

[illegible]

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MMMM	MMMM	CC	RR	TT	AA	BB	LL	EE	SS	
MMMM	MMMM	CC	RR	TT	AA	BB	LL	EE	SS	
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MM	MM	CC	RR	TT	AA	BB	LL	EE	SS	
MM	MM	CC	RRRRRRRR	TT	AA	BB	LL	EEEEEEEE	SSSSSS	
MM	MM	CC	RRRRRRRR	TT	AA	BB	LL	EEEEEEEE	SSSSSS	
MM	MM	CC	RR	TT	AAAAAAAAAA	BB	LL	EE	SS	
MM	MM	CC	RR	TT	AAAAAAAAAA	BB	LL	EE	SS	
MM	MM	CC	RR	TT	AA	BB	LL	EE	SS	
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```

1  |
2  | Version:  'V04-000'
3  |
4  | BAD.CLD - provides syntax simulation of RSX BAD utility with VMS BAD utility
5  |
6  |
7  | define type exer_keywords
8  |     keyword FUCL
9  |     keyword KEEP, negatable
10 |     keyword PATTERN, value (list)
11 |
12 | define type show_keywords
13 |     keyword BEFORE, negatable
14 |     keyword AFTER, negatable
15 |
16 | define syntax bad_manual
17 |     parameter pT, label=device, prompt='Device', value (required, type=$device)
18 |     qualifier media, nonnegatable, default
19 |     qualifier bad_blocks, nonnegatable, value (list), default
20 |     qualifier exercise, value (list, type=exer_keywords), default
21 |     qualifier log, default
22 |     qualifier LIST, value (default='SYS$OUTPUT', type=$outfile), label=output
23 |     qualifier retry
24 |     qualifier show, nonnegatable, value (list, type=show_keywords)
25 |
26 |
27 | define syntax bad_update
28 |     parameter pT, label=device, prompt='Device', value (required, type=$device)
29 |     qualifier media, nonnegatable, default
30 |     qualifier BAD_BLOCKS, nonnegatable, value (list, type=$number), default
31 |     qualifier EXERCISE, value (list, type=exer_keywords, default=NOEXERCISE)
32 |     qualifier LOG, value (default=NOLOG)
33 |     qualifier LIST, value (default='SYS$OUTPUT', type=$outfile), label=output
34 |     qualifier RETRY
35 |     qualifier SHOW, nonnegatable, value (list, type=show_keywords)
36 |
37 | define verb bad
38 |     image analyzbad
39 |     parameter pI, label=device, prompt='Device', value (required, type=$device)
40 |     qualifier media, nonnegatable, default
41 |     qualifier BAD_BLOCKS, nonnegatable, value (list, type=$number)
42 |     qualifier EXERCISE, value (list, type=exer_keywords), default
43 |     qualifier LOG, default
44 |     qualifier LIST, value (default='SYS$OUTPUT', type=$outfile), label=output
45 |     qualifier MANUAL, nonnegatable, syntax=bad_manual
46 |     qualifier RETRY
47 |     qualifier SHOW, nonnegatable, value (list, type=show_keywords)
48 |     qualifier UPDATE, nonnegatable, syntax=bad_update
49 |     disallow (update and manual)

```

\$ SET COMMAND/CLI=MCR SRC\$: BAD.CLD, COPY.CLD, CREATE.CLD, DEF.CLD, DELETE.CLD, DIFF.CLD, DIRECTORY.CLD, DMO.CLD, DUMP.CLD, HELP.CLD, INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255\$DUA28:[CLD.SRC]COPY.CLD;1 (1)

```
1  |
2  | Version:  'V04-000'
3  |
4  |
5  | define type protection
6  |     keyword system,value
7  |     keyword group,value
8  |     keyword owner,value
9  |     keyword world,value
10 |
11 | define verb append
12 |     image copy
13 |     parameter p1, label=infile, prompt='From',
14 |         value(required,list,impcat,type=$infile)
15 |     parameter p2, label=outfile, prompt='To',
16 |         value(required,type=$outfile)
17 |     qualifier allocation, value(required), placement=positional
18 |     qualifier contiguous, placement=positional
19 |     qualifier extension, value(required), placement=positional
20 |     qualifier file_maximum, value(required,list), placement=positional
21 |     qualifier new_version,
22 |     qualifier protection, value(required,list,type=protection),
23 |         placement=positional
24 |     qualifier read_check, placement=positional
25 |     qualifier log
26 |     qualifier write_check, placement=positional
27 |     qualifier confirm
28 |     qualifier exclude,value(list)
29 |     qualifier before,value(default=today)
30 |     qualifier since,value(default=today)
31 |     qualifier created
32 |     qualifier modified
33 |     qualifier expired
34 |     qualifier backup
35 |     qualifier by_owner,value(type=$uic)
36 |
37 | define syntax copy_using_pip
38 |     image backtrans
39 |
40 | define verb copy
41 |     image copy
42 |     parameter p1, label=infile, prompt='From',
43 |         value(required,list,impcat,type=$infile)
44 |     parameter p2, label=outfile, prompt='To',
45 |         value(required,type=$outfile)
46 |     qualifier allocation, value(required,list), placement=positional
47 |     qualifier concatenate, default
48 |     qualifier contiguous, placement=positional
49 |     qualifier extension, value(required), placement=positional
50 |     qualifier file_maximum, value(required), placement=positional
51 |     qualifier overlay, placement=positional
52 |     qualifier protection, value(required,list,type=protection),
53 |         placement=positional
54 |     qualifier read_check, placement=positional
55 |     qualifier replace, placement=positional
56 |     qualifier log
```

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255SDUA28:[CLD.SRC]COPY.CLD;1 (1)

57 qualifier volume, value(required)
58 qualifier write_check, placement=positional
59 qualifier truncate, placement=positional
60 qualifier confirm
61 qualifier exclude,value(list)
62 qualifier before,value(default=today)
63 qualifier since,value(default=today)
64 qualifier created
65 qualifier modified
66 qualifier expired
67 qualifier backup
68 qualifier by_owner,value(type=Suic)

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001)
_S255\$DUA28:[CLD.SRC]CREATE.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-005 HWS0004 Harold Schultz 07-Feb-1984
Changed syntax of /LOGICAL_NAME_TABLE qualifier to
/NAME_TABLE. Also added additional protection qualifier
when creating a logical name table of the form:
CREATE/NAME_TABLE/PROTECTION=(SY:RWED,OW:RWED,...)
Add /LOG qualifier to logical name table creation table.

V03-004 PCG0002 Peter George 31-May-1983
Add PREFIX to CREATE/LOGICAL_NAME_TABLE.

V03-003 PCG0001 Peter George 27-May-1983
Add CREATE/LOGICAL_NAME_TABLE.

V03-002 MAJ0001 Melanie Johnson 25-May-1983
These definitions are being added to MCR with the exception of
CREATE/FDL, which is being flagged for MCR to ignore it.

V03-001 SHZ0001 Stephen H. Zalewski 16-May-1983
Modified CREATE qualifiers.

define type protection
keyword system,value
keyword group,value
keyword owner,value
keyword world,value

define syntax fdl
image createfdl
parameter p1,label=file_name,prompt=" ",value(type=\$outfile)

define type attribute_keywords
keyword confine
keyword no_alias
keyword supersede

define syntax name_table
cliroutine ctable
prefix clisk_cret
parameter p1,prompt='Table name',value(required)
qualifier user_mode
qualifier supervisor_mode
qualifier executive_mode
qualifier attributes,value(required,type=attribute_keywords,list)
qualifier parent_table,value(required)
qualifier quota,value(required,type=\$number)
qualifier protection,value(required,list,type=protection)
qualifier log

define verb create
image create
parameter p1,prompt='File',value(required,list,impcat,type=\$outfile),label=output
qualifier directory

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255SDUA28:[CLD.SRC]CREATE.CLD;1 (1)

```
57      qualifier owner_uic,      value(type=$uic,required)
58      qualifier protection,    value(required,(list,type=protection))
59      qualifier log
60      qualifier version_limit,value(required)
61      qualifier volume,        value(required)
62      qualifier fdl,label=fdl_file,value(type=$infile,required),cliflags(mcrignore),syntax=fdl
63      qualifier name_table,syntax=name_table
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]DEF.CLD;1 (1)

```
1  
2  
3 Version: 'V04-000'  
4  
5 RMS-11 DEF utility  
6  
7 define verb defx  
8 synonym def  
9 image def  
10 cli flags(abbreviate,foreign)
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]DELETE.CLD;1 (1)

Version: 'V04-000'

V03-014 PCB0002 Peter George 13-Mar-1984
Remove last vestiges of old command interface
from DELETE command definition. Add DEL/SYM/LOG.

V03-013 WMC0004 Wayne Cardoza 16-Jan-1984
Remove all CHKPNT stuff

V03-012 SHZ0004 Stephen H. Zalewski 10-Dec-1983
Remove the /ON qualifier from DELETE and PURGE as it
will not be implemented.

V03-011 WMC0003 Wayne Cardoza 31-Aug-1983
CHECKPOINT should use BY_OWNER

V03-010 MLJ0010 Martin L. Jack 27-Mar-1983
Add DELETE/FORM and DELETE/CHARACTERISTIC.

V03-009 PCG001 Peter George 28-Mar-1983
Add DELETE/KEY.

V03-008 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
Make all necessary changes for new CDU.

V03-007 SHZ003 Stephan H. Zalewski 12-Mar-1983
Changed /BYOWNER to /BY_OWNER for DELETE and PURGE.

V03-006 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983
Change /UIC qualifiers to /BYOWNER.

V03-005 SHZ0002 Stephen H. Zalewski 21-Jan-1983
Add /ON qualifier to DELETE and PURGE.

V03-004 WMC0002 Wayne Cardoza 19-Jan-1983
Add /LOG to DEL/CHECKPOINT

V03-003 WMC0001 Wayne Cardoza 05-Jan-1983
New DEL/CHECKPOINT qualifiers.

V03-002 SHZ0001 Stephen H. Zalewski 5-Dec-1982
Add a bunch of new qualifiers for both DELETE and PURGE.

V03-001 MAJ0001 Melanie Johnson 07-Oct-1982
Put mcignore flag into cliflags construct.

define syntax delete_characteristic
image queman
parameter p1,prompt='Char name',value(required)

define syntax delete_form
image queman
parameter p1,prompt='Form name',value(required)

define syntax delete_entry_or_queue

```

57     image queman
58     parameter p1,prompt='Queue',value(required)
59
60 define syntax delete_all_symbols
61     noparameters
62
63 define syntax delete_symbol
64     cliroutine delsym
65     prefix clisk_dlsy
66     parameter p1,prompt='Symbol',value(required,type=$insym)
67     qualifier all,          syntax=delete_all_symbols
68     qualifier global
69     qualifier local
70     qualifier log
71
72 !**JNL** define syntax delete_checkpoint
73 !**JNL**     image chkcancmd
74 !**JNL**     parameter p1,prompt='File',value(required,list,impcat,type=$infile)
75 !**JNL**     qualifier log
76 !**JNL**     qualifier created
77 !**JNL**     qualifier modified
78 !**JNL**     qualifier confirm
79 !**JNL**     qualifier since,          value(default=today,type=$datetime)
80 !**JNL**     qualifier before,        value(default=today,type=$datetime)
81 !**JNL**     qualifier expired
82 !**JNL**     qualifier by_owner,      value(type=$uic)
83 !**JNL**     qualifier exclude,      value(required,list)
84
85 define syntax delete_all_keys
86     noparameters
87
88 define syntax delete_key
89     cliroutine delkey
90     prefix clisk_delk
91     parameter p1,prompt='Key name',value(required)
92     qualifier log
93     qualifier state,value(required,list)
94     qualifier all,syntax=delete_all_keys
95
96 define verb delete
97     image delete
98     parameter p1,prompt='File',value(required,list,impcat,type=$infile), label=input
99     qualifier backup
100    qualifier before,          value(default=today,type=$datetime)
101 !**JNL**    qualifier checkpoint, syntax=delete_checkpoint
102    qualifier confirm
103    qualifier created
104    qualifier entry,          value(required,list),syntax=delete_entry_or_queue
105    qualifier erase
106    qualifier exclude,      value(required,list)
107    qualifier expired
108    qualifier log
109    qualifier modified
110    qualifier queue,        cliflags(mcrignore),syntax=delete_entry_or_queue
111    qualifier since,        value(default=today,type=$datetime)
112    qualifier symbol,        cliflags(mcrignore),syntax=delete_symbol

```

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VAX/VMS Command Definition Utility (V4-001) Page 3
_S255SDUA28:[CLD.SRC]DELETE.CLD;1 (1)

