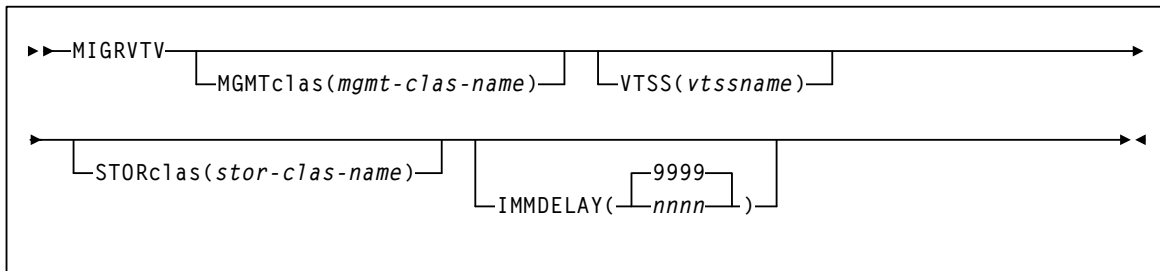
MVCATTR Control Statement

```
►►─MVCATTR──MEDIA(media-name)──SWAPTO(device-type)────────────────────────►◄
```

STORclas Control Statement

```
►►─STORclas──NAME(stor-clas-name)─────────────────────────────────────────►

►────────────────────────────────────────────────────────────────────────►
     └─ACS(acs-id)─┘ └─MEDIA(list)─┘ └─MVCPOOL(poolname)─┘ └─MIGRATE(─┬─SENDER───┬─)─┘
                                                                      ├─RECEIVER─┤
                                                                      └─EITHER───┘
     └─STORMNGR(name)────────────────────────────────────────────────────┘

     └─TAPEPLEX(name)─┐
                       │              ┌─NO─┐
                       └─SYNC(──┴─YES─┴──)─┘

►────────────────────────────────────────────────────────────────────────►◄
   └─FROMLST(vtss-list-name)─┘   └─INPLACE(─┬─NO──┬─)─┘   └─DEDUP(─┬─NO──┬─)─┘
                                            └─YES─┘                └─YES─┘
```

STORLST Control Statement

```
►►─STORLST──NAME(stor-list-name)──STORclas(──┬─stor-class-name─┬─)──────────────►
                                              └──────,──────────┘

►─────────────────────────────────────────────────────────────────────────────►◄
       ┌──5──┐
   └─PRIority(──┬─order─┬─)──┘
               └───,───┘
```

STORSEL Control Statement

```
►►─STORSEL─────────────────────────────────────────────────────────────────────►
       └─FUNCtion(function)─┘  ┌────,────┐
                            └─HOST(──┴─host-id─┴─)─┘

►──────────────────────────────────────────────STORLST(stor-list-name)─►◄
   └─MGMTclas(mgmt-class-name)─┘  └─VTSS(vtss-name)─┘
```

VTSSLST Control Statement

```
►►─VTSSLST──NAME(vtss-list-name)──VTSS(──┬─vtss-name─┬─)────────────────────────►
                                         └────,──────┘

►─────────────────────────────────────────────────────────────────────────────►◄
       ┌──5──┐
   └─PRIority(──┬─order─┬─)──┘
               └───,───┘
```

VTSSSEL Control Statement

```
►►─VTSSSEL──────────────────────────────────────────────────────────────────►
            └─FUNCtion(function)─┘   ┌──,──────┐
                                  └─HOST(─▼─host-id─┴─)─┘

►──────────────────────────────────────────────────────────────────────────►
    └─MGMTclas(mgmt-class-name)─┘   └─PREVvtss(vtss-name)─┘

►──────────────────────────────────────────────────────────────────────────►
    └─STORclas(stor-class-name)─┘   └─MVCpool(pool-name)─┘

►──────────────────────────────────────────────────────────────────────────►◄
    └─VTSSLST(vtss-list-name)─┘
```

MIGrate

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

Format 1
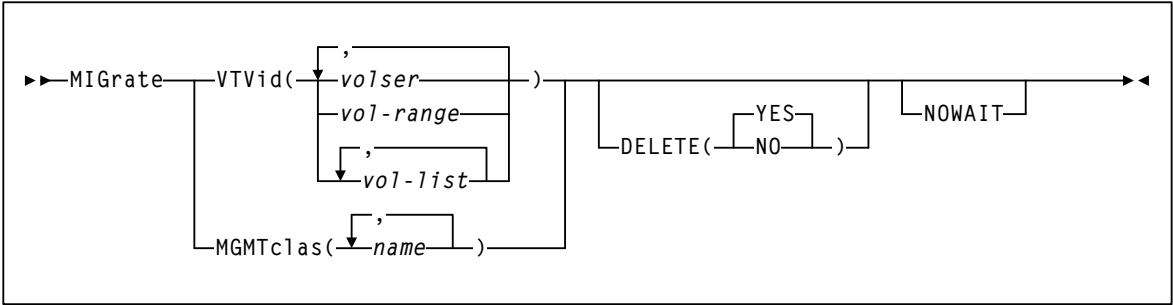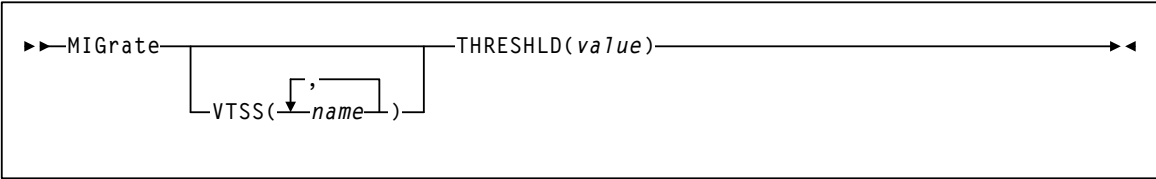
```
                         ,
                       ┌─────┐
►►──MIGrate────VTVid(──▼─volser──────)────┐         ┌──YES──┐      ┌────────┐    ►◄
              │       │─vol-range─│       └─DELETE(──┴─NO───┴─)─┘  └─NOWAIT─┘
              │       │ ,         │
              │       └▼─vol-list─┘
              │            ,
              │          ┌───┐
              └─MGMTclas(─▼─name──)─┘
```

Format 2

```
                      ,
                    ┌────┐
►►──MIGrate──┬──────────────┬──THRESHLD(value)────────────►◄
            │            │
            └─VTSS(─▼─name──)─┘
```

MNTD

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
                ,
►►─MNTD─┬──┬─AUTocln(─┬─OFf─┬─)──────────────────────────────►◄
        │  │          └─ON──┘                    ┌HOSTID(host-id)┐
        │  │                                     └───────────────┘
        │  ├─Dismount(─┬─Auto───┬─)──────────────
        │  │           └─Manual─┘
        │  ├─Ejctauto(─┬─ON──┬─)──────────────────
        │  │           ├─MSg─┤  └─ACS(acs-id)─┘
        │  │           └─OFf─┘
        │  ├─Float(─┬─ON──┬─)─────────────────────
        │  │        └─OFf─┘  └─ACS(acs-id)─┘
        │  ├─MAXclean(count)───────────────────────
        │  ├─MMount(─┬─Delete─┬─)──────────────────
        │  │         └─Reply──┘
        │  ├─PASSTHRU(count)───────────────────────
        │  ├─Scratch(─┬─Manual─┬─)─────────────────
        │  │          └─Auto───┘
        │  └─SCRDISM(─┬─CURRENT─┬─)────────────────
        │             └─ARCHIVE─┘
```

MODify

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►──┬─MODify─┬──┬─CAP───┬─cap-id─┬──┬─ONline──┬───────────────────────────►◄
    └─F──────┘  │       └─lsm-id─┘  └─OFFline─┘
               │
               │       ┌─lsm-id────┐   ┌─ONline──┐
               ├─LSM─┬─┼─lsm-range─┼─┬─┼─OFFline─┤
               │     │ │   ┌─,─┐   │ │          └─FORCE─┘
               │     │ └─(─┴─lsm-list─┴─)─┘
               │
               └─CONFIG──┬───────────────────────────────────
                         ├─RESET─┘
                         │
                         ├─ADD ACSType(─┬─SL8500─┬─)─
                         │              └─SL3000─┘
                         │
                         ├─DELete─ACSid(acs-id)─
                         └─UPDate─ACSid(acs-id)─
```
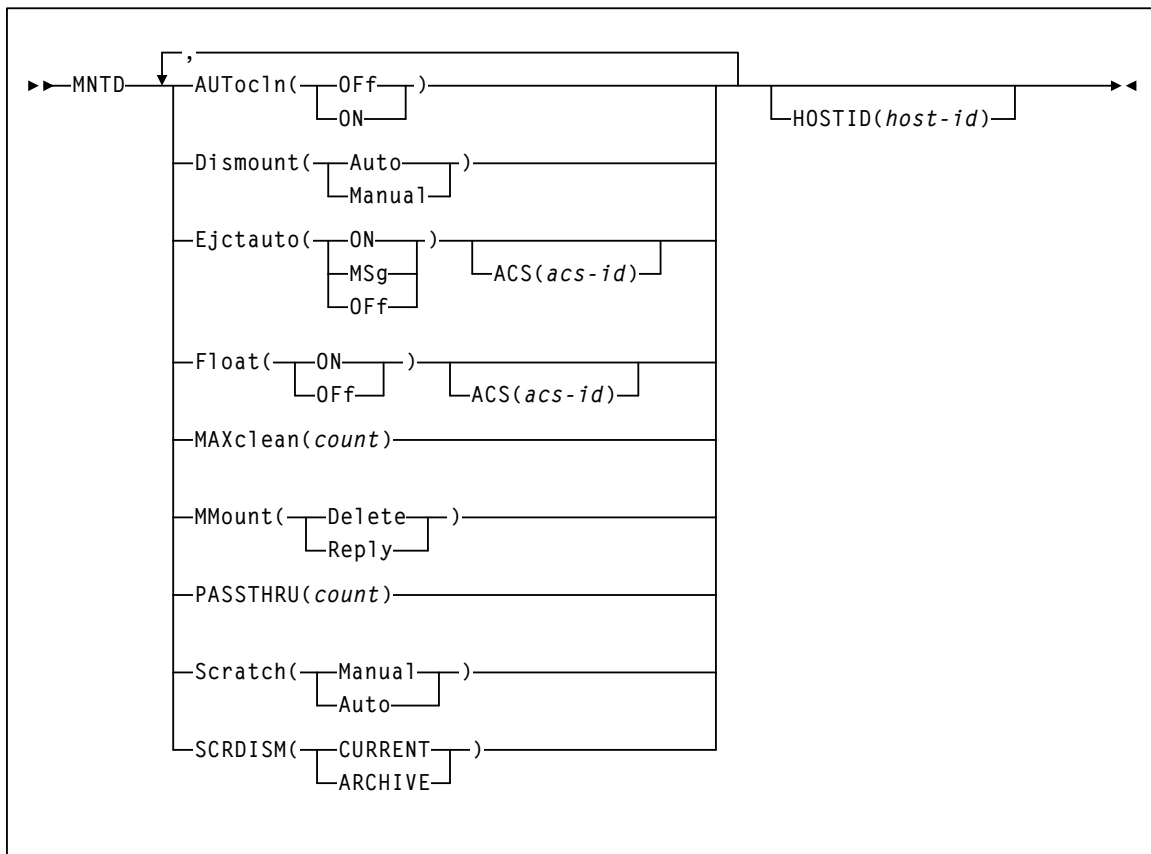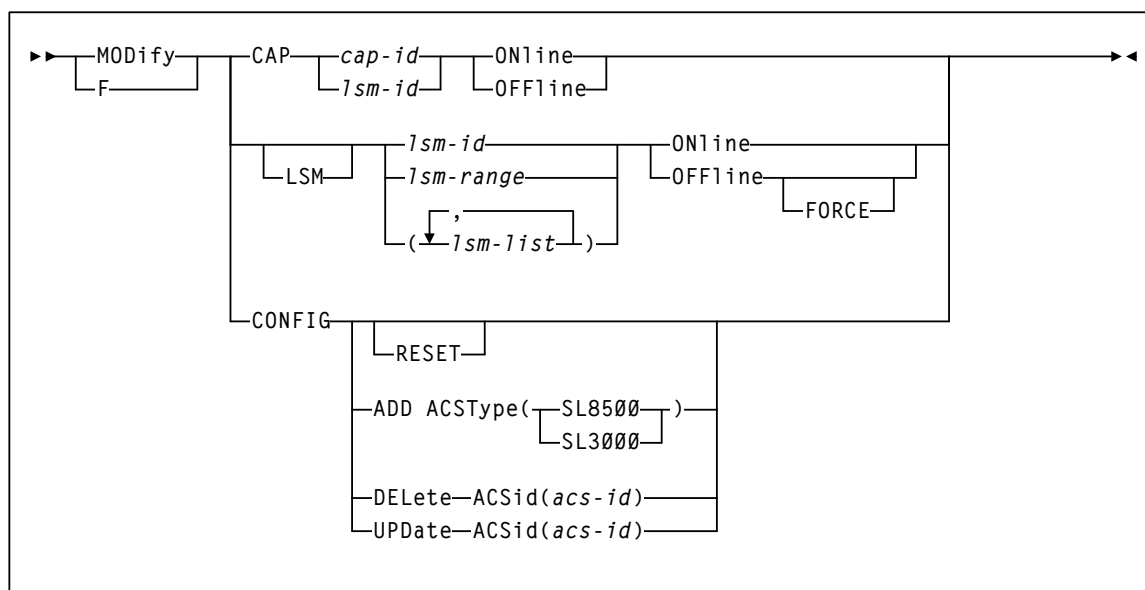
Mount

