CLD

MCRSET
CLD

Version:        'V04-000'

    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.

V03-029 BLS0291          Benn Schreiber          24-MAR-1984
        SET PASSWORD is now in SETP0

V03-028 MAJ0007          Melanie A. Johnson      15-Mar-1984
        Add HSW0030, LMP0210, HWS0024, SHZ003, HWS0018, PCG0017,
        LMP0185, MMD0230, AEW0002, AEW0001 from SET.CLD.

V03-027 PRB0322          Paul Beck               11-Mar-1984
        Add SET CLUSTER /QUORUM

V03-026 PLL0003          Pamela Levesgue         08-Mar-1984
        Remove required types for SET TERM/DEVICE (to allow
        SET TERM to use termtable defined terminals)

V03-025 EMD0056          Ellen M. Dusseault      02-Mar-1984
        Add new terminal name, PRO_SERIES, for SET TERMINAL
        /DEVICE=

V03-024 EMD0053          Ellen M. Dusseault      28-Feb-1984
        Allow SET TERMINAL qualifier, dec_crt, to have a value
        and also a list of elements.

V03-023 MCN0154          Maria del C. Nasr       27-Feb-1984
        Add DETACHED, SUBPROCESS to /ENABLE in SET ACCOUNTING.

V03-022 RSH0107          R. Scott Hanna          24-Feb-1984
        Fix field test 1 problems with SET AUDIT.

V03-021 SHZ0002          Stephen H. Zalewski     13-Feb-1984
        Add /SECONDARY to SET PASSWORD.

V03-020 DAS0002          David Solomon           6-Feb-1984
        Remove /JOURNAL keyword from SET FILE and SET AUDIT.

V03-019 MCN0146          Maria del C. Nasr       01-Feb-1984
        Add MESSAGE keyword to /ENABLE in SET ACCOUNTING.

V03-018 EMD0043          Ellen M. Dusseault      31-Jan-1984
        add /FALLBACK to SET PRINTER

V03-017 SHZ0001          Stephen H. Zalewski     03-Jan-1984
        add /GENERATE to SET PASSWORD.

V03-016 MAJ0006          Melanie Johnson         14-Sep-1983
        Update to the same level as SET.CLD V03-047 by adding
        SET HOST/SNA/CHARACTER_SET and SET TERMINAL/SYSPASSWORD.

V03-015 GAS0175          Gerry Smith             30-Aug-1983
        Add SET BROADCAST.

V03-014 BLS0232          Benn Schreiber          5-Aug-1983
        Add SET TERM/PASTHRU

V03-013 MAJ0005          Melanie Johnson         29-Jul-1983
        Add SET HOST/BTS.  Enhance SET QUEUE to match SET.CLD

4.11

            V03-043.  Change $PARENTHESIZED_VALUE TO $ACL as in
            SET.CLD V03-040.

    V03-012 GAS0153         Gerry Smith              25-Jul-1983
            Add SET AUDIT.

    V03-011 GAS0139         Gerry Smith              17-Jun-1983
            Add SET PASSWORD/SYSTEM.

    V03-010 JLV0271         Jake VanNoy              14-JUN-1983
            Add SET HOST/LOG=output_file

    V03-009 MAJ0004         Melanie Johnson          27-May-1983
            Synchronize with SET.CLD V03-035.  Remove SET MAILBOX.

    V03-008 JLV0256         Jake VanNoy              26-May-1983
            Change default of set host/old.

    V03-007 RSH0025         R. Scott Hanna           24-May-1983
            Add SECURITY privilege

    V03-006 MAJ0003         Melanie Johnson 29-Apr-1983
            Synchronize with SET.CLD V03-027. Sigh.
            Add SET MAILBOX.

    V03-005 KPL0001         Peter Lieberwirth        29-Apr-1983
            Add the /AI_JOURNAL, /BI_JOURNAL, and /AT_JOURNAL
            qualifiers.

    V03-004 PRB0175         Paul Beck       26-APR-1983 21:29:34
            Add TMPJNL and PRMJNL privileges

    V03-003 MAJ0002         Melanie Johnson 11-Apr-1983
            Reconvert SET.CLD to MCRSET.CLD because everyone who
            has changed SET.CLD has carelessly ignored the warning
            in SET.CLD which says that MCRSET.CLD must also be changed!