```
113     qualifier by_owner,      value(type=$uic)
114     qualifier key,           cliflags(mcrignore),syntax=delete_key
115     qualifier characteristic,syntax=delete_characteristic
116     qualifier form,          syntax=delete_form
117
118 define verb purge
119     image delete
120     parameter p1,prompt='File',value(list,impcat,type=$infile,default='*. *'), label=input
121     qualifier backup
122     qualifier before,         value(default=today,type=$datetime)
123     qualifier confirm
124     qualifier created
125     qualifier erase
126     qualifier exclude,       value(required,list)
127     qualifier expired
128     qualifier keep,           value(required)
129     qualifier log
130     qualifier modified
131     qualifier since,          value(default=today,type=$datetime)
132     qualifier by_owner,       value(type=$uic)
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]DIFF.CLD;1 (1)

```
1 MODULE dif_command
2
3   Version:   'V04-000'
4
5       V03-001 PCG0001      Peter George      30-Mar-1983
6       Use CLI keyword parsing.
7
8
9 define type ignore_keywords
10     keyword blank_lines
11     keyword comments
12     keyword form_feeds
13     keyword header,value(default=2,type=$number)
14     keyword trailing_spaces
15     keyword spacing
16     keyword edited,default
17     keyword exact
18     keyword pretty
19
20 define type mode_keywords
21     keyword ascii,default
22     keyword hexadecimal
23     keyword octal
24
25 define type separated_keywords
26     keyword master,default
27     keyword revision,default
28
29 define verb differences
30     image diff
31     parameter p1,prompt='File 1',value(required,list,impcat,type=$infile),label=input1
32     parameter p2,prompt='File 2',value(type=$infile),label=input2
33     qualifier change_bar,    placement=local,value(list)
34     qualifier comment_delimiters,value(list)
35     qualifier ignore,        default,value(list,type=ignore_keywords)
36     qualifier line_width,    value(required,type=$number)
37     qualifier match,         value(required,type=$number)
38     qualifier maximum_differences,value(required,type=$number)
39     qualifier merged,        value(type=$number)
40     qualifier mode,          default,value(list,type=mode_keywords)
41     qualifier output,        value(type=$outfile)
42     qualifier parallel,      value(type=$number)
43     qualifier separated,     value(list,type=separated_keywords)
44     qualifier slp
45     qualifier width,         value(required,type=$number)
46     qualifier window,       value(required,type=$number)
47     qualifier number,       default
48
49     disallow (slp AND (merged OR parallel OR separated OR change_bar OR
50                  hexadecimal OR octal OR line_width OR width OR
51                  pretty OR edited OR number))
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001)
_S255SDUA28:[CLD.SRC]DIRECTORY.CLD;1 (1)

Page 1

1 | DIRECTORY.CLD

2 |
3 | Version: 'V04-000'

4 |
5 | Modification history:

6 |
7 | V03-002 LMP0276 L. Mark Pilant, 11-Jul-1984 11:43
8 | Make applicable qualifiers negatable. Also, remove
9 | the default value for the /OUTPUT qualifier as it is
10 | defaulted in the DIRECTORY image.

11 |
12 | V03-001 MCN0173 Maria del C. Nasr 25-Jun-1984
13 | Make the /OUTPUT qualifier default to SYS\$OUTPUT, and
14 | negatable.
15 |

16 | define type date_options

17 | keyword all, nonnegatable
18 | keyword created, default,nonnegatable
19 | keyword expired, nonnegatable
20 | keyword modified, nonnegatable
21 | keyword backup, nonnegatable
22 |

23 | define type size_options

24 | keyword all, nonnegatable
25 | keyword allocation, nonnegatable
26 | keyword used, default,nonnegatable
27 |

28 | define type width_options

29 | keyword display, default,value(default=0),nonnegatable
30 | keyword filename, default,value(default=19),nonnegatable
31 | keyword owner, default,value(default=20),nonnegatable
32 | keyword size, default,value(default=6),nonnegatable
33 |

34 | define type sel_size_options

35 | keyword minimum_size, default,value(default=0),nonnegatable
36 | keyword maximum_size, default,value(default=1073741823),nonnegatable
37 |

38 | define type select_options

39 | keyword size, default,value(list,type=sel_size_options),nonnegatable
40 | keyword acl, nonnegatable
41 |

42 | define type owner_options

43 | keyword identifier
44 |

45 | define verb directory

46 | image directory
47 | parameter p1,prompt='File',value(list,impcat,type=\$infile),label=INPUT
48 | qualifier acl
49 | qualifier backup
50 | qualifier before, value(default=TODAY,type=\$datetime)
51 | qualifier brief, default,nonnegatable
52 | qualifier by_owner, value(type=\$uic)
53 | qualifier columns, default,value(default=4)
54 | qualifier created
55 | qualifier date, value(list,type=date_options)
56 | qualifier exclude, value(required,list)

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255\$DUA28:[CLD.SRC]DIRECTORY.CLD;1 (1)

57	qualifier expired	
58	qualifier file_id	
59	qualifier full	
60	qualifier grand_total	
61	qualifier heading,	default
62	qualifier modified	
63	qualifier output,	default,value(type=\$file)
64	qualifier owner,	value(type=owner_options)
65	qualifier printer	
66	qualifier protection	
67	qualifier security	
68	qualifier select,	value(required,list,type=select_options)
69	qualifier since,	value(default=TODAY,type=\$datetime)
70	qualifier size,	value(list,type=size_options)
71	qualifier total	
72	qualifier trailing,	default
73	qualifier versions,	value(required)
74	qualifier width,	default,value(list,type=width_options)

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]DMO.CLD;1 (1)

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19  
Version: 'V04-000'  
V03-002 HH0004 Hai Huang 28-Feb-1984  
Add DMO CLUSTER qualifier.  
V03-001 HH0003 Hai Huang 16-Feb-1983  
Add DMO ABORT qualifier.  
define verb dmo  
image dismount  
prefix clisk_dism  
parameter p1,prompt='Device',value(required,type=$device),label=device  
qualifier unload,default  
qualifier unit  
qualifier abort  
qualifier cluster
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]DUMP.CLD;1 (1)

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1 |
2 |
3 | Version: 'V04-000'
4 |
5 | SHZ0001 Stephen H. Zalewski 12-Apr-1984
6 | Move all checks for conflicting qualifiers from DUMP image
7 | to the CLD.
8 |
9 | define type dump_blocks
10 | keyword start, value(type=$number)
11 | keyword end, value(type=$number)
12 | keyword count, value(type=$number)
13 |
14 | define verb dump
15 | parameter p1,prompt='File',value(required,type=$infile),label=input
16 | qualifier allocated
17 | qualifier ascii
18 | qualifier blocks, value(list,type=dump_blocks)
19 | qualifier byte
20 | qualifier decimal
21 | qualifier file_header
22 | qualifier formatted, default
23 | qualifier header
24 | qualifier hexadecimal
25 | qualifier longword
26 | qualifier number, value(type=$number)
27 | qualifier octal
28 | qualifier output, value(type=$outfile)
29 | qualifier printer
30 | qualifier records, value(list,type=dump_blocks)
31 | qualifier word
32 |
33 | disallow any2(octal,decimal,hexadecimal)
34 | disallow any2(byte,word,longword)
35 | disallow records and blocks
36 | disallow printer and output
37 | disallow records and allocated
38 | disallow blocks.end and blocks.count
39 | disallow records.end and records.count
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255\$DUA28:[CLD.SRC]HELP.CLD;1 (1)

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```

Version: 'V04-000'

V03-002 MCN0173 Maria del C. Nasr 25-Jun-1984
Make /OUTPUT qualifier default to SYSS\$OUTPUT

V03-001 PCG0001 Peter George 11-Apr-1984
Add DISALLOW statements.

DEFINE TYPE scope_keywords

KEYWORD ALL,default

KEYWORD NONE

KEYWORD PROCESS

KEYWORD GROUP

KEYWORD SYSTEM

DEFINE VERB HELP

IMAGE VMSHELP

PARAMETER P1,label=keywords,
value(type=\$rest_of_line)

QUALIFIER PROMPT,default

QUALIFIER PAGE,default

QUALIFIER INSTRUCTIONS,default

QUALIFIER OUTPUT,default
value(type=\$file,default='SYSS\$OUTPUT')

QUALIFIER LIBRARY,default,
value(type=\$infile,default='HELPLIB')

QUALIFIER LIBLIST,default

QUALIFIER USERLIBRARY,default,negatable,
value(type=scope_keywords,list)

DISALLOW (ALL and NONE)

DISALLOW (ALL or NONE) and (PROCESS or GROUP or SYSTEM)

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]INIT.CLD;1 (1)

Version: 'V04-000'

V03-016 JAK0227 J A Krycka 17-Aug-1984
Disallow certain printer queue specific qualifiers to be used
with /BATCH and /GENERIC.

V03-015 JAK0226 J A Krycka 16-Aug-1984
Omit "list" as an attribute for the /OWNER_UIC qualifier.

V03-014 JAK0220 J A Krycka 12-Jul-1984
Add [NO]FEED option to the /DEFAULT qualifier.

V03-013 MCN0174 Maria del C. Nasr 09-Jul-1984
Make qualifiers negatable to follow the standard rule.

V03-012 PCG0001 Peter George 20-Feb-1984
Modify behavior of INIT/QUEUE/BLOCK.

V03-011 MCN0144 Maria del C. Nasr 19-Jan-1984
Fix image name for INITIALIZE.

V03-010 MCN0140 Maria del C. Nasr 23-Nov-1983
Change to new CLI interface for INIT image.

V03-009 MLJ0009 Martin L. Jack 29-Jul-1983
Add /LIBRARY and /SCHEDULE.

V03-008 MAJ0002 Melanie Johnson 22-Jun-1983
Put mcignore flag on the init/queue qualifiers.

V03-007 MLJ0007 Martin L. Jack 27-May-1983
Changes for new QUEMAN image.

V03-006 MLJ0006 Martin L. Jack 27-Apr-1983
Changes for new QUEMAN image.

V03-005 STJ3087 Steven Jeffreys 24-Apr-1983
Added /[NO]ERASE and /[NO]HIGHWATER.

V03-004 MMD0076 Meg Dumont 08-Apr-1983
Added support for new qualifiers on /LABEL and /OVERRIDE and
added the /INTERCHANGE qualifier

V03-003 MLJ0002 Martin L. Jack 03-Jan-1982
Changes for new QUEMAN image.

V03-001 MAJ0001 Melanie Johnson 07-Oct-1982
Put mcignore flag into cliflags construct.

define type print_bft
keyword all,default
keyword one

define type defaults
keyword burst,negatable,value(type=print_bft)

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255SDUA28:[CLD.SRC]INIT.CLD;1 (1)

```
57 keyword feed,negatable
58 keyword flag,negatable,value(type=print_bft)
59 keyword trailer,negatable,value(type=print_bft)
60
61 define type retain
62 keyword all,default
63 keyword error
64
65 define type schedule
66 keyword size,negatable
67
68 define type separate
69 keyword burst,negatable
70 keyword flag,negatable
71 keyword reset,negatable,value(required,list)
72 keyword trailer,negatable
73
74 define type protection
75 keyword system,value
76 keyword group,value
77 keyword owner,value
78 keyword world,value
79
80 define type init_overrides
81 keyword expiration
82 keyword accessibility
83 keyword owner_identifier
84
85 define type datacheck_options
86 keyword read
87 keyword write
88
89 define type index_position
90 keyword beginning
91 keyword middle
92 keyword end
93 keyword block,value(required)
94
95 define type ansi
96 keyword volume_accessibility,value(required)
97 keyword owner_identifier,value(required,type=$infile)
98
99 define syntax init_queue
100 image queman
101 parameter p1,prompt='Queue',value(required)
102
103 define verb initialize
104 image init
105 parameter p1,prompt='Device',value(required,type=$device),label=device
106 parameter p2,prompt='Label',value(required),label=volume
107 qualifier accessed, value(required,type=$number)
108 qualifier badblocks, value(required,list)
109 qualifier base_priority,value(required),cliflags(mcrignore),syntax=init_queue
110 qualifier batch, cliflags(mcrignore),syntax=init_queue
111 qualifier block_limit, value(list),cliflags(mcrignore),syntax=init_queue
112 qualifier characteristics,cliflags(mcrignore),syntax=init_queue,value(required,list)
```

```

113 qualifier cluster_size, value(required,type=$number)
114 qualifier cpudefault, value(required),cliflags(mcrignore),syntax=init_queue
115 qualifier cpumaximum, value(required),cliflags(mcrignore),syntax=init_queue
116 qualifier data_check, value(list,type=datacheck_options)
117 qualifier default, value(required,list,type=defaults),cliflags(mcrignore),syntax=init_queue
118 qualifier density, value(required)
119 qualifier directories, value(required,type=$number)
120 qualifier disable_swapping,cliflags(mcrignore),syntax=init_queue
121 qualifier enable_generic,cliflags(mcrignore),syntax=init_queue
122 qualifier erase
123 qualifier extension, value(required,type=$number)
124 qualifier file_protection,value(required,list,type=protection)
125 qualifier form, value(required),cliflags(mcrignore),syntax=init_queue
126 qualifier generic, value(list),cliflags(mcrignore),syntax=init_queue
127 qualifier group
128 qualifier headers, value(required,type=$number)
129 qualifier highwater, default
130 qualifier index, value(required,type=index_position)
131 qualifier interchange
132 qualifier job_limit, value(required),cliflags(mcrignore),syntax=init_queue
133 qualifier label, value(required,list,type=ansi)
134 qualifier library, value(required),cliflags(mcrignore),syntax=init_queue
135 qualifier maximum_files,value(required,type=$number)
136 qualifier on, value(type=$infile,required),cliflags(mcrignore),syntax=init_queue
137 qualifier override, value(required,list,type=init_overrides)
138 qualifier owner_uic, value(required,type=$uic)
139 qualifier processor, value(required),cliflags(mcrignore),syntax=init_queue
140 qualifier protection, value(required,list,type=protection)
141 qualifier queue, cliflags(mcrignore),syntax=init_queue
142 qualifier retain, value(type=retain),cliflags(mcrignore),syntax=init_queue
143 qualifier schedule, value(required,list,type=schedule),cliflags(mcrignore),syntax=init_queue
144 qualifier separate, value(required,list,type=separate),cliflags(mcrignore),syntax=init_queue
145 qualifier share, default
146 qualifier start, cliflags(mcrignore),syntax=init_queue
147 qualifier structure, value(required,type=$number)
148 qualifier system
149 qualifier terminal, cliflags(mcrignore),syntax=init_queue
150 qualifier user_name, value(required)
151 qualifier verified, default
152 qualifier windows, value(required,type=$number)
153 qualifier wsdefault, value(required),cliflags(mcrignore),syntax=init_queue
154 qualifier wsextent, value(required),cliflags(mcrignore),syntax=init_queue
155 qualifier wsquota, value(required),cliflags(mcrignore),syntax=init_queue
156 disallow group and system
157 disallow default and (batch or generic)
158 disallow separate and (batch or generic)
159 disallow form and (batch or generic)

```

\$ SET COMMAND/CLI=MCR SRC\$BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255\$DUA28.[CLD.SRC]MAIL.CLD;1 (1)

```
1  |
2  | Version:  'V04-000'
3  |
4  |
5  | define type reply_types
6  |     keyword extract
7  |
8  | define type edit_types
9  |     keyword send
10 |     keyword reply,value(type=reply_types)
11 |     keyword forward
12 |
13 | define syntax decmail
14 |     image decmail
15 |
16 | define verb mail
17 |     image mail
18 |     parameter p1,prompt='File',value(type=$infile),label=file
19 |     parameter p2,prompt='To',value(list,impcat),label=tolist
20 |     qualifier subject,      value(required)
21 |     qualifier decmail,      syntax=decmail
22 |     qualifier edit,value(list,type=edit_types)
23 |     qualifier protocol value(required)
24 |     qualifier self
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

Version: 'V04-C00'

V03-007 DAS0002 David Solomon 09-Jul-1984
Add /[NO]REBUILD.
V03-006 HH0028 Hai Huang 27-Jun-1984
Make appropriate qualifiers negatable.
V03-005 HH0004 Hai Huang 09-Mar-1984
Add /CLUSTER qualifier.
V03-004 WMC0001 Wayne Cardoza 16-Jan-1984
Remove all journaling keywords.
V03-003 DAS0001 David Solomon 29-Nov-1983
Add RECORD_SIZE keyword for /JOURNAL qualifier.
V03-002 MCN0138 Maria del C. Nasr 12-Jul-1983
Make changes for new CLI interface. Take out prefix
clause, which is no longer needed. Add disallow clauses
for qualifiers that cannot go together.
V03-001 MMD0056 Meg Dumont 28-Mar-1983
Changed /OVERRIDE to inc OWNER_IDENTIFIER, added /AUTO and /INIT

define type cache_options
keyword extent, value(required,type=\$number),negatable
keyword file_id, value(required,type=\$number),negatable
keyword limit, value(required,type=\$number)
keyword quota, value(required,type=\$number),negatable
keyword writethrough

define type datacheck_options
keyword read
keyword write

define type initialize_options
keyword all
keyword continuation

***JNL** define type journal_options
***JNL** keyword newfile
***JNL** keyword size, value(required,type=\$number)
***JNL** keyword extension, value(required,type=\$number)
***JNL** keyword quota, value(required,type=\$number)
***JNL** keyword RECORD_SIZE, value(required,type=\$number)

define type mount_overrides
keyword accessibility
keyword expiration
keyword identification, syntax=mount_wo_label
keyword setid
keyword lock
keyword owner_identifier


```

57
58 define type protection
59     keyword system,value
60     keyword group,value
61     keyword owner,value
62     keyword world,value
63
64 define syntax mount_wo_label
65     parameter p1,prompt='Device',value(required,list,type=$device),label=devices
66     parameter p2,prompt='Label',value(list),label=volumes
67     parameter p3,prompt='Log name',value(type=$outlog),label=lognames
68     disallow (<mount>foreign or <mount>nolabel) and (<mount>accessed or
69                                     <mount>automatic or
70                                     <mount>bind or
71                                     <mount>cache or
72                                     <mount>extension or
73                                     <mount>hdr3 or
74                                     <mount>initialize or
75                                     <mount>label or
76                                     <mount>processor or
77                                     <mount>quota or
78                                     <mount>rebuild or
79                                     <mount>windows)
80     disallow (<mount>group or <mount>system) and <mount>share
81     disallow <mount>system and <mount>group
82
83 define verb mount
84     image vmount
85     parameter p1,prompt='Device',value(required,list,type=$device),label=devices
86     parameter p2,prompt='Label',value(required,list),label=volumes
87     parameter p3,prompt='Log name',value(type=$outlog),label=lognames
88     qualifier accessed,    value(required,type=$number)
89     qualifier assist      default
90     qualifier automatic   default
91     qualifier bind,       value(required)
92     qualifier blocksize,  value(required,type=$number)
93     qualifier cache,      value(required,list,type=cache_options)
94     qualifier cluster
95     qualifier comment,    value(required)
96     qualifier data_check, value(list,type=datacheck_options)
97     qualifier density,    value(required,type=$number)
98     qualifier extension,  value(required,type=$number)
99     qualifier foreign,    syntax=mount_wo_label,nonnegatable
100    qualifier group
101    qualifier hdr3,       default
102    qualifier initialize  value(required,type=initialize_options)
103    **JNL**    qualifier journal    value(list,type=journal_options)
104
105    Due to some constraints in DCL and CLI parsing, the NOLABEL qualifier must
106    be defined explicitly in this CLD, and cannot be specified as the negation
107    of LABEL. In that way we can use a different syntax for each one, and
108    also take advantage of the disallow clause.
109
110    qualifier label,      default,nonnegatable
111    qualifier nolabel,    nonnegatable,syntax=mount_wo_label
112    qualifier message     default

```

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VAX/VMS Command Definition Utility (V4-001) Page 3
_S255\$DUA28:[CLD.SRC]MOUNT.CLD;1 (1)

```
113      qualifier mount_verification      default
114      qualifier override,              value(required,list,type=mount_overrides)
115      qualifier owner_uic,              value(required,type=$uic)
116      qualifier processor,              value(required)
117      qualifier protection,             value(required,list,type=protection)
118      qualifier quota,                  default
119      qualifier rebuild,                 default
120      qualifier recordsize,             value(required,type=$number)
121      qualifier share
122      qualifier system
123      qualifier unload,                  default
124      qualifier windows,                 value(required,type=$number)
125      qualifier write,                   default
126      disallow (group or system) and share
127      disallow label and no label
128      disallow system and group
```

```
129
130 :
131 : The following qualifiers have been commented out, since they were never
132 : implemented. They are not being coded with the new CLI interface, but
133 : are included here for historical purposes.
```

```
134 :
135 :      qualifier drive,                  value(required),
136 :                                         placement=positional
137 :      qualifier ebcdic,                 value(required,list)
138 :      qualifier interchange
139 :      qualifier user,                   value(required,type=$uic)
140 :      qualifier visual,                 value(required)
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255\$DUA28:[CLD.SRC]RENAME.CLD;1 (1)

```
1  |
2  | Version:  'V04-000'
3  |
4  |
5  | define verb rename
6  |     image rename
7  |     parameter p1,prompt='from',value(required,list,impcat,type=$infile)
8  |     parameter p2,prompt='to',value(required,type=$outfile)
9  |     qualifier new_version, default
10 |     qualifier before, value(default=today,type=$datetime)
11 |     qualifier since, value(default=today,type=$datetime)
12 |     qualifier created
13 |     qualifier modified
14 |     qualifier expired
15 |     qualifier backup
16 |     qualifier exclude, value(required,list)
17 |     qualifier by_owner, value(type=$uic)
18 |     qualifier confirm
19 |     qualifier log
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]RUN.CLD;1 (1)

Version: 'V04-000'

V03-014 MCN0179 Maria del C. Nasr 9-Jul-1984
Make /NOAUTHORIZE the default for RUNDET.