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

To mount a specific Nearline volume on a transport:

```
►►──Mount──volser──devaddr────────────────────────────────────────────◄
                          ├─────┬──────────┬─────────┬──────────┬───────
                          │  ,  │          │         │          │
                          └host-id┘    └Readonly┘ └ForceRT┘
```

To mount a scratch volume on a transport:

```
►►──Mount──────────────────────────────────────────────────────────────►

►──┬──SCRTCH──┬──devaddr──┬─────────┬──┬───────────────────────┬──┬──────────────────────┬──►◄
   └──PRIVAT──┘           └host-id──┘  └SUBpool(subpool-name)┘  └MEDia(media-type)┘
```

To mount a VTV on a VTD and optionally, assign a management class to the VTV:

```
►►──Mount──┬──volser──┬──devaddr──┬────────────────────────────┬──◄
           └──SCRTCH──┘           └MGMTclas(mgmt-clas-name)┘
```

MOVe

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
 ►►─MOVe─| Parameters |──────────────────────────────────────►◄
```
Parameters:
```
 ►──────┬─Flsm(lsm-id)──Panel(panel-list)────────────────────────────────►
        │                          ┌─Row(row-list)─┐
        │                          └───────────────┴─Column(column-list)─┘
        └─Volume(vol-list)───────────────────────────────────────────────┘

 ►──TLsm(lsm-list)───────────────────────►◄
        └─TPanel(panel)─┘
```

MVCDRain

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─MVCDRain─────MVCid(───┬──volser───┬──)──────┐         ┌─EJect─┐  ┌─CONMVC(nn)─┐
                         ├──vol-range──┤                                                  ─►
                         │   ┌─,─┐     │
                         └───┴─vol-list─┘
              ├─MVCPOOL(poolname)───────────┤
              └─STORCLAS(stor-clas-name)──┘

►───────────┬─────────────────┬───┌─NOWAIT─┐  ┌─WARRANTY─┐  ┌─RETIRED─┐  ┌─ERROR─┐─────►
            │          ┌─NO──┐ │
            └─RECALWER(─┼─────┼─)─┘
                        └─YES─┘

►──┬──────────┬──────────────────────────────────────────────────────────────────►◄
   └─DATACHK─┘
```
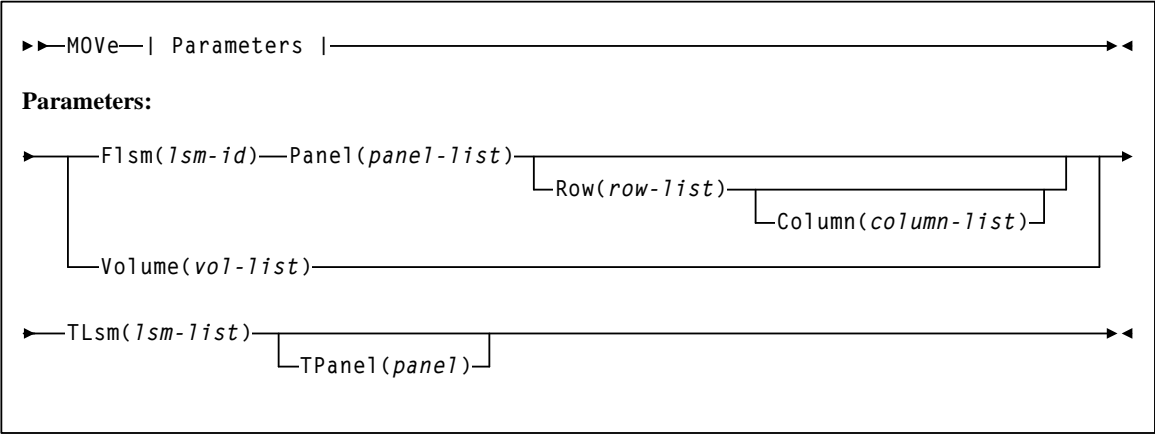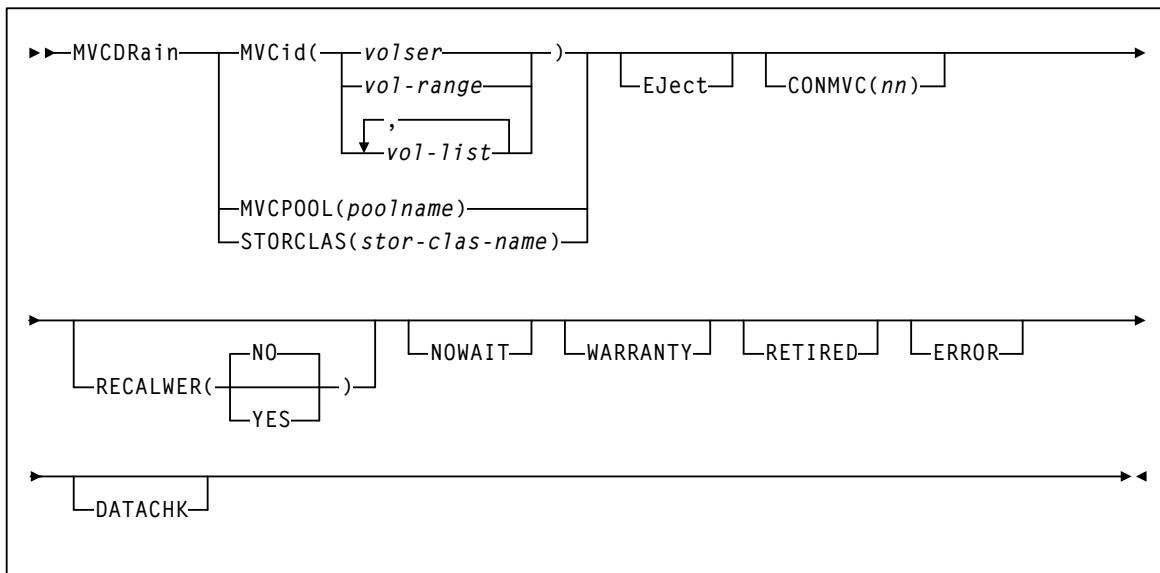
MVCMAINT

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

- Active HSC/VTCS required if RENVTSS is specified
- Can run in batch-only mode when there are no hosts active (on any LPAR) using the CDS that is to be updated
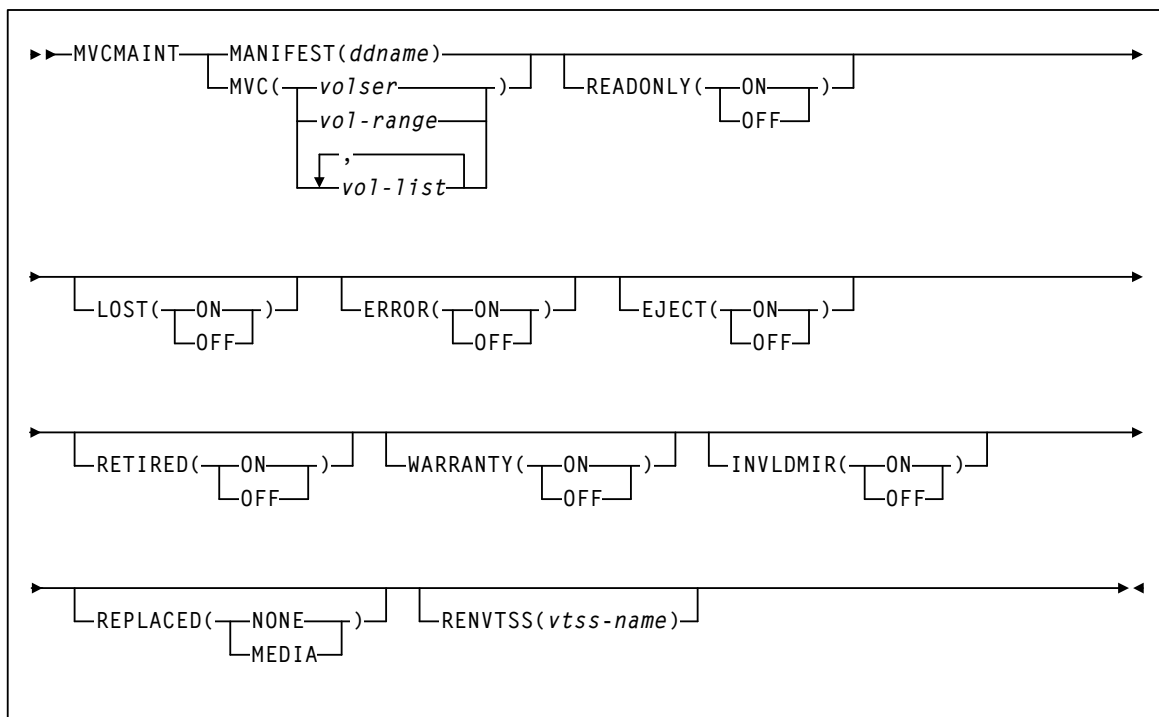
```
►►─MVCMAINT──┬─MANIFEST(ddname)────────┬──┬────────────────────┬─────────►
             └─MVC(─┬─volser──────┬─)──┘  └─READONLY(─┬─ON──┬─)─┘
                    ├─vol-range───┤                   └─OFF─┘
                    │   ┌─,─────┐ │
                    └───▼─vol-list─┘

►──┬────────────────────┬──┬─────────────────────┬──┬────────────────────┬──►
   └─LOST(─┬─ON──┬─)─────┘  └─ERROR(─┬─ON──┬─)────┘  └─EJECT(─┬─ON──┬─)────┘
           └─OFF─┘                   └─OFF─┘                  └─OFF─┘

►──┬────────────────────┬──┬──────────────────────┬──┬──────────────────────┬──►
   └─RETIRED(─┬─ON──┬─)──┘  └─WARRANTY(─┬─ON──┬─)──┘  └─INVLDMIR(─┬─ON──┬─)──┘
             └─OFF─┘                    └─OFF─┘                   └─OFF─┘

►──┬──────────────────────────┬──┬──────────────────────┬─────────────────►◄
   └─REPLACED(─┬─NONE──┬─)─────┘  └─RENVTSS(vtss-name)───┘
              └─MEDIA─┘
```