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

    V03-001 MAJ0001         Melanie Johnson 11-Feb-1983
            Update this CLD to be parallel with V03-014 of SET.CLD.

****************************************************************************
 from SET.CLD

    V03-049 AEW0002         Anne Warner              15-Dec-1983
            Add /PROTECTION to SET FILE

    V03-048 AEW0001         Anne Warner              08-Nov-1983
            Add /UNLOCK to SET FILE

    V03-019 GAS0112         Gerry Smith     29-Mar-1983
            Add labels for the parts of set which are being
            converted to the new CLI interface.

M.11

    V03-018 PCG0009          Peter George      28-Mar-1983
            Add SET KEY.
            Delete MCR-specific statements.

    V03-017 PCA1008          Paul C. Anagnostopoulos 25-Mar-1983
            Replace definition of SET COMMAND for new CDU.
            Make all necessary changes for new CDU.

    V03-016 GAS0106          Gerry Smith       12-Mar-1983
            Add five new privileges, as well as /LOG to
            many new SET options.

    V03-015 MLJ0015          Martin L. Jack  01-Mar-1983
            Changes for new QUEMAN image.

    V03-014 PCA1008          Paul C. Anagnostopoulos 11 Feb 1983
            Add a comment about the equivalent CLD for MCR.

    V03-013 JLV0229          Jake VanNoy     11-Feb-1983
            Add temporary /OLD to SET HOST as a means of using
            either protocol to remote node.

    V03-012 PCA1008          Paul C. Anagnostopoulos 10 Feb 1983
            Remove MCRIGNORE flag from SET_PROMPT syntax definition, as
            the new CDU won't support it.

    V03-011 GAS0105          Gerry Smith       27-Jan-1983
            Add /LOG qualifier.

    V03-010 MLJ0010          Martin L. Jack  01-Jan-1983
            Changes for new QUEMAN image.

    V03-009 PCG0008          Peter George      19-Nov-1982
            Correct placement of PROMPT keyword.

    V03-008 PCG0007          Peter George      14-Nov-1982
            Set MCRIGNORE flag for SET PROMPT.

    V03-007 PCG0006          Peter George      29-Oct-1982
            Add SET PROMPT.  Fix SET TIME.

    V03-006 PCG0005          Peter George      21-Oct-1982
            Make SET PROTECTION work.

    V03-005 DWT0061          David Thiel       20-Oct-1982
            Use keywords for value of /CLI qualifier

    V03-004 PCG0004          Peter George      19-Oct-1982
            Correct spelling of SET CONTROL_Y keyword.
            Copy previous parameter definitions into each
            DEFINE SYNTAX statement.