V03-013 WMC0007 Wayne Cardoza 16-Jan-1983
Remove all CHKPNT stuff.

V03-012 WMC0006 Wayne Cardoza 14-Nov-1983
New qualifier for .CHK file name.

V03-011 TMK0001 Todd M. Katz 13-Nov-1983
Add the qualifier job_table_quota to the run verb. This
qualifier can be used to specify the job-wide logical
name table creation quota when creating a detached
process.

V03-010 WMC0005 Wayne Cardoza 10-Nov-1983
Allow checkpoint file name to be specified.

V03-009 WMC0004 Wayne Cardoza 28-Jul-1983
New checkpoint qualifier /WAIT

V03-008 MTR0002 Mike Rhodes 12-Jul-1983
Change /DELAY, /INTERVAL and /TIME_LIMIT qualifier
values to use the new "\$deltatime" token identifier.
Correct the /PROCESS qualifiers to /PROCESS_NAME.

V03-007 WMC0003 Wayne Cardoza 21-Jun-983
Allow /DEBUG on RUN/CHECK

V03-006 RSH0026 R. Scott Hanna 24-May-1983
Add SECURITY privilege

V03-005 MTR0001 Mike Rhodes 23-May-1983
Add SHARE privilege keyword.

V03-004 PRB0175 Paul Beck 26-APR-1983 21:31:36
Add TMPJNL and PRMJNL

V03-003 WMC0002 Wayne Cardoza 14-Apr-1983
Parameter is /DETACHED

V03-002 WMC0001 Wayne Cardoza 13-Apr-1983
/DETACH, /DUMP qualifiers

V03-001 PCG0001 Peter George 13-Apr-1983
Create RUN.CLD.

define type privileges

keyword acct,negatable
keyword allspool,negatable
keyword altpri,negatable
keyword bugchk,negatable
keyword bypass,negatable

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255SDUA28.[CLD.SRC]RUN.CLD;1 (1)

```
57 keyword cmexec,negatable
58 keyword cmkrnl,negatable
59 keyword detach,negatable
60 keyword diagnose,negatable
61 keyword exquota,negatable
62 keyword group,negatable
63 keyword grpnam,negatable
64 keyword log_io,negatable
65 keyword mount,negatable
66 keyword netmbx,negatable
67 keyword oper,negatable
68 keyword pfnmap,negatable
69 keyword phy_io,negatable
70 keyword prmceb,negatable
71 keyword prmgbt,negatable
72 keyword prmjnl,negatable
73 keyword prmbx,negatable
74 keyword pswapm,negatable
75 keyword same,negatable
76 keyword security,negatable
77 keyword setprv,negatable
78 keyword share,negatable
79 keyword shmem,negatable
80 keyword syslck,negatable
81 keyword sysgbl,negatable
82 keyword sysnam,negatable
83 keyword sysprv,negatable
84 keyword tmpjnl,negatable
85 keyword tmpmbx,negatable
86 keyword volpro,negatable
87 keyword world,negatable
88
89 **JNL** define syntax run_checkpoint
90 **JNL** image chkpntcmd
91 **JNL** parameter pl,prompt='File',value(required,type=$infile)
92 **JNL** qualifier error, value(required,type=$outfile)
93 **JNL** qualifier input, value(required,type=$outfile)
94 **JNL** qualifier output, value(required,type=$outfile)
95 **JNL** qualifier priority, value(required)
96 **JNL** qualifier privileges, value(required,list,type=privileges)
97 **JNL** qualifier process_name, value(required)
98 **JNL** qualifier resource_wait,default
99 **JNL** qualifier service_failure
100 **JNL** qualifier swapping, default
101 **JNL** qualifier uic, value(required,type=$uic)
102 **JNL** qualifier accounting, default
103 **JNL** qualifier buffer_limit, value(required)
104 **JNL** qualifier time_limit, value(required, type=$deltatime)
105 **JNL** qualifier file_limit, value(required)
106 **JNL** qualifier page_file, value(required)
107 **JNL** qualifier queue_limit, value(required)
108 **JNL** qualifier subprocess_limit,value(required)
109 **JNL** qualifier maximum_working_set,value(required)
110 **JNL** qualifier working_set, value(required)
111 **JNL** qualifier authorize, default
112 **JNL** qualifier ast_limit, value(required)
```

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VAX/VMS Command Definition Utility (V4-001) Page 3
_S255SDUA28:[CLD.SRC]RUN.CLD;1 (1)

```
113 !**JNL**      qualifier io_buffered, value(required)
114 !**JNL**      qualifier io_direct, value(required)
115 !**JNL**      qualifier enqueue_limit, value(required)
116 !**JNL**      qualifier extent, value(required)
117 !**JNL**      qualifier auto_restart
118 !**JNL**      qualifier paging_file, value(required,type=$outfile)
119 !**JNL**      qualifier detached
120 !**JNL**      qualifier dump
121 !**JNL**      qualifier debug
122 !**JNL**      qualifier wait, default
123 !**JNL**      qualifier chk_file, value(required,type=$outfile)
124
125 !**JNL** define syntax run_restart
126 !**JNL**      image chr$tcmd
127 !**JNL**      parameter p1,prompt='File',value(required,type=$infile)
128 !**JNL**      qualifier error, value(required,type=$outfile)
129 !**JNL**      qualifier input, value(required,type=$outfile)
130 !**JNL**      qualifier output, value(required,type=$outfile)
131 !**JNL**      qualifier priority, value(required)
132 !**JNL**      qualifier privileges, value(required,list,type=privileges)
133 !**JNL**      qualifier process_name, value(required)
134 !**JNL**      qualifier resource_wait,default
135 !**JNL**      qualifier service_failure
136 !**JNL**      qualifier swapping, default
137 !**JNL**      qualifier uic, value(required,type=$uic)
138 !**JNL**      qualifier accounting, default
139 !**JNL**      qualifier buffer_limit, value(required)
140 !**JNL**      qualifier time_limit, value(required,type=$deltatime)
141 !**JNL**      qualifier file_limit, value(required)
142 !**JNL**      qualifier page_file, value(required)
143 !**JNL**      qualifier queue_limit, value(required)
144 !**JNL**      qualifier subprocess_limit,value(required)
145 !**JNL**      qualifier maximum_working_set,value(required)
146 !**JNL**      qualifier working_set, value(required)
147 !**JNL**      qualifier authorize, default
148 !**JNL**      qualifier ast_limit, value(required)
149 !**JNL**      qualifier io_buffered, value(required)
150 !**JNL**      qualifier io_direct, value(required)
151 !**JNL**      qualifier enqueue_limit,value(required)
152 !**JNL**      qualifier extent, value(required)
153 !**JNL**      qualifier auto_restart
154 !**JNL**      qualifier dump
155 !**JNL**      qualifier debug
156 !**JNL**      qualifier wait, default
157
158 define syntax run_process
159     image rundet
160
161 define verb run
162     synonym r
163     synonym ru
164     cliroutine run
165     cliflags(abbreviate)
166     prefix cli$run_
167     parameter p1,prompt='File',value(required,type=$infile)
168 !**JNL**      qualifier checkpoint, syntax=run_checkpoint
```

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VAX/VMS Command Definition Utility (V4-001) Page 4
_S255\$DUA28:[CLD.SRC]RUN.CLD;1 (1)

```
169 !**JNL**      qualifier restart,      syntax=run_restart
170      qualifier delay,      value(required, type=$deltatime),
171      syntax=run_process
172      qualifier error,      value(required, type=$outfile),
173      syntax=run_process
174      qualifier input,      value(required, type=$outfile),
175      syntax=run_process
176      qualifier interval,   value(required, type=$deltatime),
177      syntax=run_process
178      qualifier output,     value(required, type=$outfile),
179      syntax=run_process
180      qualifier priority,   value(required),
181      syntax=run_process
182      qualifier privileges, value(required, list, type=privileges),
183      syntax=run_process
184      qualifier process_name, value(required),
185      syntax=run_process
186      qualifier resource_wait, default, syntax=run_process
187      qualifier schedule,   value(required, type=$datetime),
188      syntax=run_process
189      qualifier service_failure, syntax=run_process
190      qualifier swapping,   default, syntax=run_process
191      qualifier uic,        value(required, type=$uic),
192      syntax=run_process
193      qualifier accounting, default, syntax=run_process
194      qualifier buffer_limit, value(required), syntax=run_process
195      qualifier time_limit,  value(required, type=$deltatime), syntax=run_process
196      qualifier file_limit, value(required), syntax=run_process
197      qualifier page_file,  value(required), syntax=run_process
198      qualifier queue_limit, value(required), syntax=run_process
199      qualifier subprocess_limit, value(required), syntax=run_process
200      qualifier maximum_working_set, value(required), syntax=run_process
201      qualifier working_set, value(required), syntax=run_process
202      qualifier debug
203      qualifier authorize,  syntax=run_process
204      qualifier mailbox,   value(required), syntax=run_process
205      qualifier ast_limit, value(required), syntax=run_process
206      qualifier io_buffered, value(required), syntax=run_process
207      qualifier io_direct, value(required), syntax=run_process
208      qualifier enqueue_limit, value(required), syntax=run_process
209      qualifier extent,    value(required), syntax=run_process
210      qualifier detached,  syntax=run_process
211      qualifier dump,      syntax=run_process
212      qualifier job_table_quota, value(required), syntax=run_process
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001)
_S255SDUA28:[CLD.SRC]RUNOFF.CLD;1 (1)

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Version: 'V04-000'

14 February 1984

Command-line description file for RUNOFF

define type contents_page_options

keyword running, negatable
keyword level, value(required, type=\$number)

define type index_page_options

keyword running, negatable

define syntax RUN_CONTENTS

image DSRTOC

parameter p1, label=input, prompt='File', value(required, list, type=\$infile)

qualifier bold

qualifier deepest_header, value(required, type=\$number), nonnegatable

qualifier identification

qualifier indent

qualifier log

qualifier output, value(type=\$outfile), default

qualifier page_numbers, value(required, list, type=contents_page_options), nonnegatable

qualifier require, value(required, type=\$infile)

qualifier section_numbers

qualifier underline

define syntax RUN_INDEX

image DSRINDEX

parameter p1, label=input, prompt='File', value(required, list, type=\$infile)

qualifier identification

qualifier lines_per_page, value(required, type=\$number), nonnegatable

qualifier log

qualifier output, value(type=\$outfile), default

qualifier page_numbers, value(list, type=index_page_options), default

qualifier require, value(required, type=\$infile)

qualifier reserve, value(required, type=\$number)

define type debug_options

keyword all, default

keyword conditionals

keyword contents

keyword files

keyword index

define type message_options

keyword output

keyword user

define verb RUNOFF

image RUNOFF

parameter p1, label=p1, prompt='File', value(required, list, type=\$infile)

qualifier backspace, placement=positional, nonnegatable

qualifier bold, value(default=1, type=\$number), default, placement=positional

qualifier changeBars, value(default='|'), placement=positional

qualifier contents, syntax=run_contents

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255SDUA28:[CLD.SRC]RUNOFF.CLD;1 (1)

57	qualifier	debug,	value(list, type=debug_options, default=ALL), placement=positional
58	qualifier	dec_internal,	value(list), placement=positional, nonnegatable
59	qualifier	device,	value(required, list), placement=positional, nonnegatable
60	qualifier	down,	value(default=5, type=\$number) placement=positional
61	qualifier	form_size,	value(required, type=\$number), nonnegatable
62	qualifier	index,	syntax=run_index
63	qualifier	intermediate,	value(type=\$outfile), placement=positional
64	qualifier	log	
65	qualifier	messages,	value(required, type=message_options, list), placement=positional, nonnegatable
66	qualifier	output,	value(type=\$outfile), placement=positional
67	qualifier	overprint,	default, placement=positional, nonnegatable
68	qualifier	pages,	value(required), placement=positional, nonnegatable
69	qualifier	pause	
70	qualifier	right,	value(default=5, type=\$number), placement=positional
71	qualifier	sequence	placement=positional
72	qualifier	simulate	
73	qualifier	underline_character,	value(default=''), default, placement=positional
74	qualifier	separate_underline,	value(default=''), placement=positional, nonnegatable
75	qualifier	nonspacing_underline,	value(default=''), placement=positional, nonnegatable
76	qualifier	variant,	value, placement=positional, nonnegatable

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255\$DUA28:[CLD.SRC]SEARCH.CLD;1 (1)

```
1  |
2  | : Version:  'V04-000'
3  | :
4  |
5  | define type search_matches
6  |     keyword and
7  |     keyword or,default
8  |     keyword nand
9  |     keyword nor
10 |
11 | define type search_formats
12 |     keyword passall
13 |     keyword text,default
14 |     keyword dump
15 |     keyword nonulls
16 |
17 | define verb search
18 |     image search
19 |     parameter p1,prompt='Filename(s)',value(required,list,type=$infile),
20 |         label=source
21 |     parameter p2,prompt='String(s)',value(required,list),label=string
22 |     qualifier exact
23 |     qualifier exclude,value(required,list),nonnegatable
24 |     qualifier format,value(type=search_formats,default=TEXT),
25 |         default,nonnegatable
26 |     qualifier heading,default
27 |     qualifier log
28 |     qualifier match,value(type=search_matches,default=OR),
29 |         default,nonnegatable
30 |     qualifier numbers
31 |     qualifier output,value(default=SYS$OUTPUT,type=$outfile),default
32 |     qualifier remaining
33 |     qualifier statistics
34 |     qualifier window,value(default=5,list)
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001)
_S255\$DUA28:[CLD.SRC]MCRSET.CLD;1 (1)

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V03-040 JAK0226 J A Krycka 16-Aug-1984
Change /OWNER to /OWNER_UIC on SET QUEUE for consistency with
other commands.

V03-039 CWH3039 CW Hobbs 27-Jul-1984
Comment out disallow references to /WRITE and /CONTROLLER
for SET DEVICE /SERVED

V03-038 AEW0003 Anne E. Warner 25-Jul-1984
1. Take \$DELTATIME value out of SET VOLUME/RETENTION.
This was added in V03-073.
2. Comment out the qualifiers /[NO]WRITE and /CONTROLLER
in SET DEVICE/SERVED.
3. Make SYNTAX= qualifiers nonnegatable throughout SET.
4. Make qualifiers negatable in SET:
ACCOUNTING PASSWORD
CARD READER PROCESS
DAYTIME PROTECTION
DEVICE RMS DEFAULT
DIRECTORY VOLUME
FILE WORKING_SET
LOGINS
MESSAGE
MAGTAPE

V03-037 MAJ0008 Melanie Johnson 24-Jul-1984
Include missing edits from PCG0019 in SET.CLD.

V03-036 JAK0220 J A Krycka 12-Jul-1984
Add [NO]FEED option to the /DEFAULT qualifier.

V03-035 DAS0003 David Solomon 09-Jul-1984
Add SET VOLUME/REBUILD.

V03-034 LMP0260 L. Mark Pilant, 25-Jun-1984 14:08
Add a qualifier, /DEFAULT, to be used with SET ACL/LIKE to
only copy default option ACEs.

V03-033 JLV0355 Jake VanNoy 12-APR-1984
Add SET HOST/DTE/DIAL

V03-032 ROW0349 Ralph O. Weber 12-APR-1984
Add SET DEVICE/[NO]DIAGNOSTIC.
Add SET HOST/HSC with executed image HSCPAD.
Add SET PRINTER /FORM_UNIT /TRUNCATE /TAB /SIXELS /BITMAPPED
for Elliott.

V03-031 PCG0001 Peter George 30-Mar-1984
Add SET RMS/NETWORK BLOCK COUNT.
Add SET DEVICE/SERVED/NOWRITE/CONTROLLER.
Specify SET VOL/RETENTION takes delta time values.