MVCPLRPT

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►──MVCPLRPT──────────────────────────────────────────────────┬──DETail──┬──►◄
              └─MVCPOOL(poolname)─┘  └─STORCLAS(stor-clas-name)─┘  └─SUMmary──┘
```

MVCRPt

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►──MVCRPt──┬──────────────────────────────┬──┬──────┬──┬───────────────────┬──►
            │         ┌─volser──────┐       │  └─ALL─┘  └─MANIFEST(ddname)──┘
            ├─MVCid(──┼─vol-range───┼──)─────┤
            │         │    ┌─,─┐     │       │
            │         └────┴─vol-list─┘      │
            └─STORclas(storage-clas-name)────┘

►──┬─────────┬──┬────────┬──┬───────────┬──►◄
   └─DETail──┘  └─CHECK──┘  └─WRITABLE──┘
```
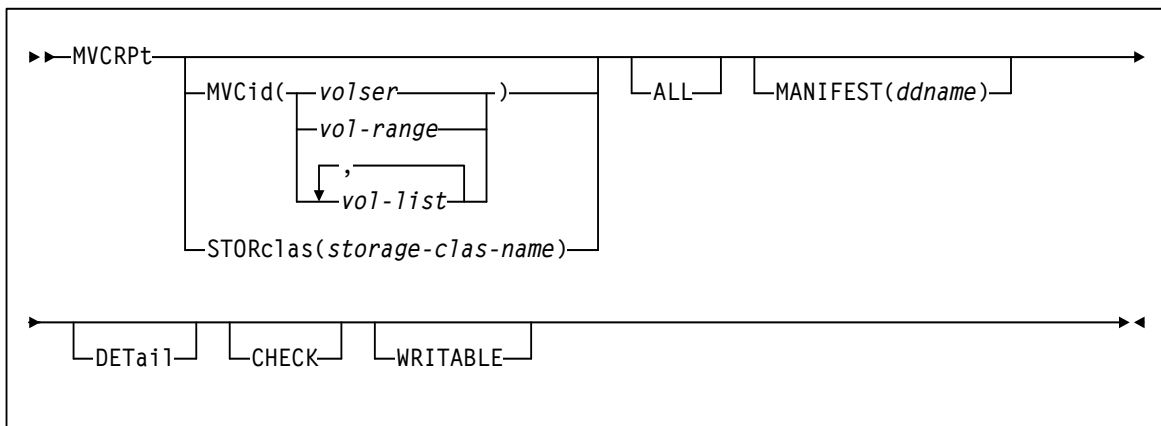
OFFload LOGFILE

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─OFFLOAD─LOGFILE────────────────────────────────────────────►◄
                 └─LOGDSN(primary-log-file-dsn)─┘  └─RESTART─┘
```
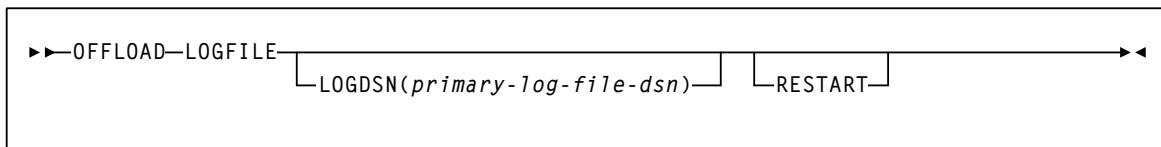
OPTION TITLE Control Statement
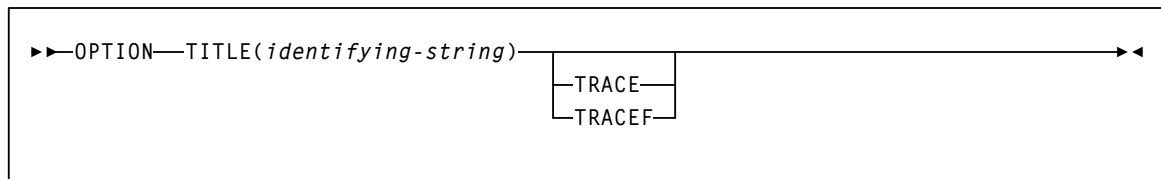
```
►►─OPTION──TITLE(identifying-string)──────────────────────────►◄
                                     ├─TRACE──┤
                                     └─TRACEF─┘
```

OPTion

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──OPTion──┬─────────────────────────────────────────────────┬──────────────────────────┬──►◄
            │           ┌──,──┐                                │                          │
            │           ▼     │    ┌─Off─────┐                 │    ┌─HOSTID(host-id)─┐
            ├──Dialog(──┬─────┬───┬─Both────┬──)───────────────┤────┴─────────────────┘
            │           │     │   ├─Console─┤
            │           │         └─Log─────┘
            │
            │   ┌──────SHow──────┐
            ├──DISCmsg(──┬─SHow─────┬──)──┬──────────────────┬──
            │            └─SUppress─┘     └─ACS(acs-id)──────┘
            │          ┌─OFF─┐
            ├──DUPOFL(──┴─ON──┴──)────────────────────────────
            │
            ├──EJLimit(count)────────────────────────────────
            │          ┌─Manual─┐
            ├──ENTdup(──┴─Auto───┴──)─────────────────────────
            │          ┌─Upper─┐
            ├──Output(──┴─Mixed─┴──)──────────────────────────
            │          ┌─Yes───┐
            ├──Repath(──┼─No────┼──)──────────────────────────
            │          └─Reply─┘
            │       ┌─ON──┐
            ├──SEN(──┴─OFf─┴──)───────────────────────────────
            │           ┌─nn───────┐
            ├──SUBtype(──┼─nn-range─┼──)──────────────────────
            │           │  ┌─,─┐   │
            │           └──▼nn-list┴┘
            │
            ├──Viewtime(count)───────────────────────────────
            │
            └──Warnmsg(minutes)──────────────────────────────
```

RECall

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
                             ,
▶▶─RECall──────VTVid(───volser─────────)────────────────────────────────▶
              │              ─vol-range─    │       ─NO─
              │          ,                  │   ─RECALWER(─────────)─┘
              │         ─vol-list─          │           ─YES─
              │       ,                     │
              └─MGMTCLAS(──name─)───────────┘

▶──────────────────────────────────────────────────◀
   │       ,         │  ─NOWAIT─
   └─VTSS(──name─)─┘
```
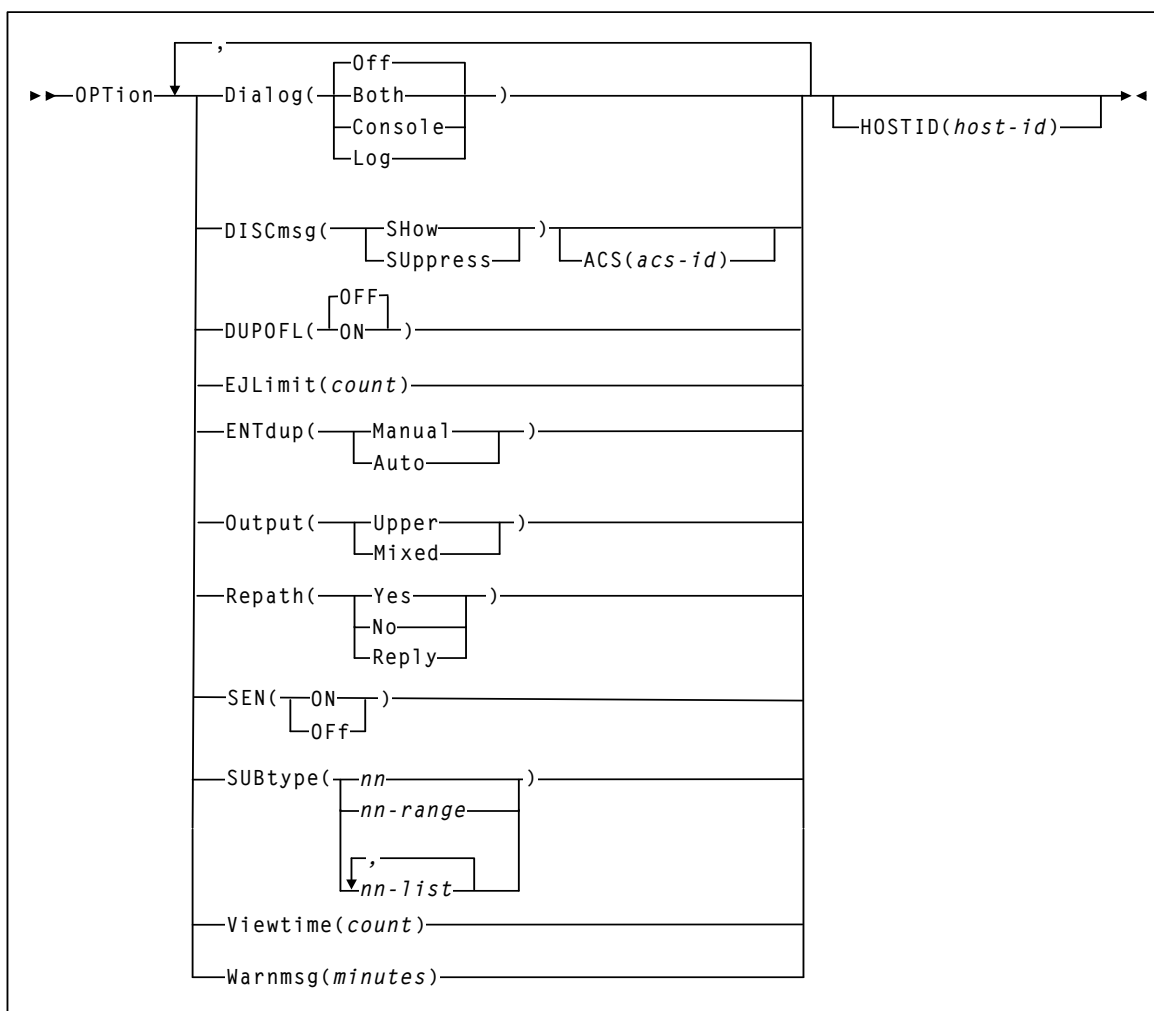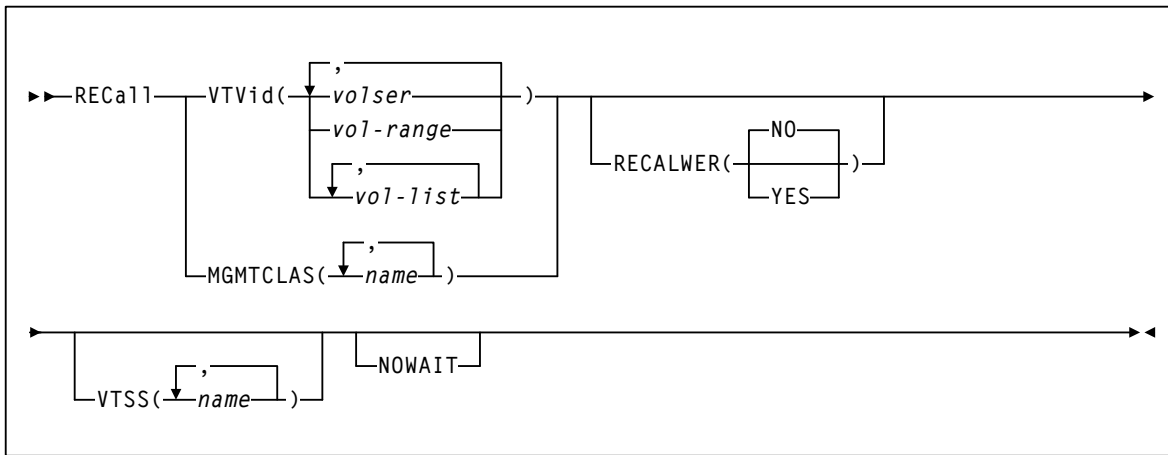
RECLaim

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─RECLaim─┬────────────────────────────┬──┬───────────┬─┬───────────┬──────────►
           ├─MVCPOOL(poolname)──────────┤  └─MAXMVC(nn)─┘ └─THRESH(nn)─┘
           ├─STORCLAS(stor-clas-name)───┤
           ├─ACSid(acs-id)──────────────┤
           └─MVC(─┬─volser────┬─)────────┘
                  ├─vol-range─┤
                  │  ┌─,──────┐
                  └──▼─vol-list─┘

    ►─┬────────────┬──┬───────────┬──┬─────────────┬──┬────────┬──────────────►◄
      └─INPTHRSH(nn)─┘  └─CONMVC(nn)─┘  └─ELAPSE(nnnn)─┘  └─NOWAIT─┘
```
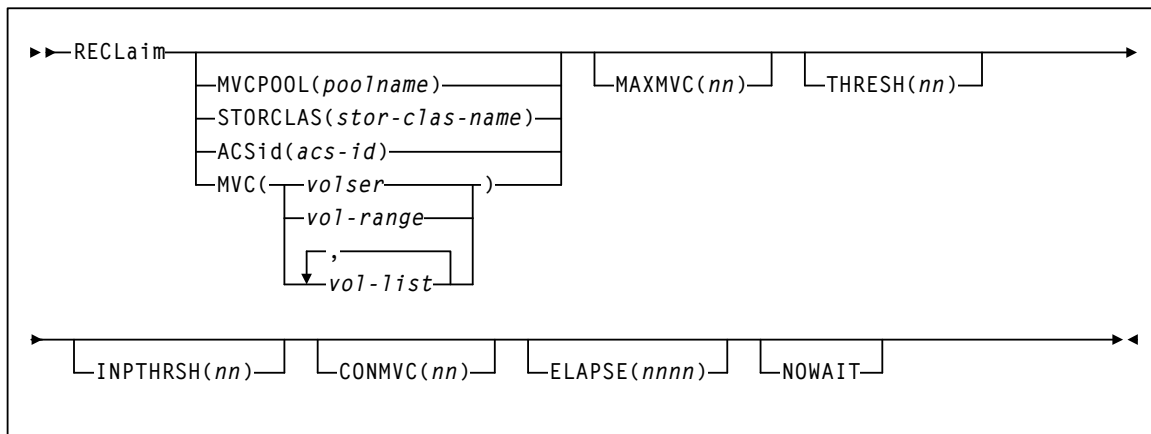
RECONcil

