

CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLL	DDDDDDDDDD	
CCC	LLL	DDD	DDD
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CCC	LLL	DDD	DDD
CCC	LLL	DDD	DDD
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	

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DDDDDDDD      CCCCCCCC  LL      IIIIII  NN      NN  TTTTTTTTTT
DDDDDDDD      CCCCCCCC  LL      IIIIII  NN      NN  TTTTTTTTTT
DD      DD    CC      LL      II      NN      NN  TT
DD      DD    CC      LL      II      NN      NN  TT
DD      DD    CC      LL      II      NNNN     NN  TT
DD      DD    CC      LL      II      NN      NN  TT
DD      DD    CC      LL      II      NN      NN  TT
DD      DD    CC      LL      II      NN      NN  TT
DD      DD    CC      LL      II      NN      NN  TT
DD      DD    CC      LL      II      NN      NN  TT
DD      DD    CC      LL      II      NN      NN  TT
DD      DD    CC      LL      II      NN      NN  TT
DDDDDDDD      CCCCCCCC  LLLLLLLLLL  IIIIII  NN      NN  TT
DDDDDDDD      CCCCCCCC  LLLLLLLLLL  IIIIII  NN      NN  TT

```

```

          CCCCCCCC  LL      DDDDDDDD
          CCCCCCCC  LL      DDDDDDDD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
CC      LL      DD      DD
          CCCCCCCC  LLLLLLLLLL  DDDDDDDD
          CCCCCCCC  LLLLLLLLLL  DDDDDDDD

```

Version: 'V04-000'

V03-030	HWS0068	Harold Schultz	24-May-1984
	Change WRITE/SYMBOL second parameter type to \$QUOTED_STRING.		
V03-029	HWS0040	Harold Schultz	26-Mar-1984
	Change ALLOCATE syntax to ALLOCATE /GENERIC DEV Add READ/TIME_OUT=n. Add CLOSE/LOG.		
V03-028	PCG0016	Peter George	23-Mar-1984
	Add /JOB qualifier to logical name commands.		
V03-027	HWS0025	Harold Schultz	09-Mar-1984
	Add /SYMBOL to WRITE command		
V03-026	PCG0015	Peter George	01-Dec-1983
	Add DEFINE/KEY/ERASE.		
V03-025	MLJ0025	Martin L. Jack	23-Aug-1983
	Add DEFINE/FORM/PAGE_SETUP.		
V03-024	MLJ0024	Martin L. Jack	29-Jul-1983
	Enhance DEFINE/FORM.		
V03-023	PCG0014	Peter George	27-Jul-1983
	Remove privilege list. Remove X-form of logical name commands.		
V03-022	PCG0013	Peter George	21-Jun-1983
	Make second WRITE parameter \$EXPRESSION.		
V03-021	PCG0012	Peter George	21-Jun-1983
	Add /CONTINUE to CONNECT and DISCONNECT.		
V03-020	PCG0011	Peter George	21-Jun-1983
	Add CONNECT and DISCONNECT.		
V03-019	PCG0010	Peter George	31-May-1983
	Add PREFIX to XDEFINE and XALLOCATE.		
V03-018	MLJ0018	Martin L. Jack	27-May-1983
	Add DEFINE/FORM and DEFINE/CHARACTERISTIC.		
V03-017	PCG0008	Peter George	27-May-1983
	Add SECURITY priv. Add XDEFINE, XASSIGN, XALLOCATE, XDALLOCATE, XDEASSIGN.		
V03-016	PCG0007	Peter George	30-Apr-1983
	Add /LOG to ALLOCATE, ASSIGN, DEFINE.		
V03-015	MLJ0015	Martin L. Jack	27-Apr-1983
	Changes to STOP/QUEUE for new QUEMAN image.		

V03-014	PRB0175	Paul Beck	27-APR-1983 15:50:39
	Add TMPJNL, PRMJNL privileges.		
V03-013	PCG0006	Peter George	10-Apr-1983
	Modify RECALL, ALLOCATE. Create RUN.CLD.		
V03-012	PCG0005	Peter George	28-Mar-1983
	Add DEFINE/KEY, RECALL.		
V03-011	PCA1008	Paul C. Anagnostopoulos	25-Mar-1983
	Make all necessary changes for new CDU.		
V03-010	WMC0010	Wayne Cardoza	07-Mar-1983
	New RUN/CHECK qualifier		
V03-009	PCA1008	Paul C. Anagnostopoulos	4-Mar-1983
	Put back the PREFIX clause for the RUN verb.		
V03-008	MLJ0008	Martin L. Jack	01-Mar-1983
	Changes for new QUEMAN image.		
V03-007	PCA1008	Paul C. Anagnostopoulos	25-Feb-1983
	Clean up various things.		
V03-006	PCG0004	Peter George	24-Feb-1983
	Specify NOSTAT for appropriate verbs.		
V03-005	PCG0003	Peter George	05-Jan-1983
	Add READ/MATCH		
V03-004	PCG0002	Peter George	15-Dec-1982
	Remove HELP		
V03-003	PCG0001	Peter George	20-Aug-1982
	Add CANCEL		
V03-002	WMC0001	Wayne Cardoza	11-Aug-1982
	Add RUN/CHECKPOINT, RUN/RESTART		
V03-001	DWT0053	David Thiel	15-Jul-1982
	Allow negated privileges Add commands previously defined in DATABASE.MAR		