V03-030 LMP0217 L. Mark Pilant, 24-Mar-1984 22:28
Change all refernces to SETACL to be SETSHOACL.

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255\$DUA28:[CLD.SRC]MCRSET.CLD;1 (1)

57
58 V03-029 BLS0291 Benn Schreiber 24-MAR-1984
59 SET PASSWORD is now in SETPO
60
61 V03-028 MAJ0007 Melanie A. Johnson 15-Mar-1984
62 Add HSW0030, LMP0210, HWS0024, SHZ003, HWS0018, PCG0017,
63 LMP0185, MMD0230, AEW0002, AEW0001 from SET.CLD.
64
65 V03-027 PRB0322 Paul Beck 11-Mar-1984
66 Add SET CLUSTER /QUORUM
67
68 V03-026 PLL0003 Pamela Levesgue 08-Mar-1984
69 Remove required types for SET TERM/DEVICE (to allow
70 SET TERM to use termtable defined terminals)
71
72 V03-025 EMD0056 Ellen M. Dusseault 02-Mar-1984
73 Add new terminal name, PRO_SERIES, for SET TERMINAL
74 /DEVICE=
75
76 V03-024 EMD0053 Ellen M. Dusseault 28-Feb-1984
77 Allow SET TERMINAL qualifier, dec_crt, to have a value
78 and also a list of elements.
79
80 V03-023 MCN0154 Maria del C. Nasr 27-Feb-1984
81 Add DETACHED, SUBPROCESS to /ENABLE in SET ACCOUNTING.
82
83 V03-022 RSH0107 R. Scott Hanna 24-Feb-1984
84 Fix field test 1 problems with SET AUDIT.
85
86 V03-021 SHZ0002 Stephen H. Zalewski 13-Feb-1984
87 Add /SECONDARY to SET PASSWORD.
88
89 V03-020 DAS0002 David Solomon 6-Feb-1984
90 Remove /JOURNAL keyword from SET FILE and SET AUDIT.
91
92 V03-019 MCN0146 Maria del C. Nasr 01-Feb-1984
93 Add MESSAGE keyword to /ENABLE in SET ACCOUNTING.
94
95 V03-018 EMD0043 Ellen M. Dusseault 31-Jan-1984
96 add /FALLBACK to SET PRINTER
97
98 V03-017 SHZ0001 Stephen H. Zalewski 03-Jan-1984
99 add /GENERATE to SET PASSWORD.
100
101 V03-016 MAJ0006 Melanie Johnson 14-Sep-1983
102 Update to the same level as SET.CLD V03-047 by adding
103 SET HOST/SNA/CHARACTER_SET and SET TERMINAL/SYSPASSWORD.
104
105 V03-015 GAS0175 Gerry Smith 30-Aug-1983
106 Add SET BROADCAST.
107
108 V03-014 BLS0232 Benn Schreiber 5-Aug-1983
109 Add SET TERM/PASTHRU
110
111 V03-013 MAJ0005 Melanie Johnson 29-Jul-1983
112 Add SET HOST/BTS. Enhance SET QUEUE to match SET.CLD

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VAX/VMS Command Definition Utility (V4-001) Page 3
_S255SDUA28:[CLD.SRC]MCRSET.CLD;1 (1)

113 V03-043. Change \$PARENTHESED_VALUE TO \$ACL as in
114 SET.CLD V03-040.
115
116 V03-012 GAS0153 Gerry Smith 25-Jul-1983
117 Add SET AUDIT.
118
119 V03-011 GAS0139 Gerry Smith 17-Jun-1983
120 Add SET PASSWORD/SYSTEM.
121
122 V03-010 JLV0271 Jake VanNoy 14-JUN-1983
123 Add SET HOST/LOG=output_file
124
125 V03-009 MAJ0004 Melanie Johnson 27-May-1983
126 Synchronize with SET.CLD V03-035. Remove SET MAILBOX.
127
128 V03-008 JLV0256 Jake VanNoy 26-May-1983
129 Change default of set host/old.
130
131 V03-007 RSH0025 R. Scott Hanna 24-May-1983
132 Add SECURITY privilege
133
134 V03-006 MAJ0003 Melanie Johnson 29-Apr-1983
135 Synchronize with SET.CLD V03-027. Sigh.
136 Add SET MAILBOX.
137
138 V03-005 KPL0001 Peter Lieberwirth 29-Apr-1983
139 Add the /AI_JOURNAL, /BI_JOURNAL, and /AT_JOURNAL
140 qualifiers.
141
142 V03-004 PRB0175 Paul Beck 26-APR-1983 21:29:34
143 Add TMPJNL and PRMJNL privileges
144
145 V03-003 MAJ0002 Melanie Johnson 11-Apr-1983
146 Reconvert SET.CLD to MCRSET.CLD because everyone who
147 has changed SET.CLD has carelessly ignored the warning
148 in SET.CLD which says that MCRSET.CLD must also be changed!
149
150 V03-002 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
151 Make all necessary changes for new CDU.
152
153 V03-001 MAJ0001 Melanie Johnson 11-Feb-1983
154 Update this CLD to be parallel with V03-014 of SET.CLD.
155
156 *****
157 from SET.CLD
158
159 V03-049 AEW0002 Anne Warner 15-Dec-1983
160 Add /PROTECTION to SET FILE
161
162 V03-048 AEW0001 Anne Warner 08-Nov-1983
163 Add /UNLOCK to SET FILE
164
165 V03-019 GAS0112 Gerry Smith 29-Mar-1983
166 Add labels for the parts of set which are being
167 converted to the new CLI interface.
168

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VAX/VMS Command Definition Utility (V4-001) Page 4
_S255\$DUA28:[CLD.SRC]MCRSET.CLD;1 (1)

169 V03-018 PCG0009 Peter George 28-Mar-1983
170 Add SET KEY.
171 Delete MCR-specific statements.
172
173 V03-017 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
174 Replace definition of SET COMMAND for new CDU.
175 Make all necessary changes for new CDU.
176
177 V03-016 GAS0106 Gerry Smith 12-Mar-1983
178 Add five new privileges, as well as /LOG to
179 many new SET options.
180
181 V03-015 MLJ0015 Martin L. Jack 01-Mar-1983
182 Changes for new QUEMAN image.
183
184 V03-014 PCA1008 Paul C. Anagnostopoulos 11 Feb 1983
185 Add a comment about the equivalent CLD for MCR.
186
187 V03-013 JLV0229 Jake VanNoy 11-Feb-1983
188 Add temporary /OLD to SET HOST as a means of using
189 either protocol to remote node.
190
191 V03-012 PCA1008 Paul C. Anagnostopoulos 10 Feb 1983
192 Remove MCRIGNORE flag from SET_PROMPT syntax definition, as
193 the new CDU won't support it.
194
195 V03-011 GAS0105 Gerry Smith 27-Jan-1983
196 Add /LOG qualifier.
197
198 V03-010 MLJ0010 Martin L. Jack 01-Jan-1983
199 Changes for new QUEMAN image.
200
201 V03-009 PCG0008 Peter George 19-Nov-1982
202 Correct placement of PROMPT keyword.
203
204 V03-008 PCG0007 Peter George 14-Nov-1982
205 Set MCRIGNORE flag for SET PROMPT.
206
207 V03-007 PCG0006 Peter George 29-Oct-1982
208 Add SET PROMPT. Fix SET TIME.
209
210 V03-006 PCG0005 Peter George 21-Oct-1982
211 Make SET PROTECTION work.
212
213 V03-005 DWT0061 David Thiel 20-Oct-1982
214 Use keywords for value of /CLI qualifier
215
216 V03-004 PCG0004 Peter George 19-Oct-1982
217 Correct spelling of SET CONTROL Y keyword.
218 Copy previous parameter definitions into each
219 DEFINE SYNTAX statement.
220
221 V03-003 PCG0003 Peter George 06-Oct-1982
222 Correct placement of /PROTECTION and /DEFAULT
223 qualifiers to SET PROTECTION. Put - optdelim
224 flag into cliflags construct.

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VAX/VMS Command Definition Utility (V4-001) Page 5
_S255\$DUA28:[CLD.SRC]MCRSET.CLD;1 (1)

```
225 |
226 |      V03-002 PCG0002      Peter George      03-Aug-1982
227 |      Add SET HOST/SNA
228 |
229 |      V03-001 PCG0001      Peter George      15-Jul-1982
230 |      Allow negated privileges
231 | *****
232 |
233 | define type file_access_types
234 |     keyword all
235 |     keyword control
236 |     keyword delete
237 |     keyword execute
238 |     keyword read
239 |     keyword write
240 |
241 | define type file_audit_types
242 |     keyword all
243 |     keyword bypass,      value(list,default=all,type=file_access_types)
244 |     keyword downgrade,   value(list,default=all,type=file_access_types)
245 |     keyword failure,     value(list,default=all,type=file_access_types)
246 |     keyword grppriv,     value(list,default=all,type=file_access_types)
247 |     keyword readall,     value(list,default=all,type=file_access_types)
248 |     keyword success,     value(list,default=all,type=file_access_types)
249 |     keyword syspriv,     value(list,default=all,type=file_access_types)
250 |     keyword upgrade,     value(list,default=all,type=file_access_types)
251 |
252 | define type breakin_types
253 |     keyword all
254 |     keyword detached
255 |     keyword dialup
256 |     keyword local
257 |     keyword network
258 |     keyword remote
259 |
260 | define type loginout_types
261 |     keyword all
262 |     keyword batch
263 |     keyword detached
264 |     keyword dialup
265 |     keyword local
266 |     keyword network
267 |     keyword remote
268 |     keyword subprocess
269 |
270 | define type audit_types
271 |     keyword acl
272 |     keyword all
273 |     keyword authorization
274 |     keyword file_access, value(required,list,type=file_audit_types)
275 |     keyword breakin,     value(required,list,type=breakin_types)
276 |     keyword logfailure,  value(required,list,type=loginout_types)
277 |     keyword login,       value(required,list,type=loginout_types)
278 |     keyword logout,     value(required,list,type=loginout_types)
279 |     keyword mount
280 |
```

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VAX/VMS Command Definition Utility (V4-001) Page 6
_S255\$DUA28:[CLD.SRC]MCRSET.CLD;1 (1)

```
281 define type keep_file
282     keyword recovery
283     keyword journal
284
285 define type mode_types
286     keyword prompt,          default,negatable
287
288 define type acl_objects
289     keyword file
290     keyword device
291     keyword queue
292     keyword event_cluster
293     keyword logical_name_table
294     keyword process
295     keyword global_section
296
297 define type skiptypes
298     keyword end_of_tape
299     keyword files,value
300     keyword blocks,value
301     keyword records,value
302
303 define type print_bft
304     keyword all,default
305     keyword one
306
307 define type defaults
308     keyword burst,negatable,value(type=print_bft)
309     keyword feed,negatable
310     keyword flag,negatable,value(type=print_bft)
311     keyword trailer,negatable,value(type=print_bft)
312
313 define type retain
314     keyword all,default
315     keyword error
316
317 define type protection
318     keyword system,value
319     keyword group,value
320     keyword owner,value
321     keyword world,value
322
323 define type control_keys
324     keyword y
325
326 define type verify_keys
327     keyword procedure,negatable
328     keyword image,negatable
329
330 define type privileges
331     keyword acct,negatable
332     keyword allspool,negatable
333     keyword altpri,negatable
334     keyword bugchk,negatable
335     keyword bypass,negatable
336     keyword cmexec,negatable
```


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VAX/VMS Command Definition Utility (V4-001) Page 7
_S255SDUA28:[CLD.SRC]MCRSET.CLD;1 (1)

```
337 keyword cmkrnl,negatable
338 keyword detach,negatable
339 keyword diagnose,negatable
340 keyword downgrade,negatable
341 keyword exquota,negatable
342 keyword group,negatable
343 keyword grnam,negatable
344 keyword grpdrv,negatable
345 keyword log_io,negatable
346 keyword mount,negatable
347 keyword netmbx,negatable
348 keyword oper,negatable
349 keyword pfnmap,negatable
350 keyword phy_io,negatable
351 keyword prmceb,negatable
352 keyword prmdbl,negatable
353 keyword prmjnl,negatable
354 keyword prmbx,negatable
355 keyword pswapm,negatable
356 keyword readall,negatable
357 keyword same,negatable
358 keyword security,negatable
359 keyword setdrv,negatable
360 keyword share,negatable
361 keyword shmem,negatable
362 keyword syslck,negatable
363 keyword sysdbl,negatable
364 keyword sysnam,negatable
365 keyword sysdrv,negatable
366 keyword tmpjnl,negatable
367 keyword tmpmbx,negatable
368 keyword upgrade,negatable
369 keyword volpro,negatable
370 keyword world,negatable
371
372 define type accounting_types
373     keyword batch
374     keyword interactive
375     keyword login_failure
376     keyword print
377     keyword process
378     keyword network
379     keyword image
380     keyword message
381     keyword detached
382     keyword subprocess
383
384 define type brdcst_types
385     keyword all
386     keyword none
387     keyword general,negatable
388     keyword phone,negatable
389     keyword mail,negatable
390     keyword queue,negatable
391     keyword shutdown,negatable
392     keyword urgent,negatable
```

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VAX/VMS Command Definition Utility (V4-001) Page 8
_S255SDUA28:[CLD.SRC]MCRSET.CLD;1 (1)

```
393 keyword dcl,negatable
394 keyword opcom,negatable
395 keyword user1,negatable
396 keyword user2,negatable
397 keyword user3,negatable
398 keyword user4,negatable
399 keyword user5,negatable
400 keyword user6,negatable
401 keyword user7,negatable
402 keyword user8,negatable
403 keyword user9,negatable
404 keyword user10,negatable
405 keyword user11,negatable
406 keyword user12,negatable
407 keyword user13,negatable
408 keyword user14,negatable
409 keyword user15,negatable
410 keyword user16,negatable
411
412 define type journal_keywords
413     keyword ai,negatable,value
414     keyword at,negatable,value
415     keyword bi,negatable,value
416     keyword never_ru,negatable
417     keyword only_ru,negatable
418     keyword ru,negatable
419
420 define type schedule
421     keyword size,negatable
422
423 define type separate
424     keyword burst,negatable
425     keyword flag,negatable
426     keyword reset,negatable,value(required,list)
427     keyword trailer,negatable
428
429 define type protocol_types
430     keyword none
431     keyword ddcmp
432
433 define type psisetx29_int_brk
434     keyword action,negatable,value(type=psisetx29_action,required,list)
435         label=psisetx29_action
436     keyword string,negatable,value(required),label=psisetx29_string
437
438 define type psisetx29_action
439     keyword purge negatable,label=psisetx29_purge
440     keyword reset negatable,label=psisetx29_reset
441     keyword clear negatable,label=psisetx29_clear
442
443 define type x29_param_type
444     keyword break, label=x29_break,negatable,
445         value(type=$number,default=1)
446     keyword 7, label=x29_break_n,
447         value(required,type=$number)
448     keyword crfill, label=x29_crfill,negatable,
```



```

449      value(type=$number,default=1)
450      keyword 9,      label=x29_crfill_n,
451      value(required,type=$number)
452      keyword delete, label=x29_delete,negatable,
453      value(type=$number,default=1)
454      keyword 16,      label=x29_delete_n,
455      value(required,type=$number)
456      keyword discard_output, label=x29_discard_output,negatable,
457      value(type=$number,default=1)
458      keyword 8,      label=x29_discard_output_n,
459      value(required,type=$number)
460      keyword echo,    label=x29_echo,negatable,
461      value(type=$number,default=1)
462      keyword 2,      label=x29_echo_n,
463      value(required,type=$number)
464      keyword edit,    label=x29_edit,negatable,
465      value(type=$number,default=1)
466      keyword 15,      label=x29_edit_n,
467      value(required,type=$number)
468      keyword escape_character, label=x29_escape,negatable,
469      value(type=$number,default=1)
470      keyword 1,      label=x29_escape_n,
471      value(required,type=$number)
472      keyword forwarding_characters, label=x29_forwarding,negatable,
473      value(type=$number,default=1)
474      keyword 3,      label=x29_forwarding_n,
475      value(required,type=$number)
476      keyword hostsync, label=x29_hostsync,negatable,
477      value(type=$number,default=1)
478      keyword 5,      label=x29_hostsync_n,
479      value(required,type=$number)
480      keyword lffill,  label=x29_lffill,negatable,
481      value(type=$number,default=1)
482      keyword 14,      label=x29_lffill_n,
483      value(required,type=$number)
484      keyword line_delete, label=x29_line_delete,negatable,
485      value(type=$number,default=1)
486      keyword 17,      label=x29_line_delete_n,
487      value(required,type=$number)
488      keyword messages, label=x29_messages,negatable,
489      value(type=$number,default=1)
490      keyword 6,      label=x29_messages_n,
491      value(required,type=$number)
492      keyword new_line, label=x29_new_line,negatable,
493      value(type=$number,default=1)
494      keyword 13,      label=x29_new_line_n,
495      value(required,type=$number)
496      keyword redisplay_line, label=x29_redisplay_line,negatable,
497      value(type=$number,default=1)
498      keyword 18,      label=x29_redisplay_line_n,
499      value(required,type=$number)
500      keyword speed,    label=x29_speed,negatable,
501      value(type=$number,default=1)
502      keyword 11,      label=x29_speed_n,
503      value(required,type=$number)
504      keyword timeout,  label=x29_timeout,negatable,