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─RECONcil─────────────────────────────────────────────────────────►
            ┌─STORclas(stor-class-name1...stor-clas-namen)─┐
            └─MVC(mvc-list | mvc-range)───────────────────┘

►─────────────────────────────────────────────────────────────────►
   ┌─MGMTclas(mgmt-class-name1...mgmt-clas-namen)─┐
   └─VTV(vtv-list | vtv-range)───────────────────┘

►─────────────────────────────────────────────────────────────────►◄
    ┌─MAXMVC(nn)─┐  ┌─CONMVC(nn)─┐  ┌─ELAPSE(nnnn)─┐  ┌─POLICYdd(ddname)─┐
                                                      └─MOVEVTV──────────┘
```
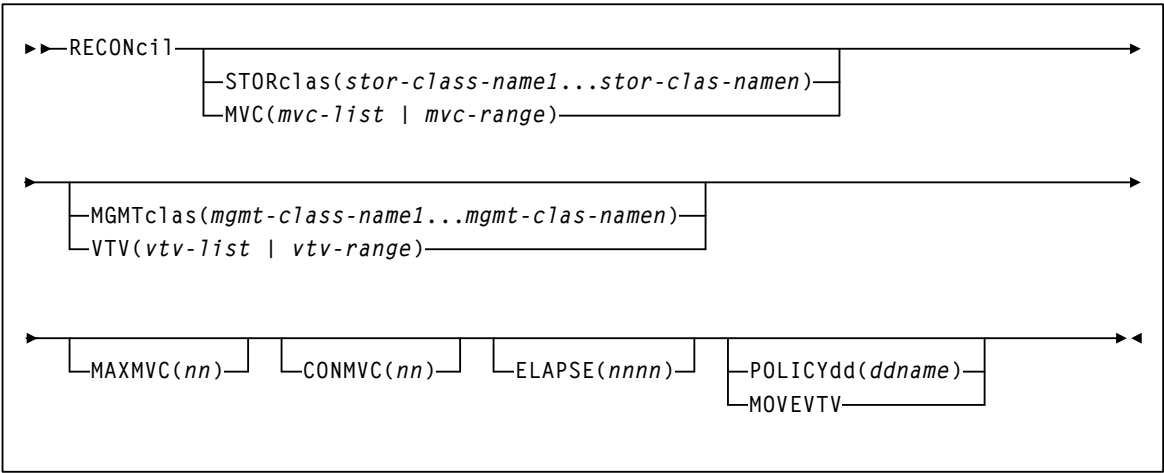
RECOVer

Interfaces:

Console or PARMLIB
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►─RECOVer─host-id───────────────────────────────────────────────►◄
                  └─FORCE─┘
```
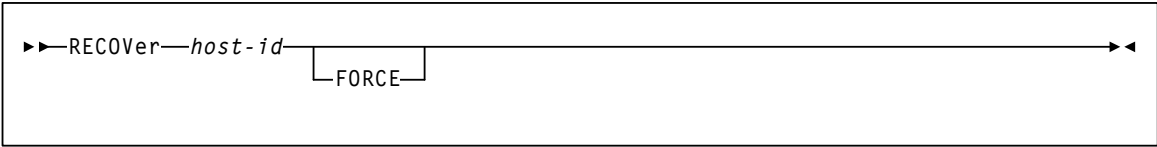
RELease

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►──RELease──cap-id─────────────────────────────────────────◄
```
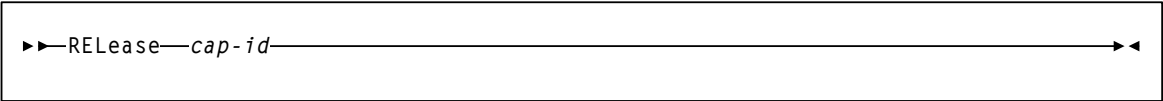
REPLaceall

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──REPLaceall───────────────────────────────────────────►◄
              │                    ,                  │
              └─VOLser(──↓──vol-list──)─┘
```
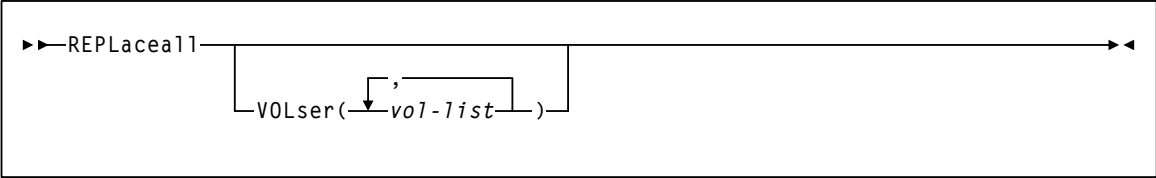
RESTore

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

HSC must be down (inactive)

```
►►─RESTore───────────────────────────────────────────────────────►◄
```
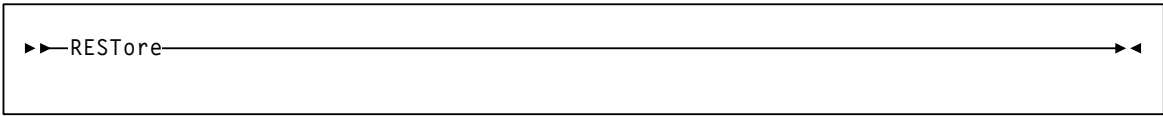
RTV Utility

Note – This VTCS utility is a standalone utility executed using the SWSRTV program.
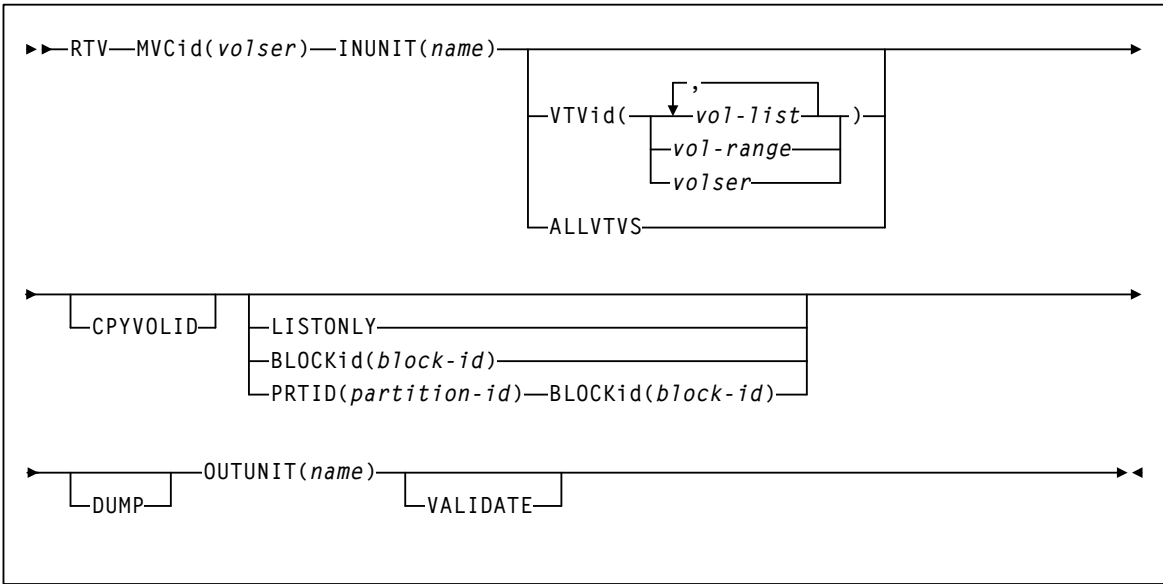
```
►►─RTV──MVCid(volser)──INUNIT(name)──────────────────────────────────►
                              │                    ,               │
                              └─VTVid(──▼─vol-list──┬─)─┘
                              │         ├─vol-range─┤
                              │         └─volser────┘
                              └─ALLVTVS──────────────┘

►──────────────────────────────────────────────────────────────────►
   └CPYVOLID┘ ┌─LISTONLY─────────────────────────────────┐
              ├─BLOCKid(block-id)──────────────────────────┤
              └─PRTID(partition-id)──BLOCKid(block-id)──────┘

►──OUTUNIT(name)──────────────────────────────────►◄
   └DUMP┘          └VALIDATE┘
```