```
define verb allocate
  cliroutine allocate
  prefix clisk_allo
  parameter p1,prompt='Device',value(required,list,type=$device)
  parameter p2,prompt='Log name',value(type=$outlog)
  qualifier generic
  qualifier log
```

```
define syntax merge_queue
  image queman
```

```
define type tran_attr
```

```

keyword concealed
keyword terminal

define type name_attr
keyword confine
keyword no_alias

define verb assign
cliroutine assign
parameter p1,prompt='Device',value(required,type=$infile,list)
parameter p2,prompt='Log name',value(required,type=$outlog)
qualifier system : Must be #1.
qualifier group : Must be #2.
qualifier job : Must be #3.
qualifier process : Must be #4.
qualifier user_mode : Must be #5.
qualifier supervisor_mode : Must be #6.
qualifier executive_mode : Must be #7.
qualifier table,value(required) : Must be #8.
qualifier log : Must be #9.
qualifier name_attributes, : Must be #10.
value(type=name_attr,list)
qualifier translation_attributes, : Must be #11.
placement=positional,
value(type=tran_attr,list)
qualifier queue,syntax=merge_queue
qualifier merge,syntax=merge_queue

define verb cancel
cliroutine cancel
parameter p1,label=p1,prompt='File',value(type=$process)
qualifier identification,value(required)

define verb close
prefix clisk_clos_
cliroutine close
parameter p1,prompt='Log name',value(required,type=$inlog)
qualifier end_of_file,value(required) ! /EOF and /ERROR must be
qualifier error,value(required) ! first for all file commands.
qualifier log

define verb connect
prefix clisk_conn_
cliroutine connect
parameter p1,prompt='Terminal name',value(required,type=$device)
qualifier continue
qualifier logout
disallow (continue and logout)

define verb continue
synonym c
cliroutine continue
cliflags(abbreviate,nostatus)

define syntax deallocate_all_devices
noparameters

```

```

define verb deallocate
  cliroutine deallocat
  parameter p1,prompt="Device",value(required,type=$device)
  qualifier all,syntax=deallocate_all_devices

define syntax deassign_all_names
  noparameters

define syntax deassign_queue
  image queman

define verb deassign
  cliroutine deassign
  parameter p1,prompt="Log name",value(required,type=$inlog)
  qualifier system           : Must be #1.
  qualifier group           : Must be #2.
  qualifier job             : Must be #3.
  qualifier process         : Must be #4.
  qualifier user_mode       : Must be #5.
  qualifier supervisor_mode : Must be #6.
  qualifier executive_mode  : Must be #7.
  qualifier table,value(required) : Must be #8.
  qualifier all,syntax=deassign_all_names : Must be #9.
  qualifier queue,syntax=deassign_queue

define verb debug
  cliroutine debug

define verb deck
  cliroutine deck
  cliflags(nostatus)
  qualifier dollars, value