```

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_S255SDUA28:[CLD.SRC]MCRSET.CLD;1 (1)

```
505      value(type=$number,default=1)
506      keyword 4,      label=x29_timeout_n,
507      value(required,type=$number)
508      keyword ttsync, label=x29_ttsync_negatable,
509      value(type=$number,default=1)
510      keyword 12,      label=x29_ttsync_n,
511      value(required,type=$number)
512      keyword wrap,    label=x29_wrap_negatable,
513      value(type=$number,default=1)
514      keyword 10,      label=x29_wrap_n,
515      value(required,type=$number)
516
517 define syntax acledit
518     image acledt
519     parameter p1,label=option,value(required)
520     parameter p2,prompt="File",value(required,type=$infile),label=input
521     qualifier journal,      default,value(type=$infile)
522     qualifier recover,      value(type=$infile)
523     qualifier keep,         value(list,type=keep_file)
524     qualifier mode,         default,value(type=mode_types)
525     qualifier object_type,  value(type=acl_objects)
526
527 define syntax set_accounting
528     prefix cli$K_stac
529     parameter p1,label=option,value(required)
530     qualifier disable,      value(list,type=accounting_types)
531     qualifier enable,       value(list,type=accounting_types)
532     qualifier new_file
533     qualifier log
534
535 define type set_acl_like
536     keyword object_name,    value(required)
537     keyword object_type,    value(required,type=acl_objects)
538
539 define type dial_keywords
540     keyword number,         value(required)
541     keyword modem_type,     value(default=DF03),default
542
543 define syntax set_acl
544     image setshoacl
545     parameter p1,label=option,value(required)
546     parameter p2,prompt="Object",value(list,required,type=$infile),label=input
547     qualifier acl,          value(list,type=$acl)
548     qualifier after,        value(required,type=$acl)
549     qualifier backup
550     qualifier before,       value(default=today)
551     qualifier by_owner,     value(type=$uic)
552     qualifier confirm
553     qualifier created
554     qualifier default
555     qualifier delete
556     qualifier edit,         syntax=acledit,nonnegatable
557     qualifier exclude,      value(required,list)
558     qualifier expired
559     qualifier like,         value(required,type=set_acl_like)
560     qualifier log
```

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```
561     qualifier modified
562     qualifier new
563     qualifier object_type, value(type=acl_objects)
564     qualifier replace, value(required,list,type=$acl)
565     qualifier since, value(default=today)
566
567 define syntax set_audit
568     parameter pT,label=option,value(required)
569     disallow not_alarm
570     disallow not_enable and not_disable
571     qualifier alarm, nonnegatable
572     qualifier disable, nonnegatable,value(required,list,type=audit_types)
573     qualifier enable, nonnegatable,value(required,list,type=audit_types)
574     qualifier log nonnegatable
575
576 define syntax set_broadcast
577     parameter pT,label=option,value(required,list,type=set_options)
578     noqualifiers
579
580 define syntax set_card_reader
581     prefix cli$_stcr
582     parameter p1,label=option,value(required)
583     parameter p2,label=device,prompt='Device',value(required,type=$device)
584     qualifier 026
585     qualifier 029
586     qualifier log
587
588 define syntax set_cluster
589     prefix cli$_stcl
590     qualifier quorum, value,nonnegatable
591
592 define syntax set_control
593     parameter pT,label=option,value(required)
594     noqualifiers
595     cliroutine setctly
596
597 define syntax set_device
598     prefix cli$_stdv
599     parameter p1,label=option,value(required)
600     parameter p2,label=file,prompt='Device',value(required,type=$device)
601     qualifier spooled, value(list)
602     qualifier error_logging
603     qualifier available
604     qualifier dual_port
605     qualifier log
606     qualifier served
607     ! qualifier write
608     ! qualifier controller, value(required)
609     qualifier diagnostic
610
611     qualifier acl, syntax=set_dev_acl,
612     value(list,type=$acl),nonnegatable
613     qualifier after, value(required,type=$acl)
614     qualifier default
615     qualifier delete
616     qualifier edit, syntax=acledit,nonnegatable
```

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```
617     qualifier like,                value(required,type=$device)
618     qualifier new
619     qualifier replace,              value(required,list,type=$acl)
620 !    disallow (write or controller or neg write) and not served
621
622 define syntax set_dev_acl
623     image setshoacl
624     parameter p1,label=option,value(required)
625     parameter p2,prompt="Device",value(list,required,type=$infile),label=input
626
627 define syntax set_default
628     cliroutine setdefault
629     parameter p1,label=option,value(required)
630     parameter p2,prompt="Directory",value(required,type=$directory)
631     noqualifiers
632
633 define syntax set_directory
634     prefix cli$K_stdi
635     parameter p1,label=option,value(required)
636     parameter p2,label=directory,prompt="Directory",value(list,required,impcat,type=$directory)
637     qualifier confirm
638     qualifier log
639     qualifier owner_uic,              value(type=$uic)
640     qualifier version_limit,          value
641     qualifier exclude,                value(required,list)
642     qualifier before,                 value(default=today)
643     qualifier since,                  value(default=today)
644     qualifier backup
645     qualifier created
646     qualifier modified
647     qualifier expired
648     qualifier by_owner,               value(type=$uic)
649     qualifier acl,                    syntax=set_dir_acl,
650                                     value(list,type=$acl),nonnegatable
651     qualifier after,                  value(required,type=$acl)
652     qualifier default
653     qualifier delete
654     qualifier edit,                   syntax=acledit,nonnegatable
655     qualifier like,                   value(required,type=$infile)
656     qualifier new
657     qualifier replace,                 value(required,list,type=$acl)
658
659 define syntax set_dir_acl
660     image setshoacl
661     parameter p1,label=option,value(required)
662     parameter p2,prompt="Directory",value(list,required,type=$infile),label=input
663
664 define syntax set_file
665     prefix cli$K_stfl
666     parameter p1,label=option,value(required)
667     parameter p2,label=file,prompt="File",value(list,impcat,required,type=$infile)
668     qualifier backup
669     qualifier confirm
670     qualifier data_check,              value(list)
671     qualifier end_of_file,
672     qualifier enter                     value(required,type=$infile)
```

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673     qualifier erase_on_delete
674     qualifier expiration_date,      value(required,type=$datetime)
675     qualifier extension,            value
676     qualifier global_buffers,       value(required)
677     !**JNL**      qualifier journal, value(required,list,
678     !**JNL**                                     type=journal_keywords),nonnegatable
679     qualifier log
680     qualifier nodirectory
681     qualifier owner_uic,            value(type=$infile)
682     qualifier record_protection,    value
683     qualifier truncate
684     qualifier remove
685     qualifier version_limit,        value
686     qualifier exclude,             value(required,list)
687     qualifier before,              value(default=today)
688     qualifier since,               value(default=today)
689     qualifier created
690     qualifier modified
691     qualifier by_owner,            value(type=$uic)
692     qualifier acl,                 syntax=set_file_acl,
693                                     value(list,type=$acl),nonnegatable
694     qualifier after,               value(required,type=$acl)
695     qualifier default
696     qualifier delete
697     qualifier edit,                syntax=acledit,nonnegatable
698     qualifier like,                value(required,type=$infile)
699     qualifier new
700     qualifier replace,             value(required,list,type=$acl)
701     qualifier unlock,
702     qualifier protection,          value(list,type=protection)
703
704 define syntax set_file_acl
705     image setshoacl
706     parameter p1,label=option,value(required)
707     parameter p2,prompt='file',value(list,required,type=$infile),label=input
708
709 define syntax set_host_bts
710     image btslnk
711     qualifier exit_key,            label=exitkey,nonnegatable,value(required)
712
713 define syntax set_host_hsc
714     image hscpad
715     noqualifiers
716
717 define syntax set_host_sna
718     image snaterm
719     qualifier access_name, label=snaterm_access_name,
720                             value(required),nonnegatable,placement=global
721     qualifier session_address, label=snaterm_session_addr,
722                             value(required),nonnegatable,placement=global
723     qualifier circuit, label=snaterm_circuit,
724                             value(required),nonnegatable,placement=global
725     qualifier application_name, label=snaterm_appl_name,
726                             value(required),nonnegatable,placement=global
727     qualifier logon_mode, label=snaterm_logon_mode,
728                             value(required),nonnegatable,placement=global

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729     qualifier user_name,      label=snaterm_user_name,
730                                value(required),nonnegatable,placement=global
731     qualifier data,           label=snaterm_data,
732                                value(required),nonnegatable,placement=global
733     qualifier password,       label=snaterm_password,
734                                value(required),nonnegatable,placement=global
735     qualifier printer,        label=snaterm_printer,
736                                value(required,type=$outfile),
737                                nonnegatable,placement=global
738     qualifier wait,           label=snaterm_wait,placement=global
739     qualifier character_set,   label=snaterm_character_set,
740                                value(required,type=$infile),nonnegatable
741
742     define      syntax set_host_x29_ccitt
743     parameter p1,             label=option,value(required)
744     parameter p2,             label=psipad_dte,prompt='Node'
745     disallow <set_host_x29>psipad_parameters.x29_speed
746     disallow <set_host_x29>psipad_parameters.x29_speed_n
747     disallow not psipad_dte and (
748                                <set_host_x29>psipad_cug or
749                                <set_host_x29>psipad_facilities or
750                                <set_host_x29>psipad_fast_select or
751                                <set_host_x29>psipad_local_dte or
752                                <set_host_x29>psipad_packet_size or
753                                <set_host_x29>psipad_protocol_id or
754                                <set_host_x29>psipad_reverse or
755                                <set_host_x29>psipad_subaddress or
756                                <set_host_x29>psipad_thruput_class or
757                                <set_host_x29>psipad_user_data or
758                                <set_host_x29>psipad_window_size )
759
760     define      syntax set_host_x29
761     image psipad
762     parameter p1,             label=option,value(required)
763     parameter p2,             label=psipad_dte,prompt='Node',value(required)
764     qualifier ccitt,           label=psipad_ccitt,syntax=set_host_x29_ccitt,
765                                nonnegatable
766     qualifier closed_user_group, label=psipad_cug,nonnegatable,value
767     qualifier default_escape_character, label=psipad_dle,default,
768                                value(default=P)
769     qualifier facilities,      label=psipad_facilities,
770                                value(required,list,type=$number)
771     qualifier fast_select,     label=psipad_fast_select
772     qualifier local_dte,       label=psipad_local_dte,value(required)
773     qualifier log,             label=psipad_log,
774                                value(type=$outfile,default=PSIPAD.LOG)
775     qualifier packet_size,     label=psipad_packet_size,
776                                value(type=$number,required)
777     qualifier parameters,      label=psipad_parameters,
778                                value(type=x29_param_type,list,required)
779     qualifier profile,         label=psipad_profile,value(required,list)
780     qualifier protocol_identifier, label=psipad_protocol_id,nonnegatable,
781                                value(required)
782     qualifier reverse_charging, label=psipad_reverse
783     qualifier statistics,      label=psipad_statistics,default
784     qualifier subaddress,      label=psipad_subaddress,value(required)

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785     qualifier thruput_class, label=psipad_thruput_class,
786                               value(required,type=$number)
787     qualifier user_data,      label=psipad_user_data,value(required)
788     qualifier vms_mode,       label=psipad_vms_mode
789     qualifier window_size,    label=psipad_window_size,
790                               value(required,type=$number)
791     disallow psipad_parameters.x29_speed
792     disallow psipad_parameters.x29_speed_n
793
794 define syntax set_host
795     image rtpad
796     parameter p1,label=option,value(required)
797     parameter p2,prompt='Node',value(required,type=$node),
798               label=node
799     qualifier sna,            nonnegatable,syntax=set_host_sna
800     qualifier bts,            nonnegatable,syntax=set_host_bts
801     qualifier old,            label=old
802     qualifier log,            label=log,
803                               value(default=SETHOST.LOG,type=$outfile)
804     qualifier dte,            label=dte
805     qualifier dial,           value(list,type=dial_keywords)
806     qualifier hsc,            nonnegatable,syntax=set_host_hsc
807     qualifier x29,            nonnegatable,syntax=set_host_x29
808
809 define syntax set_logins
810     prefix cli$K_stlg
811     parameter p1,label=option,value(required)
812     qualifier interactive, value
813
814 define syntax set_magtape
815     prefix cli$K_stmt
816     parameter p1,label=option,value(required)
817     parameter p2,label=device,prompt='Device',value(required,type=$device)
818     qualifier density,        value(required)
819     qualifier rewind
820     qualifier unload
821     qualifier logsoft
822     qualifier log
823     qualifier end_of_file
824     qualifier skip,           value(required,type=skiptypes)
825
826 define syntax set_message
827     image setp0
828     prefix cli$K_stms
829     parameter p1,label=option,value(required)
830     parameter p2,label=file,prompt='File',value(type=$infile)
831     qualifier delete
832     qualifier facility
833     qualifier ident
834     qualifier severity
835     qualifier text
836     qualifier language,       value(required)
837
838 define syntax set_on
839     cliroutine seton
840     parameter p1,label=option,value(required)

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841      noqualifiers
842
843 define syntax set_password
844     image setp0
845     parameter p1,label=option,value(required)
846     qualifier generate      value(type=$number)
847     qualifier secondary
848     qualifier system
849
850 define syntax set_printer
851     prefix cli$K_stlp
852     parameter p1,label=option,value(required)
853     parameter p2,label=device,prompt="Device",value(required,type=$device)
854     qualifier cr
855     qualifier ff
856     qualifier uppercase
857     qualifier lowercase
858     qualifier la11          nonnegatable
859     qualifier la180         nonnegatable
860     qualifier lp11          nonnegatable
861     qualifier page,         default,value,nonnegatable
862     qualifier unknown       nonnegatable
863     qualifier width,        default,value,nonnegatable
864     qualifier passall
865     qualifier fallback
866     qualifier davfu
867     qualifier form_unit
868     qualifier wrap
869     qualifier printall
870     qualifier log
871     qualifier truncate
872     qualifier tab
873     qualifier sixels
874     qualifier bitmapped
875
876 define syntax set_process
877     prefix cli$K_stpc
878     cliroutine setprocess
879     parameter p1,label=option,value(required)
880     parameter p2,label=process,prompt="Process",value(type=$process)
881     qualifier identification,value(required)
882     qualifier priority,      value(required)
883     qualifier resource_wait
884     qualifier swapping
885     qualifier privileges,    value(list,required,type=privileges)
886     qualifier suspend
887     qualifier resume,
888     qualifier name,          value(required)
889
890 define syntax set_def_prot
891     cliroutine setprot
892     prefix cli$K_stpr
893     parameter p1,label=option,value(required)
894     qualifier default
895
896 define syntax set_protection

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897 prefix cli$sk_stpr
898 parameter p1,label=option,value(required,type=set_options)
899 parameter p2,label=file,prompt='File',value(list,required,impcat,type=$infile)
900 qualifier default,syntax=set_def_prot,nonnegatable
901 qualifier protection,placement=local,
902 value(list,type=protection,required)
903
904 qualifier device
905 qualifier owner_uic,value(type=$uic)
906 qualifier confirm
907 qualifier log
908
909 define syntax set_queue
910 image queman
911 parameter p1,label=option,value(required,type=set_options)
912 parameter p2,prompt='Queue'
913 qualifier after,value(required,type=$datetime)
914 qualifier base_priority,value(required)
915 qualifier block_limit,value(required,list)
916 qualifier burst
917 qualifier characteristics,value(required,list)
918 qualifier checkpoint,default
919 qualifier cli,value(required)
920 qualifier copies,value(required)
921 qualifier cpudefault,value(required)
922 qualifier cpumaximum,value(required)
923 qualifier cputime,value(required)
924 qualifier default,value(required,list,type=defaults)
925 qualifier delete
926 qualifier disable_swapping
927 qualifier enable_generic
928 qualifier entry,value(required)
929 qualifier feed
930 qualifier flag
931 qualifier form,value(required)
932 qualifier header
933 qualifier hold
934 qualifier job,value(required) ! collision: job_count, job_limit
935 qualifier keep
936 qualifier log_file,value(required)
937 qualifier lowercase
938 qualifier name,value(required)
939 qualifier note,value(required)
940 qualifier notify
941 qualifier operator,value(required)
942 qualifier owner_uic,value(required,type=$uic)
943 qualifier pages,value(required,list)
944 qualifier parameters,value(required,list)
945 qualifier passall
946 qualifier printer,value(required)
947 qualifier priority,value(required)
948 qualifier protection,value(required,list,type=protection)
949 qualifier release
950 qualifier requeue,value(required)
951 qualifier restart
952 qualifier retain,value(type=retain)
    qualifier schedule,value(required,list,type=schedule)