SCRAtch

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►──SCRAtch──VOLser(──┬──────────┬──)──────────────────────────◄
                       │    ,     │
                       └◄─vol-list┘
```
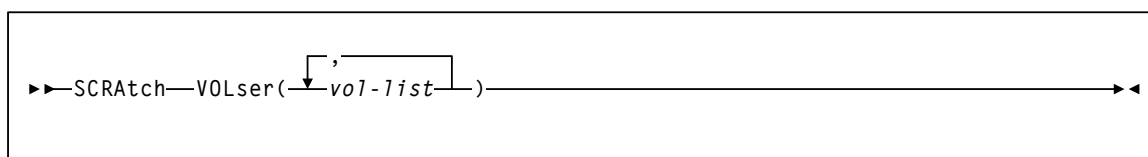
SCREdist

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►──SCREdist──ACS(acs-id)──────────────────────────────────────────────►
               └─LSM(──┬──────────┬──)─┘   └─SUBpool(subpool-name)─┘
                       │    ,     │
                       └◄─lsm-list┘

►──────────────────────────────────────────────────────────────────────►
   └─BALtol(tolerance-value)─┘  └─MEDia(media-type)─┘

►──────────────────────────────────────────────────────────────────────◄
   └─RECtech(recording-technique)─┘
```

SCRPT

Interfaces:

SLUADMIN utility only

Subsystem Requirements:

Active HSC not required. SMC must be active and communicating with at least one VLE with the deduplication feature enabled to generate data in the report output. The report must be run from an authorized library.

```
►►─SCRPT──────────────────────────────────────────────────────►◄
        └─STORclas(─┬─storage-class-name─┬─)─┘
                    │                    │
                    └←─storage-class-list─┘
```

SENter

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►─SENter──cap-id──────────────────────────────────────────────►◄
```

SET CLNPRFX

Note – HSC must be shut down on all systems before changing the cleaning prefix.

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──CLNPRFX(prefix)──────────────────────────────────────►◄
```

SET COMPRFX

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──COMPRFX(cmdhex)────────────────────────────►◄
```

SET DRVHOST

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►──SET──DRVHOST(──┬─OFF──────┬──)──────────────────────────────►◄
                   └─host-id──┘
```

SET EJCTPAS

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►──SET──EJCTPAS(──────────────)─────────────────────────────────►◄
                 └─newpswd──┘   └─,OLDPASS(oldpswd)─┘
```

SET FREEZE

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET─FREEZE(──ON───)─FORLSMID(lsm-id)──────────────────►◄
                └─OFf─┘           └─,FORPANEL(panel)─┘
```

SET HOSTID

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──HOSTID(newhost),FORHOST(oldhost)──────────────────►◄
```

SET HSCLEVel

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──HSCLEVel(OFF),FORHOST(host-id)──────────────────────────►◄
```

SET LOGFILE

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──LOGFILE(┬─primary-log-file-dsn─┬──────────────────────┬─)─────►◄
               └OFF─────────┐          ├─,secondary-log-file-dsn─┤
                            └─IMMED─┘          └─,OFF────────────┘
```

SET MAJNAME

Note – HSC must be shut down on all systems before changing the QNAME.

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

- Active HSC not required
- HSC must be shut down on all systems before changing the QNAME.

```
►►─SET──MAJNAME(qname)──────────────────────────────────────────────►◄
```

SET MIGOPT

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─SET──MIGOPT──────────────────────────────────────────────────────►
             └─VTSS(vtssname)─┘ └─MAXmig(nn)─┘ └─MINMIG(nn)─┘
►────────────────────────────────────────────────►◄
   └─HIGHthld(nn)─┘ └─LOWthld(nn)─┘
```

SET NEWHOST

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──NEWHOST(newhost),LIKEHOST(model-host)──────────────────────────►◄
```
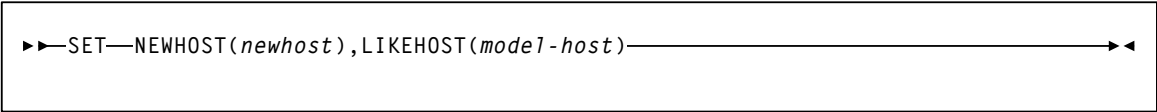
SET RMM

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC/VTCS

```
►►─SET──RMM─┬──────────┬──────────────────────────────►◄
            ├─ENable───┤
            └─DISable──┘
```
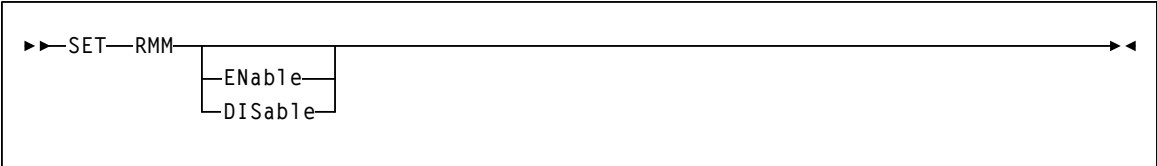
SET SCRLABL

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──SCRLABL(──┬─SL──┬──)──────────────────────────────────────►◄
                  ├─AL──┤
                  ├─NL──┤
                  └─NSL─┘
```
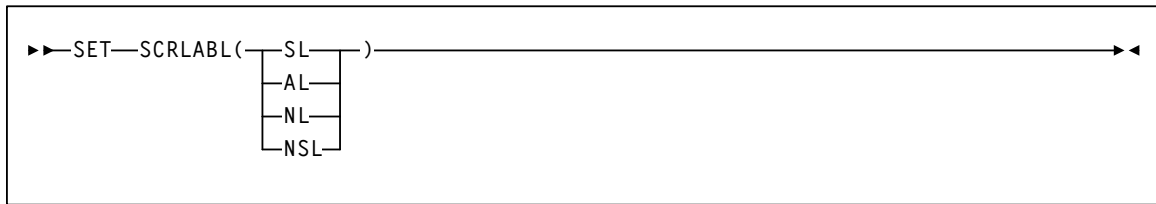
SET SLIDRIVS

Caution – For 9310 and 9740 libraries, Sun recommends you bring the HSC down on
all hosts before specifying this parameter, and recycle the HSC after every SET
SLIDRIVS operation.

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──SLIDRIVS(──┬──────────────────┬──),FORLSMID(lsm-id)──,FORPANEL(panel)──►
                   └─addr0─┬───────────┘
                           └─,...addr31─┘

►──┬──────────────────────┬──,FORHOST(host-id)────────────────────►◄
   └─,MODEL(model-type)────┘
```
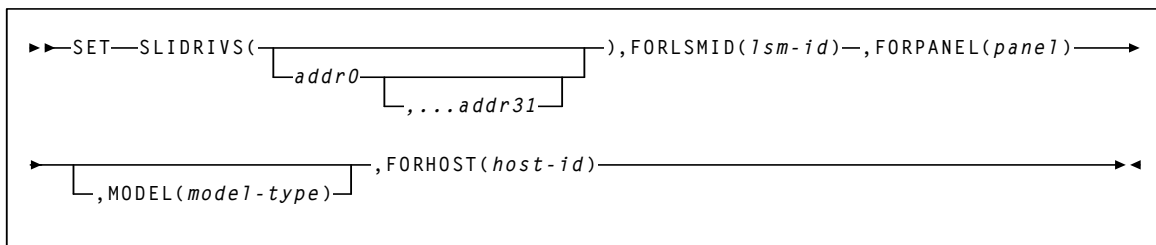
SET SLISTATN

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►──SET──SLISTATN(─────────────────)──,FORACS(acs-id)──────────────────►◄
                  └─stat1,…,stat16─┘              └─,FORHOST(host-id)─┘
```

SET SMF

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►──SET──SMF(libtype)────────────────────────────────────────►◄
```

SET TAPEPlex

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──TAPEPlex(tapeplex-name)────────────────────────────────►◄
```

SET TCHNIQE

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──TCHNIQE(──NONE─────────)──────────────────────────────►◄
                 ├─JOURNAL─┤
                 ├─SHADOW──┤
                 ├─BOTH────┤
                 ├─STANDBY─┤
                 └─ALL─────┘
```

SET VAULT

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET───────────────────────────────────────────────────────────────►

►─VAULT─┬──────────────────────────────────────────────────────────┬─►◄
        │ ┌─ADD─NAME(cccc)─SLOTS(nnnn)─┬────────────────────────────┐ │
        │ │                            └─DESC(aaaa)─TMSNAME(bbbb)───┘ │
        │ ├─DEL─NAME(cccc)─────────────────────────────────────────┤ │
        │ └─MOD─NAME(cccc)─┬────────────────────────────────────────┤ │
        │                  └─SLOTS(nnnn)─DESC(aaaa)─TMSNAME(bbbb)─NEWNAME(cccc)─┘ │
```
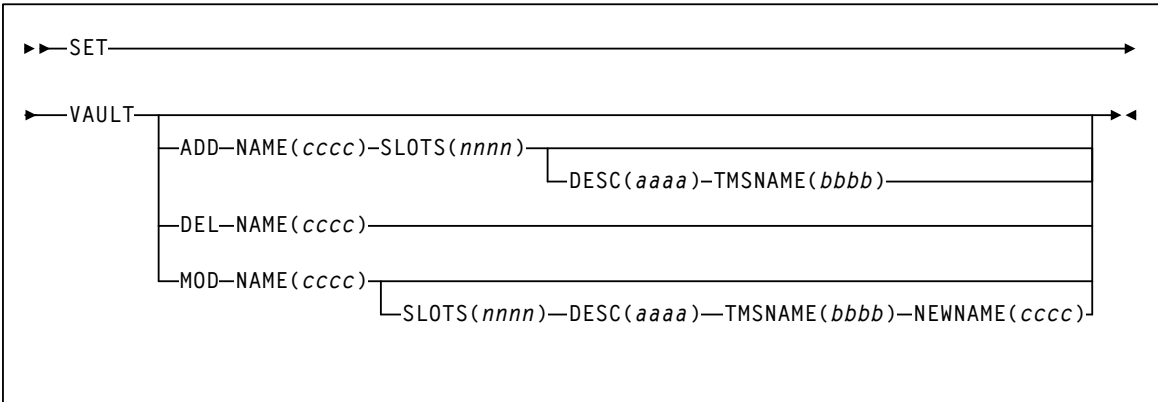
SET VAULTVOL