define syntax define_characteristic
  image queman
  parameter p1,prompt="Char name",value(required)
  parameter p2,prompt="Char number",value(required)

define type form_margin
  keyword bottom, value(required)
  keyword left, value(required)
  keyword right, value(required)
  keyword top, value(required)

define syntax define_form
  image queman
  parameter p1,prompt="Form name",value(required)
  parameter p2,prompt="Form number",value(required)
  qualifier characteristic
  qualifier description, nonnegatable,value(required)
  qualifier length, nonnegatable,value(required)
  qualifier margin, nonnegatable,value(required,list,type=form_margin)
  qualifier page_setup, value(required,list)
  qualifier setup, value(required,list)
  qualifier sheet_feed

```

```

qualifier stock,          nonnegatable,value(required)
qualifier truncate
qualifier width,         nonnegatable,value(required)
qualifier wrap

```

```

define syntax define_key
  prefix cli$K_defk_
  cliroutine defkey_
  parameter p1,prompt='Key name',value(required)
  parameter p2,prompt='Equivalence name',value(required)
  qualifier echo
  qualifier terminate
  qualifier lock_state
  qualifier if_state,value(required,list)
  qualifier set_state,value(required)
  qualifier log
  qualifier erase
  disallow (not lock_state and terminate and set_state)
  disallow (lock_state and not set_state)

```

```

define verb define
  cliroutine define
  prefix cli$K_defi_
  parameter p1,prompt='Log name',value(required,type=$outlog)
  parameter p2,prompt='Equ name',value(required,type=$infile,list)
  qualifier system           ! Must be #1.
  qualifier group           ! Must be #2.
  qualifier job             ! Must be #3.
  qualifier process         ! Must be #4.
  qualifier user_mode       ! Must be #5.
  qualifier supervisor_mode ! Must be #6.
  qualifier executive_mode  ! Must be #7.
  qualifier table,value(required) ! Must be #8.
  qualifier log             ! Must be #9.
  qualifier name_attributes, ! Must be #10.
    value(type=name_attr,list)
  qualifier translation_attributes, ! Must be #11.
    placement=positional,
    value(type=tran_attr,list)
  qualifier key,syntax=define_key
  qualifier characteristic,syntax=define_characteristic
  qualifier form,syntax=define_form

```

```

! DEPOSIT uses the same qualifiers as EXAMINE, and they must appear in the
! same order.

```

```

define verb deposit
  cliroutine deposit
  cliflags(immediate,nostatus)
  qualifier ascii,nonnegatable
  qualifier byte,nonnegatable
  qualifier decimal,nonnegatable
  qualifier hexadecimal,nonnegatable
  qualifier long,nonnegatable
  qualifier octal,nonnegatable
  qualifier word,nonnegatable

```

```
define verb disconnect
  cliroutine disconnect
  qualifier continue

define verb dsm
  image dsm
  cliflags(foreign)

define verb eod
  cliroutine eod
  cliflags(immediate,nostatus)

define verb eoj
  cliroutine eoj

define verb examine
  cliroutine examine
  prefix cli$ exam_
  cliflags(immediate,nostatus)
  qualifier ascii,nonnegatable
  qualifier byte,nonnegatable
  qualifier decimal,nonnegatable
  qualifier hexadecimal,nonnegatable
  qualifier long,nonnegatable
  qualifier octal,nonnegatable
  qualifier word,nonnegatable

define verb exit
  cliroutine exit
  cliflags(immediate)

define verb goto
  cliroutine goto
  cliflags(nostatus)
  parameter p1,prompt='Label',value(required)

define verb if
  cliroutine if
  cliflags(immediate,nostatus)

define verb inquire
  cliroutine inquire
  prefix cli$ inqu_
  cliflags(immediate)
  qualifier global,nonnegatable
  qualifier local,nonnegatable
  qualifier punctuation

define verb logout
  cliroutine logout
  qualifier brief
  qualifier full
  qualifier hangup

define verb mcr
```



```
    cliroutine mcr
    cliflags(foreign)