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953     qualifier separate,      value(required,list,type=separate)
954     qualifier setup,         value(required,list)
955     qualifier space
956     qualifier trailer
957     qualifier wsdefault,     value(required)
958     qualifier wsextent,      value(required)
959     qualifier wsquota,       value(required)
960
961 define syntax set_restart_value
962     image queman
963     parameter p1,label=option,value(required,type=set_options)
964
965 define syntax set_rms_default
966     prefix cli$K_stm
967     parameter p1,label=option,value(required)
968     qualifier block_count,   value(required)
969     qualifier buffer_count,  value(required)
970     qualifier disk
971     qualifier magtape
972     qualifier unit_record
973     qualifier hash
974     qualifier indexed
975     qualifier relative
976     qualifier sequential
977     qualifier system
978     qualifier space_holder
979     qualifier prologue value(required)
980     qualifier extend quantity value(required)
981     qualifier network_block_count,value(required)
982
983 define syntax set_term_x29
984     image psisetx29
985     parameter p1, label=option,value(required)
986     parameter p2, label=device,prompt="Device",value(type=$device)
987     qualifier hold_timer,   value(type=$number,required)
988                             label=psisetx29_hold_timer
989     qualifier interrupt,    value(type=psisetx29_int_brk,list,
990                             required),
991                             label=psisetx29_interrupt
992     qualifier break,        value(type=psisetx29_int_brk,list,
993                             required),
994                             label=psisetx29_break
995     qualifier parameters,   label=psisetx29_parameters
996                             value(type=x29_param_type,list,required)
997     qualifier network_specific label=psisetx29_network_specific
998                             value(list,required)
999     qualifier permanent,    label=psisetx29_permanent,nonnegatable
1000    qualifier log,          label=psisetx29_log
1001
1002 define syntax set_terminal
1003     prefix cli$K_sttt
1004     parameter p1,label=option,value(required)
1005     parameter p2,label=device,prompt="Device",value(type=$device)
1006     qualifier application_keypad
1007     qualifier broadcast
1008     qualifier crfill,       value

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1009	qualifier	dismiss_parity	
1010	qualifier	echo	
1011	qualifier	eight_bit	
1012	qualifier	escape	
1013	qualifier	hardcopy	
1014	qualifier	hold_screen	
1015	qualifier	hostsync	
1016	qualifier	interactive	
1017	qualifier	la36	nonnegatable
1018	qualifier	lffill,	value
1019	qualifier	form	
1020	qualifier	frame,	value,nonnegatable
1021	qualifier	lowercase	
1022	qualifier	numeric_keypad	
1023	qualifier	page,	value
1024	qualifier	passall	
1025	qualifier	la120	nonnegatable
1026	qualifier	scope	
1027	qualifier	scribe	
1028	qualifier	speed,	value(required,list)
1029	qualifier	tab	
1030	qualifier	ttsync	
1031	qualifier	typeahead	
1032	qualifier	unknown	nonnegatable
1033	qualifier	uppercase	
1034	qualifier	vt05	nonnegatable
1035	qualifier	vt52	nonnegatable
1036	qualifier	vt55	nonnegatable
1037	qualifier	width,	value
1038	qualifier	wrap	
1039	qualifier	parity,	value
1040	qualifier	readsync	
1041	qualifier	permanent	nonnegatable
1042	qualifier	vt100	nonnegatable
1043	qualifier	ft1	nonnegatable
1044	qualifier	ft2	nonnegatable
1045	qualifier	ft3	nonnegatable
1046	qualifier	ft4	nonnegatable
1047	qualifier	ft5	nonnegatable
1048	qualifier	ft6	nonnegatable
1049	qualifier	ft7	nonnegatable
1050	qualifier	ft8	nonnegatable
1051	qualifier	fulldup	
1052	qualifier	halfdup	
1053	qualifier	local_echo	
1054	qualifier	autobaud	
1055	qualifier	hangup	
1056	qualifier	brdcstmbx	
1057	qualifier	dma	
1058	qualifier	altypeahd	
1059	qualifier	ansi_crt	
1060	qualifier	regis	
1061	qualifier	block_mode	
1062	qualifier	advanced_video	
1063	qualifier	xon	nonnegatable
1064	qualifier	device_type	value(required),nonnegatable

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```
1065     qualifier modem
1066     qualifier inquire      nonnegatable
1067     qualifier dec_crt,    value(list)
1068     qualifier edit
1069     qualifier set_speed
1070     qualifier line_edit
1071     qualifier disconnect
1072     qualifier fallback
1073     qualifier dialup
1074     qualifier insert_editing
1075     qualifier printer_port
1076     qualifier secure_server
1077     qualifier sixel
1078     qualifier soft_characters
1079     qualifier overstrike
1080     qualifier log
1081     qualifier pasthru
1082     qualifier syspassword
1083     qualifier protocol    value(required,type=protocol_types),nonnegatable
1084     qualifier x29         nonnegatable,syntax=set_term_x29
1085
1086 define syntax set_uic
1087     cliroutine setuic
1088     parameter p1,label=option,value(required)
1089     parameter p2,prompt='UIC',value(required,type=$uic)
1090     noqualifiers
1091
1092 define syntax set_verify
1093     cliroutine setverify
1094     parameter p1,label=option,value(required,type=set_options)
1095     disallow (not verify and (verify.procedure or verify.image))
1096
1097 define syntax set_volume
1098     prefix cli$K_stvl
1099     parameter p1,label=option,value(required)
1100     parameter p2,label=volume,prompt='Volume',value(required,type=$infile)
1101     qualifier accessed,      value
1102     qualifier data_check,    value(list)
1103     qualifier erase_on_delete
1104     qualifier extension,     value
1105     qualifier file_protection, value(type=protection,list,required)
1106     qualifier highwater_marking
1107     qualifier label,         value(required)
1108     qualifier log
1109     qualifier mount_verification
1110     qualifier owner_uic,     value(type=$uic)
1111     qualifier protection,    value(type=protection,list,required)
1112     qualifier rebuild,
1113     qualifier retention,     value(list,required)
1114     qualifier unload
1115     qualifier user_name,     value
1116     qualifier windows,       value
1117
1118 define syntax set_working_set
1119     prefix cli$K_stwr
1120     parameter p1,label=option,value(required)
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1121     qualifier limit,          value(required)
1122     qualifier quota,         value(required)
1123     qualifier extent,        value(required)
1124     qualifier adjust
1125     qualifier log
1126
1127 define syntax set_day
1128     prefix cli$K_std
1129     parameter p1,label=option,value(required)
1130     qualifier primary
1131     qualifier secondary
1132     qualifier default
1133
1134 ! The following definitions comprise the SET COMMAND command, which is used
1135 ! to compile and manipulate command definition (CLD) files and their
1136 ! associated CLI tables.
1137
1138 define type cli_names
1139     keyword dcl,label=cli_dcl,default
1140     keyword mcr,label=cli_mcr
1141
1142 define syntax set_command
1143     image cdu
1144     parameter p1,label=option,value(required)
1145     parameter p2,label=cld_spec,prompt="CLD File(s)",value(list,type=$infile)
1146     qualifier delete,value(required,list)
1147     qualifier object,value(type=$outfile)
1148     qualifier replace,default
1149     qualifier symbols,value(required,type=$outfile)
1150     qualifier cli,default,nonnegatable,value(required,type=cli_names)
1151     qualifier listing,value(type=$outfile)
1152     qualifier log
1153     qualifier output,default,value(type=$outfile)
1154     qualifier tables,default,value(type=$infile)
1155     disallow (any2(delete,object,replace,symbols))
1156     disallow (listing and (delete or symbols))
1157
1158 define syntax no_parameter
1159     parameter p1,label=option,value(required,type=set_options)
1160     noqualifiers
1161
1162 define type set_options
1163     prefix cli$K_set
1164     keyword accounting,      syntax=set_accounting
1165     keyword acl,             syntax=set_acl
1166     keyword audit,           syntax=set_audit
1167     keyword broadcast,       syntax=set_broadcast,
1168                               value(list,required,type=brdcst_types)
1169     keyword card_reader,     syntax=set_card_reader
1170     keyword cluster,         syntax=set_cluster
1171     keyword device,          syntax=set_device
1172     keyword default,         syntax=set_default
1173     keyword directory,       syntax=set_directory
1174     keyword file,            syntax=set_file
1175     keyword logins,          syntax=set_logins
1176     keyword magtape,         syntax=set_magtape

```

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VAX/VMS Command Definition Utility (V4-001) Page 22
_S255\$DUA28:[CLD.SRC]MCRSET.CLD;1 (1)

```
1177 keyword on,          syntax=set_on,negatable
1178 keyword password,     syntax=set_password
1179 keyword printer,       syntax=set_printer
1180 keyword process,       syntax=set_process
1181 keyword protection,    syntax=set_protection,
1182                          value(list,type=protection)
1183 keyword queue,         syntax=set_queue
1184 keyword terminal,      syntax=set_terminal
1185 keyword uic,           syntax=set_uic,cliflags(mcroptdelim)
1186 keyword verify,       syntax=set_verify,negatable,cliflags(mcrignore)
1187                          value(list,type=verify_keys)
1188 keyword volume,        syntax=set_volume
1189 keyword working_set,    syntax=set_working_set
1190 keyword rms_default,    syntax=set_rms_default
1191 keyword control_y,     syntax=set_control,negatable,
1192                          value(list,type=control_keys)
1193 keyword time,          syntax=no_parameter,value
1194 keyword host,          syntax=set_host
1195 keyword message,       syntax=set_message
1196 keyword command,       syntax=set_command
1197 keyword day,           syntax=set_day
1198 keyword restart_value, syntax=set_restart_value,value
1199
1200 define verb set
1201     parameter p1,label=option,prompt='What',
1202         value(required,type=set_options)
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD, COPY.CLD, CREATE.CLD, DEF.CLD, DELETE.CLD, DIFF.CLD, DIRECTORY.CLD, DMO.CLD, DUMP.CLD, HELP.CLD, INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]SHOW.CLD;1 (1)

Version: 'V04-000'

V03-034 AEW0003 Anne E. Warner 20-Jul-1984
Change SHOW MSCP to be SHOW DEVICE/SERVED. Add syntax
show_served pointed to by qualifier 'served' in
show_device. Show_served has the following qualifiers:
1. ALL
2. COUNT
3. HOST
4. RESOURCE
5. OUTPUT

V03-034 MCN0173 Maria del C. Nasr 25-Jun-1984
Make the /OUTPUT qualifier default to SYS\$OUTPUT.

V03-033 AEW0002 Anne E. Warner 27-Apr-1984
Add keyword MSCP to show Mass Storage devices. This
keyword has the qualifiers:
1. COUNT
2. HOST
3. RESOURCE
4. UNITS
5. OUTPUT

V03-032 HWS0020 Harold Schultz 10-Apr-1984
Add qualifier /LOG to SHOW KEY.

V03-031 LMP0217 L. Mark Pilant, 24-Mar-1984 22:21
Change all references to SHOWACL to SETSHOACL.

V03-030 PCG0010 Peter George 14-Mar-1984
Change default value of SHOW QUEUE/OUTPUT.
Make SHOW KEY/DIR and /FULL mutually exclusive.
Add SHOW SYMBOL/LOG.
Update SHOW LOGICAL command.

V03-029 HWS0019 Harold Schultz 06-Mar-1984
Integrate in SHOW TERM/X29

V03-028 PCG0009 Peter George 29-Feb-1984
Add /OUTPUT qualifier to SHOW QUEUE.

V03-025 PRD0068 Paul R. DeStefano 28-Feb-1984
Change SHOW CLUSTER/INTERVAL=deltatime to
/INTERVAL=seconds. Limit values on /REPORT=
to CLUSTER, LOCAL_PORTS, and CYCLE.

V03-026 PCG0008 Peter George 27-Feb-1984
Add /FULL qualifier to SHOW KEY.

V03-025 MCN0152 Maria del C. Nasr 23-Feb-1984
Disallow /CONTINUOUS and /OUTPUT qualifiers for
SHOW PROCESS.

V03-024 AEW0001 Anne E. Warner 02-Feb-1984

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255SDUA28:[CLD.SRC]SHOW.CLD;1 1)

Add qualifier /FULL to SHOW SYSTEM.

V03-023 LMP0185 L. Mark Pilant, 1-Feb-1984 13:53
Add support for device ACLs.

V03-022 TMK0001 Todd M. Katz 18-Oct-1983
Change which SHOW LOGICAL qualifiers are mutually
exclusive. Also, change the spelling of the qualifier
descendents to descendants.

V03-021 KFH0003 Ken Henderson 22 Sep 1983
Mods to support generized table handling in
SHOW LOGICAL.

V03-020 GAS0175 Gerry Smith 30-Aug-1983
Add SHOW BROADCAST, as well as /OUTPUT where
possible.

V03-019 PCG0007 Peter George 17-Aug-1983
Remove SHOW XTRANSLATION.

V03-018 GAS0154 Gerry Smith 25-Jul-1983
Add SHOW AUDIT.

V03-017 KFH0002 Ken Henderson 21 Jul 1983
Modify SHOW LOGICAL.

V03-016 MAJ0001 Melanie Johnson 23-Jun-1983
Remove mcignore flag from SHOW XTRAN.

V03-015 MLJ0115 Martin L. Jack 23-Jun-1983
Update SHOW QUEUE.

V03-014 KFH0001 Ken Henderson 16 Jun 1983
Modify SHOW LOGICAL.

V03-013 PCG0006 Peter George 27-May-1983
Add SHOW XTRAN.

V03-012 MLJ0012 Martin L. Jack 27-May-1983
Changes for new QLMAN image.

V03-011 PCG0005 Peter George 13-Apr-1983
Add SHOW KEY/BRIEF/DIRECTORY.

V03-010 PRD0010 Paul DeStefano 28-Mar-1983
Added qualifiers to SHOW CLUSTER command.

V03-009 PCG0004 Peter George 28-Mar-1983
Add SHOW KEY.
Uncomment NOSTATS.

V03-008 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
Make all necessary changes for new CDU.