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──VAULTVOL──NBRVOLS─(nnnnnn)──────────────────────────────────►◄
```
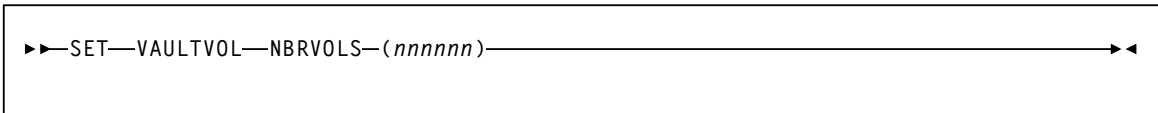
SET VOLPARM

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─SET──VOLPARM──────────────────────────────────────────────►◄
                    ┌─NO──┐
              └─APPLY(──┴─────┴──)─┘
                    └─YES─┘
```

POOLPARM Control Statement

```
►►──POOLPARM──| TYPE Parameters |────────────────────────────►◄
```

TYPE Parameters:

```
├──TYPE(SCRATCH)──NAME(nnnn)──────────────────────────────────────┤
                    │                         ┌─SL─┐      ┌─DRTEST─┐
                    │        ┌──,──┐           ├─NL─┤
                    └─HOSTid(─┴hostid─┘─┘   └─LABEL(─┼─AL─┼─)─┘
                                                     └─NSL─┘
```

```
├──TYPE(CLEAN)─────────────────────────────────────────────────────┤
              └─MAXclean(nn)─┘
```

```
├──TYPE(MVC)───────────────────────────────────────────────────────►
            └─NAME(nnnn)─┘  └─DRTEST─┘  └─INITMVC(─┬─YES─┬─)─┘
                                                   └─NO──┘
```

```
►──┬─MVCFREE(nn)─┐ ┌─MAXMVC(nn)─┐ ┌─START(nn)─┐ ┌─THRESH(nn)─┐ ┌─INPTHRSH(nn)─┐─┤
   │                                                                            │
   │            ┌─AUTo────────┐                                                 │
   ├─RECLaim(──┼─DEMand───────┼─                                                │
   │           ├─REPortonly───┤                                                 │
   │           └─NONe─────────┘                                                 │
   │                                                                            │
   ├─NORECLAM───────────────────────────────────────────────────────────────────┤
   └─NOMIGRAT───────────────────────────────────────────────────
```

```
├──TYPE(EXTERNAL)──NAME(nnnn)──────────────────────────────────────┤
                            └─OWNRPLEX(tapeplex-name)─┘
```
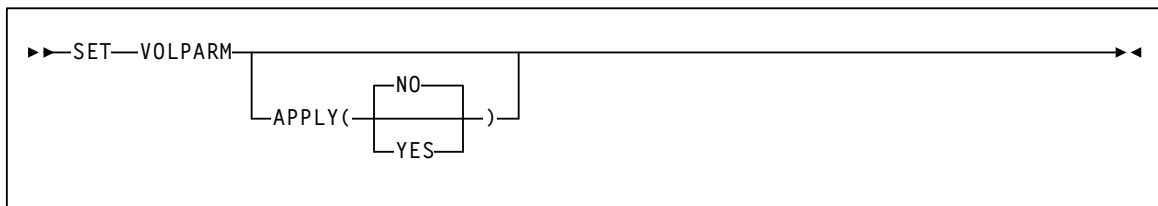
VOLPARM Control Statement

```
►►─VOLPARM─VOLSER(─┬─volser────┬─)──────────────────────────►
                   ├─vol-range─┤  └─MEDia(media-type)─┘
                   │  ┌─,──────┐│
                   └──▼─vol-list┘

►──┬──────────────────────────────┬─┬─────────┬─┬────────┬─►◄
   └─RECtech(recording-technique)─┘ └─INITSCR─┘ └─DRTEST─┘
```
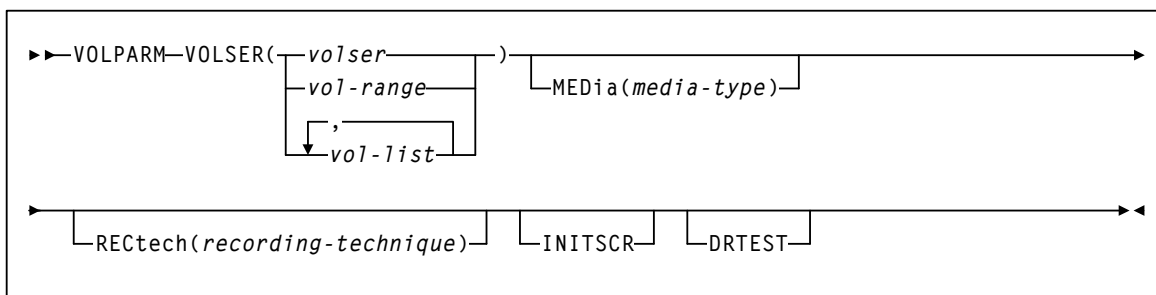
SRVlev

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─SRVlev─┬─BASE─┬─────────────────────────────────────────►◄
          └─FULL─┘
```
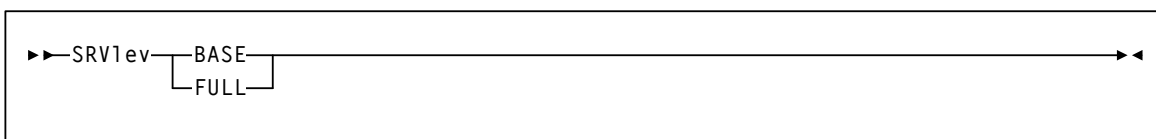
STOPMN

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─┬─STOPMN─┬─PGMI─┬──────────────────────────┬──────────────────────►◄
   └─PM─────┘      └─,L(─┬──────┬─)───────────┘
                         ├─cc───┤
                         └─name─┘
```

SWitch

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
►►─SWitch─┬────────────────────┬─────┬──────────────────┬─►◄
          ├─Acs acs-id⁽¹⁾──────┤     └─LIBrary lib-id───┘
          └─RESET──────────────┘
```

Note:
(1) ACS *acs-id* is optional in a single-ACS environment; it is required in a multiple-ACS environment.

TRace

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─TRace─────────────comp-name──────────────────────────────►◄
          └─OFF─┘   ┌─────,──────┐
                    └▼─comp-list─┘
```
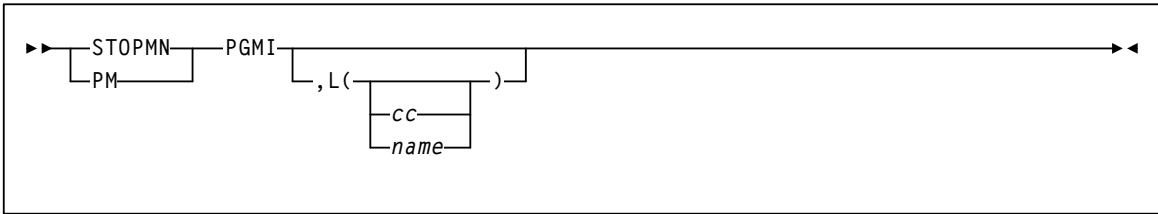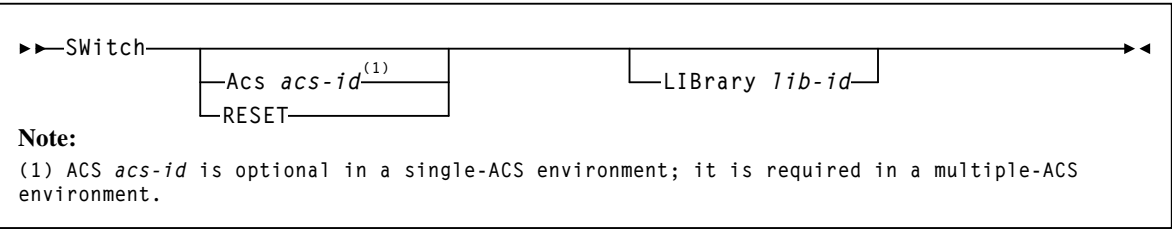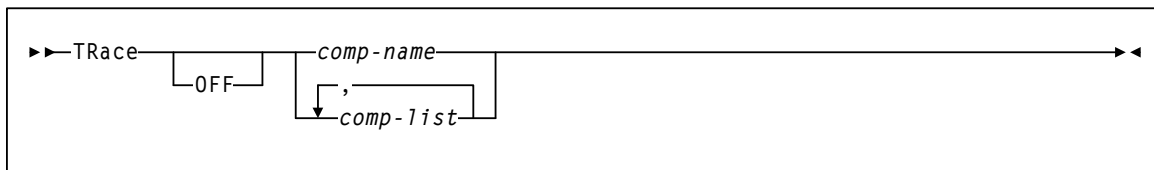
TRACELKP

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─TRACELKP──────────────────────────────────────────────────►◄
            ┌──table-name──────┐
            │  ┌─────,──────┐   │
            ├──▼─table-list─┤
            └─OFF──table-name──┘
```

UEXIT

UEXIT

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─UEXIT──┬─nn──┬─Load(──┬─SLSUXnn─┬──)──┬─,Enable──┬──────────────►◄
          │     │        └─name────┘     └─,Disable─┘
          │     ├─Enable──────────────────────────────┤
          │     └─Disable─────────────────────────────┘
          │
          ├─nn────────┬─Query──────────────────┘
          ├─nn-range──┤
          │    ┌─,───┐
          └─(──▼─nn-list─┴──)─┘
```
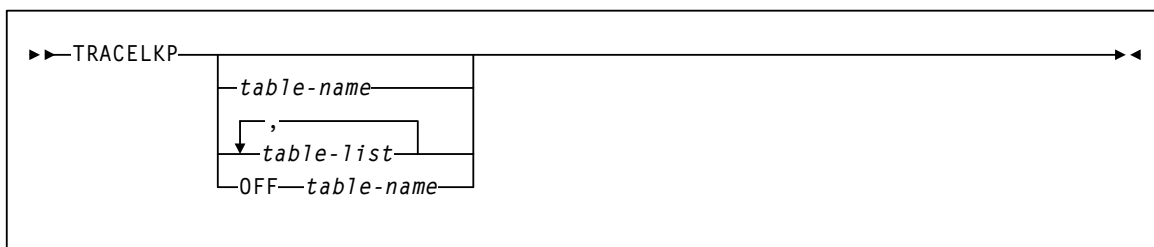
UNSCratch

Interfaces:

Console or utility
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
            ┌─,──────┐
►►─UNSCratch──VOLser(──▼─vol-list─┴──)────────────────────────────►◄
```
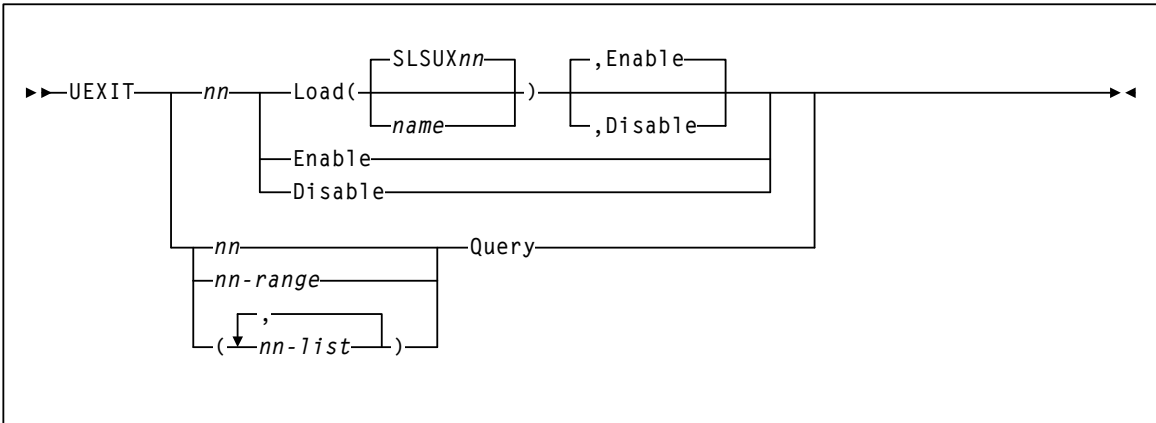
UNSElect

Interfaces:

SLUADMIN utility only
UUI: No

Subsystem Requirements:

Active HSC not required