define verb on
    cliroutine on
    cliflags(immediate)

define type share_options
    keyword read
    keyword write

define verb open
    cliroutine open
    prefix cli$K_open
    parameter p1,prompt='Log name',value(required,type=$outlog)
    parameter p2,prompt='File',value(required,type=$infile)
    qualifier end_of_file, value(required) ! Make /EOF=1, /ERROR=2 for
    qualifier error, value(required) ! all file commands
    qualifier read
    qualifier write
    qualifier share, value(type=share_options)
    qualifier append
    disallow (write and append)

define type match_keys
    keyword eq
    keyword ge
    keyword gt

define verb read
    cliroutine read
    prefix cli$K_read
    parameter p1,prompt='Log name',value(required,type=$inlog)
    parameter p2,prompt='Symbol',value(required,type=$outfile)
    ! $outfile on p2 needed to preserve double quotes
    qualifier end_of_file, value(required) ! Make /EOF=1, /ERROR=2 for
    qualifier error, value(required) ! all file commands
    qualifier key, value(required,list)
    qualifier index, value(required)
    qualifier delete
    qualifier lock, default
    qualifier prompt, value(required)
    qualifier match, value(required,type=match_keys)
    qualifier time_out, value(required,type=$number)

define syntax recall_all_commands
    cliroutine recall
    noparameters

define verb recall
    cliroutine recall
    parameter p1,value(type=$rest_of_line)
    qualifier all,syntax=recall_all_commands

define syntax stop_cpu
    image mp
```

```

    noparameters
define syntax stop_queue
    image quemān
    parameter p1,prompt='Queue',value(required)
define syntax stop_queue_manager
    image quemān
    noparameters
define syntax write_symbol_out
    parameter p1,prompt='Log name',value(required,type=$inlog)
    parameter p2,prompt='Symbol',value(required,list,type=$quoted_string)
define verb stop
    cliroutine stop
    cliflags(nostatus)
    parameter p1,prompt='Process',value(type=$process)
    qualifier manager,      nonnegatable,syntax=stop_queue_manager
    qualifier abort,        nonnegatable,syntax=stop_queue
    qualifier next,         nonnegatable,syntax=stop_queue
    qualifier identification,nonnegatable,value(required)
    qualifier requeue,      nonnegatable,value,syntax=stop_queue
    qualifier entry,        nonnegatable,value(required),syntax=stop_queue
    qualifier priority,     nonnegatable,value(required),syntax=stop_queue
    qualifier cpu,          nonnegatable,syntax=stop_cpu
    qualifier queue,        nonnegatable,syntax=stop_queue
    qualifier hold,         syntax=stop_queue
    qualifier reset,        nonnegatable,syntax=stop_queue
define verb wait
    cliroutine wait
    cliflags(immediate,nostatus)
define verb write
    cliroutine write
    prefix cli$k_writ_
    parameter p1,prompt='Log name',value(required,type=$inlog)
    parameter p2,prompt='Expression',value(required,list,type=$expression)
    qualifier end_of_file,  value(required) ! Make /EOF=1, /ERROR=2 for
    qualifier error,       value(required) ! all file commands
    qualifier update
    qualifier symbols,      nonnegatable,syntax=write_symbol_out
```

BACKUP CLD	DCLTABLES CLD	DISMOUNT CLD	ENCRYPT CLD	MCRINT CLD	REPLY CLD
CLD	CREATE CLD	DEF CLD	DNO CLD	LIBRARIAN CLD	SET CLD
DCLTABLES MAP	ACC CLD	BAD CLD	DCLINT CLD	DELETE CLD	DUMP CLD
EXCHANGE CLD	CHECKSUM CLD	EDIT CLD	FORTRAN CLD	LINK CLD	MCRSET CLD
ANALYZE CLD	CLISYMI CLD	DIFF CLD	HELP CLD	MACRO CLD	MONITOR CLD
PSECTS R32	MCRTABLES MAP	CONVERT CLD	DIRECTORY CLD	INIT CLD	MOUNT CLD
JNLUSR MAR	COPY CLD	EDT CLD	MAIL CLD	RENAME CLD	SEARCH CLD