V03-007 PCG0003 Peter George 02-Mar-1983

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VAX/VMS Command Definition Utility (V4-001) Page 7
_S255SDUA28:[CLD.SRC]SHOW.CLD;1 (1)

```
113      Comment out NOSTATs for now.
114
115      V03-006 PCG0002      Peter George      24-Feb-1983
116      Set NOSTAT bit in SHOW STATUS and SHOW SYMBOL.
117
118      V03-005 PRD0007      Paul DeStefano    2-Feb-1983
119      Added SHOW CLUSTER command.
120      Removed all PREFIX statements.
121
122      V03-004 GAS0101      Gerry Smith        13-Jan-1983
123      Complete GAS0099.
124
125      V03-003 GAS0099      Gerry Smith        7-Jan-1983
126      Changes for the new SHOW image.
127
128      V03-002 MLJ0002      Martin L. Jack    01-Jan-1983
129      Changes for new QUEMAN image.
130
131      V03-001 PCG0001      Peter George      19-Oct-1982
132      Copy previous parameter definitions into each
133      DEFINE SYNTAX statement. Change SHOW DEVICE to
134      SHOW DEVICES.
135
136
137  define type acl_objects
138      keyword file
139      keyword device
140      keyword queue
141      keyword event_cluster
142      keyword logical_name_table
143      keyword process
144      keyword global_section
145
146
147  define type acmode
148      keyword user_mode
149      keyword supervisor_mode
150      keyword executive_mode
151      keyword kernel_mode
152
153  define syntax show_acl
154      image setshowacl
155      parameter p1,label=option,value(required)
156      parameter p2,label=input,prompt='Object name',value(required)
157      qualifier object_type, value(required,type=acl_objects)
158
159  define syntax show_broad
160      parameter p1,label=option,value(required)
161      qualifier output, default,value(type=$file,default='SYS$OUTPUT')
162
163  define syntax show_cpu
164      image mp
165      parameter p1,label=option,value(required)
166      noqualifiers
167
168  define syntax show_daytime
```

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VAX/VMS Command Definition Utility (V4-001) Page 4
_S255SDUA28:[CLD.SRC]SHOW.CLD;1 (1)

```
169      cliroutine showtime
170      parameter p1,label=option,value(required)
171      noqualifiers
172
173  define syntax show_default
174      cliroutine showdef
175      parameter p1,label=option,value(required)
176      noqualifiers
177
178  define syntax show_all_keys
179      parameter p1,label=option,value(required)
180
181  define syntax show_all_states
182      parameter p1,label=option,value(required)
183
184  define syntax show_key
185      prefix cli$K-shky
186      cliroutine showkey
187      parameter p1,label=option,value(required)
188      parameter p2,prompt='Key name',value(required)
189      qualifier all,syntax=show_all_keys
190      qualifier state,value(required,list)
191      qualifier brief
192      qualifier directory,syntax=show_all_states
193      qualifier full
194      qualifier log
195      disallow directory and (brief or state or all or full)
196
197  define syntax show_logical
198      parameter p1,label=option,value(required)
199      parameter p2,label=logname,prompt='Logical name',value(list,type=$inlog)
200      qualifier output,          default,value(type=$file,default='SYS$OUTPUT')
201      qualifier system
202      qualifier group
203      qualifier process
204      qualifier job
205      qualifier all
206      qualifier table,value(list,required)
207      qualifier descendants
208      qualifier structure
209      qualifier access_mode,value(required,type=acmode)
210      qualifier full
211      disallow structure and
212          (system or group or job or process or table or descendants)
213
214  define syntax show_protection
215      cliroutine showprot
216      parameter p1,label=option,value(required)
217      noqualifiers
218
219  define syntax show_queue
220      image queman
221      parameter p1,label=option,value(required)
222      parameter p2,prompt='Queue',value(default='*')
223      qualifier all
224      qualifier batch
```

```

225     qualifier brief
226     qualifier characteristics
227     qualifier device
228     qualifier files
229     qualifier forms
230     qualifier full
231     qualifier output,          default,value(default='SYS$OUTPUT',type=$file)
232
233 define syntax show_all_symbols
234     parameter p1,label=option,value(required)
235
236 define syntax show_symbol
237     cliroutine showsymb1
238     prefix clisk shsy
239     cliflags(nostat)
240     parameter p1,label=option,value(required)
241     parameter p2,prompt='Symbol',value(required,type=$insym)
242     qualifier global,          placement=positional
243     qualifier local,          placement=positional
244     qualifier all,            placement=positional,syntax=show_all_symbols
245     qualifier log
246
247 define syntax show_translation
248     cliroutine showtran
249     parameter p1,label=option,value(required)
250     parameter p2,prompt='Log_name',value(required,type=$inlog)
251     qualifier table,value(required)
252
253 define syntax show_served
254     parameter p1,label=option,value(required)
255     qualifier output,          default,value(type=$file,default='SYS$OUTPUT')
256     qualifier all,
257     qualifier count,
258     qualifier host,
259     qualifier resource,
260     qualifier served,          default,nonnegatable ! 'served' is here
261                                ! because the code for show device and show_served
262                                ! is different. When the show device code is
263                                ! entered the syntax being used is the show_served
264                                ! syntax but all of the qualifiers are different
265                                ! so it won't work. The solution is to add the
266                                ! qualifier 'served' and have the show-device
267                                ! check for it first and to branch to the
268                                ! show syntax code where this syntax will work.
269                                ! At this point 'served' is always present so it
270                                ! is 'default' and it is 'nonnegatable' to someone
271                                ! can't mess everything up by saying 'noserved'.
272
273 define syntax show_device
274     parameter p1,label=option,value(required)
275     parameter p2,label=device,prompt='Device',value(type=$device)
276     qualifier output,          default,value(type=$file,default='SYS$OUTPUT')
277     qualifier allocated,
278     qualifier brief
279     qualifier full
280     qualifier mounted

```

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VAX/VMS Command Definition Utility (V4-001) Page 6
_S255\$DUA28:[CLD.SRC]SHOW.(LD;1 (1)

```
281     qualifier files
282     qualifier system
283     qualifier windows
284     qualifier served,          nonnegatable,syntax=show_served
285     disallow served and (allocated or brief or full or mounted or files or
286         system or windows)
287
288 define syntax show_status
289     cliroutine showstat
290     cliflags(nostatus)
291     parameter p1,label=option,value(required)
292     noqualifiers
293
294 define syntax show_process
295     parameter p1,label=option,value(required)
296     parameter p2,label=process,prompt="Process",value(type=$process)
297     qualifier output,          default,value(type=$file,default="SYSS$OUTPUT")
298     qualifier quotas          nonnegatable
299     qualifier accounting      nonnegatable
300     qualifier privileges      nonnegatable
301     qualifier memory          nonnegatable
302     qualifier subprocesses    nonnegatable
303     qualifier identification  value(required),nonnegatable
304     qualifier continuous      nonnegatable
305     qualifier all             nonnegatable
306     disallow continuous and output
307
308 define syntax show_system
309     parameter p1,label=option,value(required)
310     qualifier output,          default,value(type=$file,default="SYSS$OUTPUT")
311     qualifier process,        default,nonnegatable
312     qualifier batch           nonnegatable
313     qualifier subprocess      nonnegatable
314     qualifier network         nonnegatable
315     qualifier full            nonnegatable
316
317 define syntax show_terminal
318     parameter p1,label=option,value(required)
319     parameter p2,label=device,prompt="Device",value(type=$device)
320     qualifier output,          default,value(type=$file,default="SYSS$OUTPUT")
321     qualifier permanent        nonnegatable
322     qualifier x29,             syntax=show_term_x29
323
324 define      syntax show_term_x29
325     image    psishowx29
326
327 define syntax show_printer
328     parameter p1,label=option,value(required)
329     parameter p2,label=device,prompt="Device",value(required,type=$device)
330     qualifier output,          default,value(type=$file,default="SYSS$OUTPUT")
331
332 define syntax show_magtape
333     parameter p1,label=option,value(required)
334     parameter p2,label=device,prompt="Device",value(required,type=$device)
335     qualifier output,          default,value(type=$file,default="SYSS$OUTPUT")
336
```

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VAX/VMS Command Definition Utility (V4-001) Page 7
_S255\$DUA28:[CLD.SRC]SHOW.CLD;1 (1)

```
337 define syntax show_quota
338     cliroutine showquota
339     prefix cli$ show_quota
340     parameter p1,label=option,value(required)
341     qualifier disk,          default,value(type=$device)
342     qualifier user,          value(required,type=$uic)
343
344 define syntax show_memory
345     parameter p1,label=option,value(required)
346     qualifier output,          default,value(type=$file,default='SYS$OUTPUT')
347     qualifier physical_memory nonnegatable
348     qualifier slots            nonnegatable
349     qualifier pool             nonnegatable
350     qualifier files            nonnegatable
351     qualifier full             nonnegatable
352     qualifier all              nonnegatable
353
354 define syntax show_error
355     parameter p1,label=option,value(required)
356     qualifier output,          default,value(type=$file,default='SYS$OUTPUT')
357     qualifier brief            nonnegatable
358     qualifier full             nonnegatable
359
360 define syntax show_user
361     parameter p1,label=option,value(required)
362     parameter p2,label=username,prompt='Username',value
363     qualifier output,          default,value(type=$file,default='SYS$OUTPUT')
364
365 define syntax no_parameter
366     parameter p1,label=option,value(required)
367     noqualifiers
368
369 define type cluster_reports
370     keyword cluster
371     keyword local_ports
372     keyword cycle
373
374 define syntax show_cluster
375     image shwclstr
376     parameter p1,label=option,value(required)
377     qualifier beginning        value(required,type=$datetime),nonnegatable
378     qualifier continuous       nonnegatable
379     qualifier ending           value(required,type=$datetime),nonnegatable
380     qualifier interval         value(required,type=$number),nonnegatable
381     qualifier output           default,value(type=$file,default='SYS$OUTPUT')
382     qualifier report           value(required,type=cluster_reports),
383                               nonnegatable
384
385 define type show_options
386     keyword acl,               syntax=show_acl
387     keyword broadcast,         syntax=show_broad
388     keyword cpu,               syntax=show_cpu
389     keyword daytime,           syntax=show_daytime
390     keyword time,              syntax=show_daytime
391     keyword default,           syntax=show_default
392     keyword logical,           syntax=show_logical
```

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VAX/VMS Command Definition Utility (V4-001) Page 8
_S255SDUA28:[CLD.SRC]SHOW.CLD;1 (1)

```
393 keyword protection, syntax=show_protection
394 keyword queue, syntax=show_queue
395 keyword symbol, syntax=show_symbol
396 keyword translation, syntax=show_translation
397 keyword working_set, syntax=show_broad
398 keyword devices, syntax=show_device
399 keyword status, syntax=show_status
400 keyword process, syntax=show_process
401 keyword system, syntax=show_system
402 keyword terminal, syntax=show_terminal
403 keyword printer, syntax=show_printer
404 keyword network, syntax=show_broad
405 keyword rms_default, syntax=show_broad
406 keyword magtape, syntax=show_magtape
407 keyword quota, syntax=show_quota
408 keyword memory, syntax=show_memory
409 keyword users, syntax=show_user
410 keyword error, syntax=show_error
411 keyword accounting, syntax=show_broad
412 keyword cluster, syntax=show_cluster
413 keyword key, syntax=show_key,cliflags(mcrignore)
414 keyword audit, syntax=show_broad
415
416 define verb show
417 parameter p1,label=option,prompt='What',
418 value(required,type=show_options)
419
420
421
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255\$DUA28:[CLD.SRC]SORT.CLD;1 (1)

```
1  !
2  ! Version:  'V04-000'
3  !
4  !
5  module sortmerge
6  define type sort_key
7      keyword position,value(required,type=$number)
8      keyword size,value(required,type=$number)
9      keyword number,value(required,type=$number)
10     keyword binary
11     keyword character
12     keyword decimal
13     keyword d_floating
14     keyword f_floating
15     keyword g_floating
16     keyword h_floating
17     keyword packed_decimal
18     keyword zoned
19     keyword signed
20     keyword unsigned
21     keyword leading_sign
22     keyword trailing_sign
23     keyword overpunched_sign
24     keyword separate_sign
25     keyword ascending
26     keyword descending
27     !! keyword dtype,value(required)
28
29  define type sort_type
30     keyword address
31     keyword index
32     keyword record
33     keyword tag
34
35  define type record_format
36     keyword fixed,          value(type=$number)
37     keyword variable,       value(type=$number)
38     keyword controlled,     value(type=$number)
39     keyword size,           value(required,type=$number)
40     keyword block_size,     value(required,type=$number)
41     keyword record_size,    value(type=$number)
42     keyword file_size,      value(type=$number)
43
44  define type collating_type
45     keyword ascii
46     keyword ebcdic
47     keyword multinational
48
49  define syntax sort_using_srt
50     image backtrans
51
52  define verb sort
53     image sortmerge
54     prefix cli$ sort
55     parameter p1,prompt='Input',value(required,list,type=$infile)
56     parameter p2,prompt='Output',value(required,type=$outfile)
```

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255\$DUA28:[CLD.SRC]SORT.CLD;1 (1)

```
57      qualifier process,      value(required,type=sort_type)
58      qualifier key,          value(required,list,type=sort_key)
59      qualifier zzzz,
60      qualifier work_files,    value(type=$number), default
61      qualifier specification,value(type=$infile)
62      qualifier rsx11,        syntax=sort_using_srt
63      qualifier format,        value(required,list,type=record_format),
64                                  placement=local
65      qualifier bucket_size,   value(required,type=$number),
66                                  placement=positional
67      qualifier allocation,    value(required,type=$number),
68                                  placement=positional
69      qualifier block_size,    value(required,type=$number),placement=local,
70                                  syntax=sort_using_srt
71      qualifier contiguous,    placement=positional
72      qualifier device,        value(required,type=$device),
73                                  syntax=sort_using_srt
74      qualifier indexed_sequential,value(type=$number),placement=positional
75      qualifier relative,      placement=positional
76      qualifier sequential,    placement=positional
77      qualifier overlay,       placement=local
78      qualifier stable,
79      qualifier statistics,
80      qualifier load_fill,      placement=local
81      qualifier collating_sequence value(required,type=collating_type)
82      qualifier duplicates,    default !!,value
83      qualifier check_sequence
84
85  define verb merge
86      image sortmerge
87      prefix cli$K_merg_
88      parameter p1,prompt='Input',value(required,list,type=$infile)
89      parameter p2,prompt='Output',value(required,type=$outfile)
90      qualifier process,        value(required,type=sort_type)
91      qualifier key,            value(required,list,type=sort_key)
92      qualifier zzzz,
93      qualifier work_files,     value(type=$number)
94      qualifier specification,value(type=$infile)
95      qualifier zzzz,
96      qualifier format,         value(required,list,type=record_format),
97                                  placement=local
98      qualifier bucket_size,    value(required,type=$number),
99                                  placement=positional
100     qualifier allocation,      value(required,type=$number),
101     placement=positional
102     qualifier block_size,      value(required,type=$number),placement=local
103     syntax=sort_using_srt
104     placement=positional
105     qualifier zzzx,
106     qualifier indexed_sequential,value(type=$number),placement=positional
107     qualifier relative,        placement=positional
108     qualifier sequential,      placement=positional
109     qualifier overlay,         placement=local
110     qualifier stable
111     qualifier statistics
112     qualifier load_fill,        placement=local
```


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VAX/VMS Command Definition Utility (V4-001) Page 3
_S255SDUA28:[CLD.SRC]SORT.CLD;1 (1)

113 qualifier collating_sequence,value(required,type=collating_type)
114 qualifier duplicates, default !!,value
115 qualifier check_sequence, default

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]SPAWN.CLD;1 (1)

Version: 'V04-000'

V03-007 HWS042 Harold Schultz 29-Mar-1984
Add SPAWN/TABLE

V03-006 MAJ0001 Melanie Johnson 04-Jan-1984
Flag qualifiers that MCR should ignore.

V03-005 PCG0004 Peter George 27-Jun-1983
Add SPAWN/CLI.

V03-004 PCG0003 Peter George 21-Jun-1983
Add SPAWN/KEYPAD.

V03-003 PCG0002 Peter George 30-Apr-1983
Add SPAWN/PROMPT/CARRIAGE_CONTROL.

V03-002 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
Make all necessary changes for new CDU.

V03-001 PCG0001 Peter George 02-Feb-1983
Add SPAWN/SYMBOLS/LOGICAL_NAMES/NOTIFY/CONTINUE
Remove /TIME_LIMIT.

define verb spawn

cliroutine spawn
prefix cli\$spawn
parameter p1,value(type=\$rest_of_line)
qualifier process, value(required)
qualifier wait, default
qualifier log, default
qualifier input, value(required,type=\$infile)
qualifier output, value(required,type=\$outfile)
qualifier symbols, default,cliflags(mcrignore)
qualifier logical_names,default
qualifier notify
qualifier carriage_control,cliflags(mcrignore)
qualifier prompt, value,cliflags(mcrignore)
qualifier keypad, default,cliflags(mcrignore)
qualifier cli, value(required,type=\$file)
qualifier table, value(required,type=\$file)

define syntax attach_by_pid
noparameters

define verb attach

cliroutine attach
prefix cli\$attach
parameter p1,value(required),prompt="Process"
qualifier identification, value(required),syntax=attach_by_pid

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001)
_S255SDUA28:[CLD.SRC]SUBMIT.CLD;1 (1)

Page 1

Version: 'V04-000'

V03-009 JAK0220 J A Krycka 22-Jul-1984
Eliminate the default attribute from the FEED qualifier
because there there is now a queue level default for it.

V03-008 RRB0021 Rowland R. Bradley 19-Jun-1984
Add the common qualifier package to both PRINT and
SUBMIT. The qualifiers include /confirm, /exclude,
/before, /since, /created, /modified, /expired, /backup,
and /by_owner. Disallow /REMOTE with other qualifiers than
the common qualifier ones.

V03-007 PCG000c Peter George 14-Feb-1984
Add SUBMIT/PRINTER default.

V03-006 PCG0002 Peter George 15-Aug-1983
Add SUBMIT/SNA qualifiers.

V03-005 MLJ0005 Martin L. Jack 26-May-1983
Changes for new SUBMIT image.

V03-004 MLJ0004 Martin L. Jack 27-Apr-1983
Changes for new SUBMIT image.

V03-003 MLJ0003 Martin L. Jack 01-Mar-1983
Changes for new SUBMIT image.

V03-002 MLJ0002 Martin L. Jack 30-Dec-1982
Changes for new SUBMIT image.

V03-001 PCG0001 Peter George 05-Sep-1982
Add SUBMIT/SNA.

define type print_bft
keyword all,default
keyword one

define verb print
image submit
parameter p1,prompt='file',value(required,list,impcat,type=\$infile)
qualifier after, value(required,type=\$datetime)
qualifier backup
qualifier before, value(default=today,type=\$datetime)
qualifier burst, value(type=print_bft),placement=positional
qualifier by_owner, value(type=\$uic)
qualifier characteristics,value(required,list)
qualifier confirm
qualifier copies, value(required),placement=positional
qualifier created
qualifier delete, placement=positional
qualifier device, value(required)
qualifier exclude, value(required,list)
qualifier expired
qualifier feed, placement=positional

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VAX/VMS Command Definition Utility (V4-001)
_S255\$DUA28:[CLD.SRC]SUBMIT.CLD;1 (1)

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```
57      qualifier flag,           value(type=print_bft),placement=positional
58      qualifier form,          value(required)
59      qualifier header,        placement=positional
60      qualifier hold
61      qualifier identify,      default
62      qualifier job_count,     value(required)
63      qualifier lowercase
64      qualifier modified
65      qualifier name,          value(required)
66      qualifier note,          value(required)
67      qualifier notify
68      qualifier operator,      value(required)
69      qualifier pages,         value(required,list),placement=positional
70      qualifier parameters,    value(required,list)
71      qualifier passall,       placement=positional
72      qualifier priority,      value(required)
73      qualifier queue,         value(required)
74      qualifier remote
75      qualifier restart
76      qualifier setup,         value(required,list),placement=positional
77      qualifier since,         value(default=today,type=$datetime)
78      qualifier space,         placement=positional
79      qualifier trailer,       value(type=print_bft),placement=positional
80      qualifier user,          value(required)
81      disallow                 remote and (user or trailer or space or
82                               setup or restart or queue or
83                               priority or passall or parameters or pages or
84                               operator or notify or note or name
85                               or lowercase or job_count or identify or hold
86                               or header or form or flag or feed
87                               or device or delete or after
88                               or copies or characteristics or burst)
89
90  define type translate_keywords
91      keyword ebclic,          default
92
93  define syntax submit_sna
94      image snasubmit
95
96  define verb submit
97      parameter p1,prompt='File',value(required,list,impcat,type=$infile)
98      qualifier after,          value(required,type=$datetime)
99      qualifier backup
100     qualifier before,         value(default=today,type=$datetime)
101     qualifier by_owner,        value(type=$uic)
102     qualifier characteristics,value(required,list)
103     qualifier cli,             value(required)
104     qualifier confirm
105     qualifier cputime,         value(required)
106     qualifier created
107     qualifier delete,          placement=positional
108     qualifier exclude,         value(required,list)
109     qualifier expired
110     qualifier hold
111     qualifier identify,        default
112     qualifier keep
```