```
►►─UNSElect───VOLser(volser)──────────────────────────────────►◄
                            └─,FORCE─┘
```
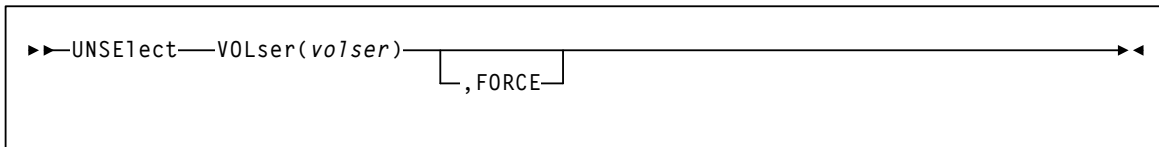
Vary

Interfaces:

- Console or PARMLIB (Vary ACS)
- Console or utility, UUI All (Vary CLINK, RTD, or VTSS)

UUI: Yes

Subsystem Requirements:

- Active HSC at FULL service level (Vary ACS)
- Active HSC/VTCS (Vary CLINK, RTD, or VTSS)
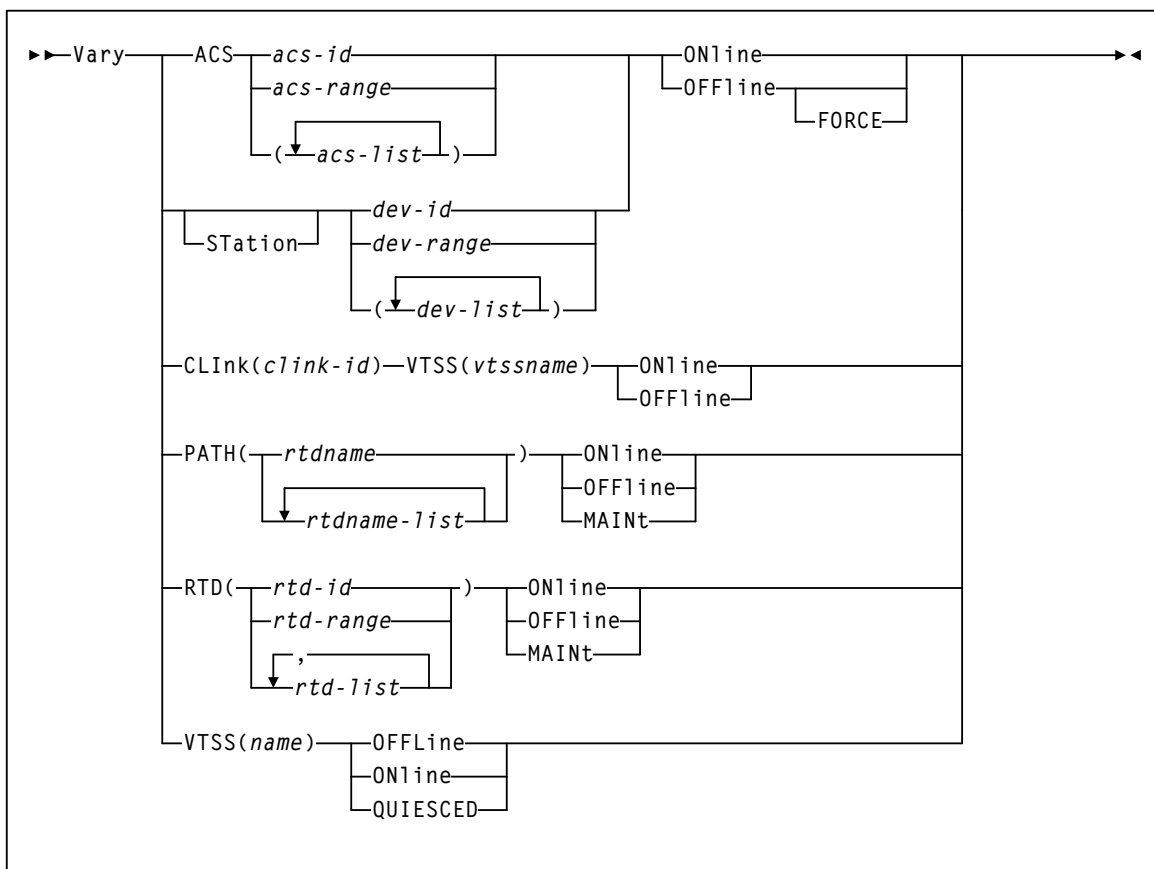
VIew

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at FULL service level

```
                  ┌─CAPID(ØØ:ØØ:ØØ)─┐  ┌─Row(ØØ)─┐  ┌─Column(ØØ)─┐
 ►►─VIew──┬─CAp───┼─CAPID(cap-id)───┼──┴─Row(rr)─┴──┴─Column(cc)─┴──────────►
 │        │       └─Lsm(lsm-id)─────┘
 │        │
 │        │       ┌─Lsm(ØØ:ØØ)──┐  ┌─Panel(ØØ:ØØ)─┐  ┌─Row(ØØ:ØØ)─┐  ┌─Column(ØØ:ØØ)─┐
 │        ├─CEll──┴─Lsm(lsm-id)─┴──┴─Panel(pp)────┴──┴─Row(rr)────┴──┴─Column(cc)────┴─
 │        │
 │        ├─DRive──Address(xxx)────────────────────
 │        │                      └─Host(host-id)─┘
 │        │
 │        │          ┌─Lsm(ØØ:ØØ)──┐  ┌─Column(ØØ:ØØ)─┐
 │        ├─PLaygrnd─┴─Lsm(lsm-id)─┴──┴─Column(cc)────┴──────────
 │        │
 │        │       ┌─Lsm(ØØ:ØØ)──┐             ┌─Column(Ø)─┐
 │        └─PTp───┴─Lsm(lsm-id)─┴──┴─Xlsm(ll)─┴──┴─Column(c)──┴──
 │
 └───────────────────────────────────────────────────────────────◄
    └─Time(ttt)─┘
```
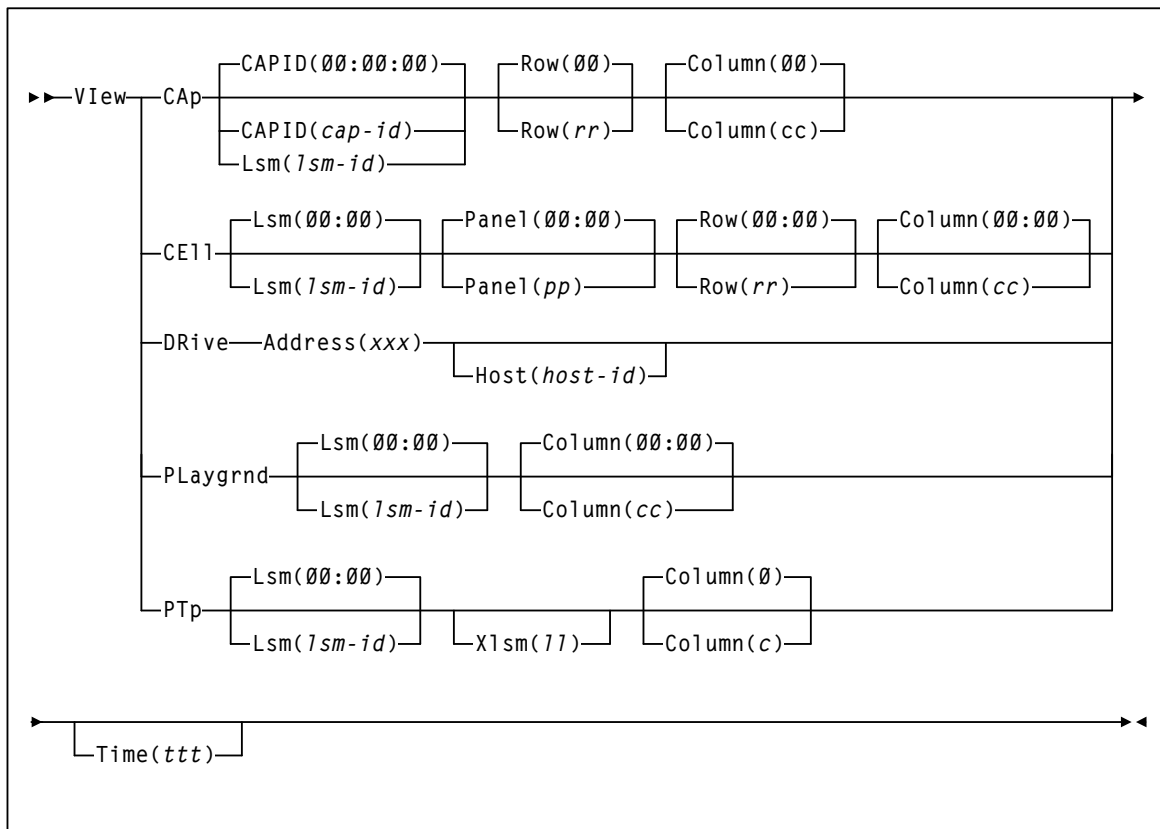
VOLPCONV

Interfaces:

SLUADMIN utility only
UUI: No
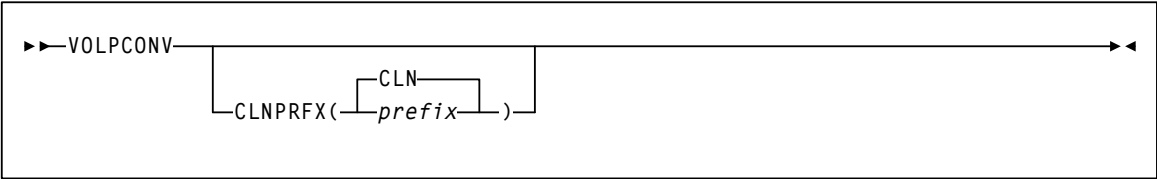
Subsystem Requirements:

Active HSC not required