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VAX/VMS Command Definition Utility (V4-001) Page 3
_S255\$DUA28:[CLD.SRC]SUBMIT.CLD;1 (1)

```
113 qualifier log_file, value(required)
114 qualifier modified
115 qualifier name, value(required)
116 qualifier notify
117 qualifier parameters, value(required,list)
118 qualifier printer, value(default='SYS$PRINT')
119 qualifier priority, value(required)
120 qualifier queue, value(required)
121 qualifier remote
122 qualifier restart
123 qualifier since, value(default=today,type=$datetime)
124 qualifier sna, syntax=submit_sna ! SNA
125 qualifier translate, default,placement=positional, ! SNA
126 value(type=translate_keywords,default='EBCDIC')
127 qualifier user, value(required)
128 qualifier wsdefault, value(required)
129 qualifier wsextent, value(required)
130 qualifier wsquota, value(required)
131 qualifier record_size, nonnegatable,placement=positional, ! SNA
132 value(required)
133 qualifier tab, placement=positional ! SNA
134 disallow remote and (tab or record_size or wsquota or
135 wsdefault or user or translate or sna
136 or restart or queue or priority or printer or
137 parameters or notify or name or
138 log_file or keep or identify or hold
139 or delete or cputime or after or wsextent
140 or cli or characteristics)
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255\$DUA28:[CLD.SRC]TYPE.CLD;1 (1)

Version: 'V04-000'

V03-004 MCN0173 Maria del C. Nasr 09-Jul-1984
Let /OUTPUT qualifier default to SYSS\$OUTPUT.

V03-003 SHZ0003 Stephen H. Zalewski 16-Feb-1984
Disallow /OUTPUT and /PAGE.

V03-002 SHZ0002 Stephen H. Zalewski 12-Mar-1983
Changed /BYOWNER qualifier to /BY_OWNER.

V03-001 SHZ0001 Stephen H. Zalewski 10-mar-1983
Add common qualifer package to TYPE. Modified TYPE to use
new CLD.

define verb type

image type

parameter p1,prompt='File',value(required,list,impcat,type=\$infile), label=input

qualifier backup

qualifier before, value(default=today,type=\$datetime)

qualifier confirm

qualifier created

qualifier exclude, value(required,list)

qualifier expired

qualifier modified

qualifier on, value(default=today,type=\$datetime) ! not yet implemented

qualifier output, default,value(type=\$file,default='SYSS\$OUTPUT')

qualifier page,

qualifier since, value(default=today,type=\$datetime)

qualifier by_owner, value(type=\$uic)

disallow output and page

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]UFD.CLD;1 (1)

Version: 'V04-000'

V03-001 MAJ0001 Melanie Johnson 13-Jun-1983
Add "label=output" to P1 parameter definition

Created Feb. 1, 1983 - Melanie Johnson

define type protection
keyword system,value
keyword group,value
keyword owner,value
keyword world,value

define verb ufd
image create
prefix cli\$sk_crea_
parameter p1,prompt='File',value(required,type=\$outfile),label=output
qualifier directory default
qualifier uic,label=owner_uic,value(required,type=\$uic)
qualifier protection value(required,list,type=protection)
qualifier log cliflags(mcrignore)
qualifier version_limit cliflags(mcrignore)
qualifier volume cliflags(mcrignore)
qualifier fdl cliflags(mcrignore)

\$ SET COMMAND/CLI=MCR SRC\$BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001) Page 1
_S255SDUA28:[CLD.SRC]EDT.CLD;1 (1)

Version: 'V04-000'

V03-003 PCA1008 Paul C. Anagnostopoulos 25-Feb-1983
Replace the ZZZZ qualifiers with something more reasonable,
since the new CDU requires unique names.

V03-002 BLS0001 Benn Schreiber 21-Dec-1982
Add create qualifier for EDT

V03-001 MAJ0001 Melanie Johnson 07-Oct-1982
Put mcrignore flag into cliflags construct.

```
define verb edt
  image edt
  prefix cli$ edit
  parameter p1,prompt='File',value(required,type=$infile),label=input
  qualifier audit_trail,cliflags(mcrignore)
  qualifier decide,cliflags(mcrignore)
  qualifier exact,cliflags(mcrignore)
  qualifier expert,cliflags(mcrignore)
  qualifier increment,cliflags(mcrignore)
  qualifier isave,cliflags(mcrignore)
  qualifier line,cliflags(mcrignore)
  qualifier listing,cliflags(mcrignore)
  qualifier lower,cliflags(mcrignore)
  qualifier output,value(type=$outfile)
  qualifier pline,cliflags(mcrignore)
  qualifier read_only
  qualifier save,cliflags(mcrignore)
  qualifier slp,cliflags(mcrignore)
  qualifier sos,cliflags(mcrignore)
  qualifier start,cliflags(mcrignore)
  qualifier step,cliflags(mcrignore)
  qualifier truncate,cliflags(mcrignore)
  qualifier tab,cliflags(mcrignore)
  qualifier checksum,cliflags(mcrignore)
  qualifier report,cliflags(mcrignore)
  qualifier header,cliflags(mcrignore)
  qualifier sum,cliflags(mcrignore)
  qualifier update,cliflags(mcrignore)
  qualifier edt,cliflags(mcrignore)
  qualifier command,default,value(type=$infile)
  qualifier recover
  qualifier journal,default,value(type=$infile)
  qualifier $1_filler,label=dmy1,cliflags(mcrignore)
  qualifier $2_filler,label=dmy2,cliflags(mcrignore)
  qualifier bak,cliflags(mcrignore)
  qualifier num,cliflags(mcrignore)
  qualifier fdl,cliflags(mcrignore)
  qualifier create,default
  outputs (output,listing)
```

\$ SET COMMAND/CLI=MCR SRC\$:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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VAX/VMS Command Definition Utility (V4-001)
_S255SDUA28:[CLD.SRC]MCRINT.CLD;1 (1)

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Version: 'V04-000'

V03-014 MAJ0009 Melanie Johnson 02-Aug-1984
Pick up some little lost queue manager qualifiers (from
DCLINT) for the STOP/QUEUE commands to make STOP/ABORT, etc.
work again.

V03-013 MAJ0008 Melanie Johnson 11-Jul-1984
Change the misspelling of the ASN qualifier /GLOBAL to /GBL
which is RSX-compatible and matches the documentation.

V03-012 DLB0002 David Ballenger 18-Apr-1984
Change ALLOCATE syntax to ALLOCATE /GENERIC DEV

V03-011 MAJ0007 Melanie Johnson 30-Mar-1984
Add /HANGUP, /FULL, and /BRIEF to BYE. Add /JOB to DEFINE
and DEASSIGN. Eliminate privilege list - it's not needed here.

V03-010 DLB0001 David Ballenger 23-Mar-1984
Add /HANGUP qualifier to LOGOUT.

V03-009 MAJ0006 Melanie Johnson 25-Jul-1983
Fold new xlogical commands back into regular logical command
names.

V03-008 MAJ0005 Melanie Johnson 22-Jun-1983
Add the x-logical commands for new logical name system
service use. Remove all forms of the RUN command; use RUN.CLD
instead.

V03-007 MAJ0004 Melanie Johnson 13-May-1983
Add MBX verb, undocumented & unsupported, for subprocesses only.
Eliminate GOTO and ON commands, which were part of the now
obsolete imbedded indirect. Update privileges.

V03-006 PRB0175 Paul Beck 26-APR-1983 21:26:34
Add privileges TMPJNL and PRMJNL.

V03-005 PCA1008 Paul C. Anagnostopoulos 25-Mar-1983
Make all necessary changes for new CDU.

V03-004 PCA1008 Paul C. Anagnostopoulos 11 Feb 1983
Add the MCRPARSE flag to the ASN verb, so it is explicit.

V03-003 MAJ0003 Melanie Johnson 11-Feb-1983
Change OUTPUTS MCR(P1) to OUTPUTS (P1)

V03-002 MAJ0002 Melanie Johnson 07-Jan-1983
Add CANCEL, RESUME, RUN/CHECKPOINT, and RUN/RESTART.

V03-001 MAJ0001 Melanie Johnson 16-Dec-1982
Delete definition of HELP

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VAX/VMS Command Definition Utility (V4-001) Page 2
_S255\$DUA28:[CLD.SRC]MCRINT.CLD;1 (1)

```
57 define verb allocate
58     cliroutine allocate
59     prefix cli$k_allo
60     parameter p1,prompt='Device',value(required,list,type=$device)
61     parameter p2,prompt='Log name',value(type=$outlog)
62     qualifier generic
63     qualifier log
64
65 define syntax merge_queue
66     image queman
67
68 define verb asn
69     cliroutine assign
70     prefix cli$k_assi
71     cliflags(mcrparse)
72     parameter p1,prompt='Device',value(type=$infile)
73     parameter p2,prompt='Log name',value(type=$outlog)
74     qualifier gbl
75     qualifier group
76     qualifier term
77     qualifier queue,          syntax=merge_queue
78     qualifier merge,          syntax=merge_queue
79
80     outputs (p1)
81
82
83 define verb bye
84     cliroutine logout
85     prefix cli$k_logo_
86     qualifier brief
87     qualifier full
88     qualifier hangup
89
90 define verb cancel
91     cliroutine cancel
92     parameter p1,label=p1,prompt='File',value(type=$process,)
93     qualifier identification,value(required)
94
95 define verb continue
96     synonym c
97     cliroutine continue
98     cliflags(abbreviate,nostatus)
99
100 define syntax deallocate_all_devices
101     noparameters
102
103 define verb deallocate
104     cliroutine deallocat
105     parameter p1,prompt='Device',value(required,type=$device)
106     qualifier all,syntax=deallocate_all_devices
107
108 define syntax deassign_all_names
109     noparameters
110
111 define verb deassign
112     cliroutine deassign
```

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VAX/VMS Command Definition Utility (V4-001)
_S255\$DUA28:[CLD.SRC]MCRINT.CLD;1 (1)

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```
113     parameter p1,prompt='Log name',value(required,type=$inlog)
114     qualifier system                               : Must be #1.
115     qualifier group                               : Must be #2.
116     qualifier job                                 : Must be #3.
117     qualifier process                             : Must be #4.
118     qualifier user_mode                           : Must be #5.
119     qualifier supervisor_mode                     : Must be #6.
120     qualifier executive_mode                       : Must be #7.
121     qualifier table,value(required)               : Must be #8.
122     qualifier all,syntax=deassign_all_names       : Must be #9.
123
124 define verb debug
125     cliroutine debug
126
127
128 define type tran_attr
129     keyword concealed
130     keyword terminal
131
132 define type name_attr
133     keyword confine
134     keyword no_alias
135
136 define verb define
137     cliroutine define
138     prefix cli$ define
139     parameter p1,prompt='Log name',value(required,type=$outlog)
140     parameter p2,prompt='Equ name',value(required,type=$infile,list)
141     qualifier system                               : Must be #1.
142     qualifier group                               : Must be #2.
143     qualifier job                                 : Must be #3.
144     qualifier process                             : Must be #4.
145     qualifier user_mode                           : Must be #5.
146     qualifier supervisor_mode                     : Must be #6.
147     qualifier executive_mode                       : Must be #7.
148     qualifier table,value(required)               : Must be #8.
149     qualifier log                                  : Must be #9.
150     qualifier name_attributes,                    : Must be #10.
151         value(type=name_attr,list)
152     qualifier translation_attributes,              : Must be #11.
153         placement=positional,
154         value(type=tran_attr,list)
155
156 ! DEPOSIT uses the same qualifiers as EXAMINE, and they must appear
157 ! in the same order.
158
159 define verb deposit
160     cliroutine deposit
161     cliflags(immediate,nostatus)
162     qualifier ascii,nonnegatable
163     qualifier byte,nonnegatable
164     qualifier decimal,nonnegatable
165     qualifier hexadecimal,nonnegatable
166     qualifier long,nonnegatable
167     qualifier octal,nonnegatable
168     qualifier word,nonnegatable
```

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VAX/VMS Command Definition Utility (V4-001)
_S255\$DUA28:[CLD.SRC]MCRINT.CLD;1 (1)

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```
169
170 define verb examine
171     cliroutine examine
172     prefix cli$ exam
173     cliflags(immediate,nostatus)
174     qualifier ascii,nonnegatable
175     qualifier byte,nonnegatable
176     qualifier decimal,nonnegatable
177     qualifier hexadecimal,nonnegatable
178     qualifier long,nonnegatable
179     qualifier octal,nonnegatable
180     qualifier word,nonnegatable
181
182 define verb exit
183     cliroutine exit
184     cliflags(immediate)
185
186 define verb logout
187     cliroutine logout
188     prefix cli$ logo_
189     qualifier brief
190     qualifier full
191     qualifier hangup
192
193 define verb mbx
194     cliroutine setmbx
195     parameter p1,value(type=$device)
196
197 define verb resume
198     cliroutine resume
199     cliflags(immediate)
200
201 define syntax stop_queue
202     image queman
203     parameter p1,prompt='Queue',value(required)
204
205 define syntax stop_queue_manager
206     image queman
207     noparameters
208
209 define verb stop
210     cliroutine stop
211     prefix cli$ stop
212     parameter p1,prompt='Process',value(type=$process)
213     qualifier manager,nonnegatable,syntax=stop_queue_manager
214     qualifier abort,nonnegatable,syntax=stop_queue
215     qualifier next,nonnegatable,syntax=stop_queue
216     qualifier identification,nonnegatable,value(required)
217     qualifier requeue,nonnegatable,value,syntax=stop_queue
218     qualifier entry,nonnegatable,value(required),syntax=stop_queue
219     qualifier priority,nonnegatable,value(required),syntax=stop_queue
220     qualifier queue,nonnegatable,syntax=stop_queue
221     qualifier hold,syntax=stop_queue
222     qualifier reset,nonnegatable,syntax=stop_queue
223
224 define verb time
```

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_S255\$DUA28:[CLD.SRC]MCRINT.CLD;1 (1)

225 cliroutine showtime

\$ SET COMMAND/CLI=MCR SRCS:BAD.CLD,COPY.CLD,CREATE.CLD,DEF.CLD,DELETE.CLD,DIFF.CLD,DIRECTORY.CLD,DMO.CLD,DUMP.CLD,HELP.CLD,INIT.CLD,

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