```
►►─VOLPCONV─────────────────────────────────────────────────►◄
              ┌─CLN────┐
          └─CLNPRFX(──┴─prefix─┴──)─┘
```

VOLRpt

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►─VOLRpt─┬──────────────────────────────────┬──┬─SORT(─┬─VOL─┬─)─┬─ASCend──┬──────►
          ├─ACS(acs-id)─────────────────────┤  │       ├─INS─┤   └─DEScend─┘
          │        ┌──────,───────┐          │  │       ├─LOC─┤
          │        └─LSM(─▼─lsm-list─┴─)─┘    │  │       ├─SEL─┤
          │                                  │  │       ├─USE─┤
          ├─VOLser(─┬─volser────┬─)──────────┤  │       └─MWL─┘
          │         ├─vol-range─┤            │  └─NOSORT──────────────────────┘
          │         │  ┌──,──┐  │            │
          │         └──▼─vol-list─┴──┘        │
          │                                  │
          └─VOLume(─┬─volser────┬─)──────────┘
                    ├─vol-range─┤
                    │  ┌──,──┐  │
                    └──▼─vol-list─┴──┘

►──────────────────────────────────────────────────────────────────────────────────►
   ┌──────────────,──────────────┐      ┌──────────────,──────────────┐
   │              ┌──*─────┐      │      │              ┌────────┐      │
   └─INCLude(─────▼─┬─SCR──────┬─┴─)─┘  └─EXCLude(──────▼─┬─SCR──────┬─┴─)─┘
                    ├─NONSCR───┤                          ├─NONSCR───┤
                    ├─ERR──────┤                          ├─ERR──────┤
                    ├─NONERR───┤                          ├─NONERR───┤
                    ├─SEL──────┤                          ├─SEL──────┤
                    ├─NONSEL───┤                          ├─NONSEL───┤
                    ├─READable────┤                       ├─READable────┤
                    ├─UNREADable──┤                       ├─UNREADable──┤
                    ├─MEDEQUAL────┤                       ├─MEDEQUAL────┤
                    ├─NONMEDEQ────┤                       ├─NONMEDEQ────┤
                    ├─NOEXTernal──┤                       ├─NOEXTernal──┤
                    ├─MWLNA───────┤                       ├─MWLNA───────┤
                    └─MWLGE-nnn───┘                       └─MWLGE-nnn───┘

►──┬─────────────────┬─┬───────┬─┬─SUMMary(─┬─TOTal─────────┬─)─┬─┬───────┬─►◄
   └─MAXclean(nnnn)──┘ └─VAULT─┘ │          ├─SUBpool───────┤   │ └─NOVOL─┘
                                 │          └─TOTal,SUBpool─┘   │
                                 └───────────────────────────────┘
```

VTVMAINT

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC at FULL service level

```
►►──VTVMAINT────VTVid(──┬──volser────┬──)──────────────────────────────►
                        ├──vol-range──┤    └─ULINKMVC──┐
                        │   ┌──,───┐  │              └─(volser)─┘
                        └───▼─vol-list─┘

►──┬──────────────────────────────┬──┬───────────────────────────────┬──►
   └─MGMTclas(mgmt-clas-name)─┘    └─DISMOUNT──VTSSid(name)─┘

►──┬──────────────────┬──┬──────────────────┬──┬──────────────────┬──►
   └─OWNRPLEX(name)─┘    └─DELEXpot(name)─┘    └─ADDEXpot(name)─┘

►──┬──────────────────────┬──────────────────────────────────────────►◄
   └─RENVTSS(vtss-name)─┘
```
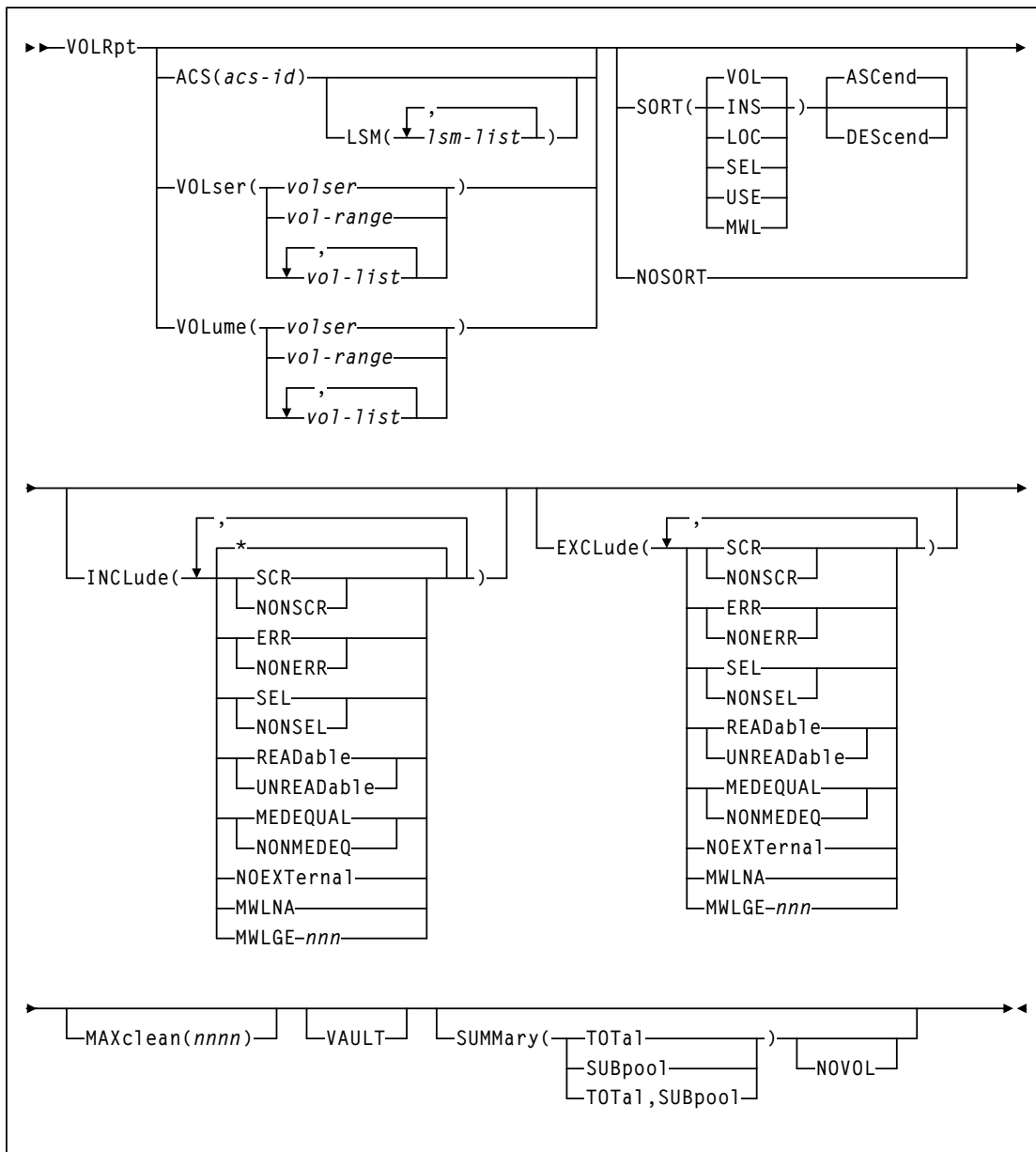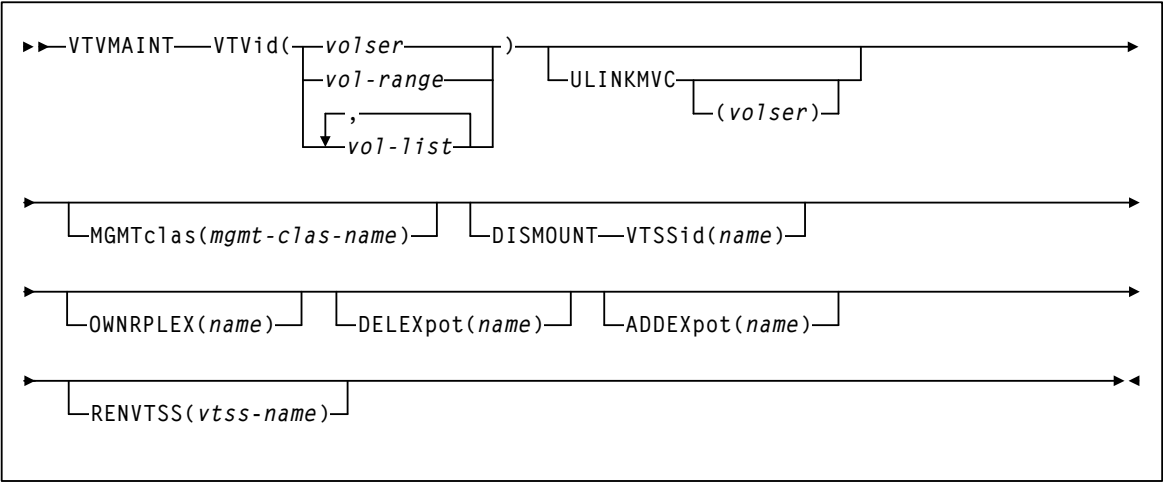
VTVRPt BASIC

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
                 ┌─BASIC─┐
►►──VTVRPt────┬──┴───────┴──────────────────────────────┬──┬──────────────────┬──►◄
             │    ┌─VTVid(──┬─volser────┬──)──┐          │  ├─ALL──────────────┤
             │    │         ├─vol-range─┤     │          │  ├─OPTION(UNAVAIL)──┤
             │    │         │  ┌─,────┐  │     │          │  └─SUPEMPTY─────────┘
             │    │         └──┴─vol-list─┘     │          │
             │    └─MANIFEST(ddname)───────────┘          │
```
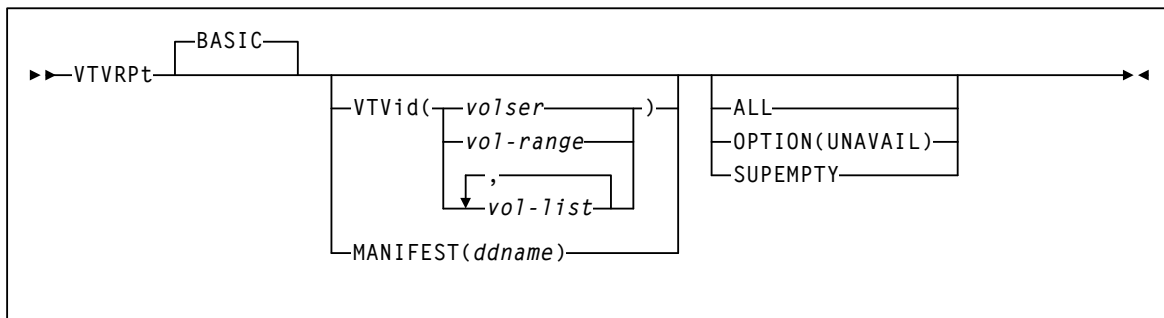
VTVRPt COPIES

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC not required

```
►►──VTVRPt─COPIES──┬──────────────────────────────┬──┬──────────────────┬──►◄
                   │  ┌─VTVid(──┬─volser────┬──)──┐ │  ├─ALL──────────────┤
                   │  │         ├─vol-range─┤    │ │  ├─OPTION(UNAVAIL)──┤
                   │  │         │  ┌─,────┐  │    │ │  └─SUPEMPTY─────────┘
                   │  │         └──┴─vol-list─┘    │ │
                   │  └─MANIFEST(ddname)──────────┘ │
```

VVAUDIT

Interfaces:

Utility only
UUI: Yes

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─VVAUDIT─────────────────────────────────────────────────────◄
            └─VAULT(vault-name)─┘
```

Warn

Interfaces:

Console or PARMLIB only
UUI: No

Subsystem Requirements:

Active HSC at BASE or FULL service level

```
►►─Warn─SCRatch─┬─acs-id─┬──────────────────────────THReshld(threshold-value)─►
                ├─lsm-id─┤  └─SUBpool(subpool-name)─┘
                └─VSM────┘

►───────────────────────────────────────────────────────────────◄
    └─MEDia(media-type)──RECtech(─┬─recording-technique─┬─)─┘
                                  └─────────────────────┘
```