    V03-003 PCG0003          Peter George      06-Oct-1982
            Correct placement of /PROTECTION and /DEFAULT
            qualifiers to SET PROTECTION.  Put mcroptdelim
            flag into cliflags construct.

```
      V03-002 PCG0002       Peter George    03-Aug-1982
              Add SET HOST/SNA

      V03-001 PCG0001       Peter George    15-Jul-1982
              Allow negated privileges
!**************************************************************************

define type file_access_types
        keyword all
        keyword control
        keyword delete
        keyword execute
        keyword read
        keyword write

define type file_audit_types
        keyword all
        keyword bypass,          value(list,default=all,type=file_access_types)
        keyword downgrade,       value(list,default=all,type=file_access_types)
        keyword failure,         value(list,default=all,type=file_access_types)
        keyword grpprv,          value(list,default=all,type=file_access_types)
        keyword readall,         value(list,default=all,type=file_access_types)
        keyword success,         value(list,default=all,type=file_access_types)
        keyword sysprv,          value(list,default=all,type=file_access_types)
        keyword upgrade,         value(list,default=all,type=file_access_types)

define type breakin_types
        keyword all
        keyword detached
        keyword dialup
        keyword local
        keyword network
        keyword remote

define type loginout_types
        keyword all
        keyword batch
        keyword detached
        keyword dialup
        keyword local
        keyword network
        keyword remote
        keyword subprocess

define type audit_types
        keyword acl
        keyword all
        keyword authorization
        keyword file_access,     value(required,list,type=file_audit_types)
        keyword breakin,         value(required,list,type=breakin_types)
        keyword logfailure,      value(required,list,type=loginout_types)
        keyword login,           value(required,list,type=loginout_types)
        keyword logout,          value(required,list,type=loginout_types)
        keyword mount
```

```
define type keep_file
        keyword recovery
        keyword journal

define type mode_types
        keyword prompt,          default,negatable

define type acl_objects
        keyword file
        keyword device
        keyword queue
        keyword event_cluster
        keyword logical_name_table
        keyword process
        keyword global_section

define type skiptypes
        keyword end_of_tape
        keyword files,value
        keyword blocks,value
        keyword records,value

define type print_bft
        keyword all,default
        keyword one

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

define type retain
        keyword all,default
        keyword error

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

define type control_keys
        keyword y

define type verify_keys
        keyword procedure,negatable
        keyword image,negatable

define type privileges
        keyword acnt,negatable
        keyword allspool,negatable
        keyword altpri,negatable
        keyword bugchk,negatable
        keyword bypass,negatable
        keyword cmexec,negatable
```

```
        keyword cmkrnl,negatable
        keyword detach,negatable
        keyword diagnose,negatable
        keyword downgrade,negatable
        keyword exquota,negatable
        keyword group,negatable
        keyword grpnam,negatable
        keyword grpprv,negatable
        keyword log_io,negatable
        keyword mount,negatable
        keyword netmbx,negatable
        keyword oper,negatable
        keyword pfnmap,negatable
        keyword phy_io,negatable
        keyword prmceb,negatable
        keyword prmgbl,negatable
        keyword prmjnl,negatable
        keyword prmmbx,negatable
        keyword pswapm,negatable
        keyword readall,negatable
        keyword same,negatable
        keyword security,negatable
        keyword setprv,negatable
        keyword share,negatable
        keyword shmem,negatable
        keyword syslck,negatable
        keyword sysgbl,negatable
        keyword sysnam,negatable
        keyword sysprv,negatable
        keyword tmpjnl,negatable
        keyword tmpmbx,negatable
        keyword upgrade,negatable
        keyword volpro,negatable
        keyword world,negatable

define type accounting_types
        keyword batch
        keyword interactive
        keyword login_failure
        keyword print
        keyword process
        keyword network
        keyword image
        keyword message
        keyword detached
        keyword subprocess

define type brdcst_types
        keyword all
        keyword none
        keyword general,negatable
        keyword phone,negatable
        keyword mail,negatable
        keyword queue,negatable
        keyword shutdown,negatable
        keyword urgent,negatable
```

```
        keyword dcl,negatable
        keyword opcom,negatable
        keyword user1,negatable
        keyword user2,negatable
        keyword user3,negatable
        keyword user4,negatable
        keyword user5,negatable
        keyword user6,negatable
        keyword user7,negatable
        keyword user8,negatable
        keyword user9,negatable
        keyword user10,negatable
        keyword user11,negatable
        keyword user12,negatable
        keyword user13,negatable
        keyword user14,negatable
        keyword user15,negatable
        keyword user16,negatable

define type journal_keywords
        keyword ai,negatable,value
        keyword at,negatable,value
        keyword bi,negatable,value
        keyword never_ru,negatable
        keyword only_ru,negatable
        keyword ru,negatable

define type schedule
        keyword size,negatable

define type separate
        keyword burst,negatable
        keyword flag,negatable
        keyword reset,negatable,value(required,list)
        keyword trailer,negatable

define type protocol_types
        keyword none
        keyword ddcmp

define type psisetx29_int_brk
        keyword action,negatable,value(type=psisetx29_action,required,list)
                        label=psisetx29_action
        keyword string,negatable,value(required),label=psisetx29_string

define type psisetx29_action
        keyword purge    negatable,label=psisetx29_purge
        keyword reset    negatable,label=psisetx29_reset
        keyword clear    negatable,label=psisetx29_clear

define  type x29_param_type
        keyword break,              label=x29_break,negatable,
                                    value(type=$number,default=1)
        keyword 7,                  label=x29_break_n,
                                    value(required,type=$number)
        keyword crfill,             label=x29_crfill,negatable,
```

```
                              value(type=$number,default=1)
        keyword 9,            label=x29_crfill_n,
                              value(required,type=$number)
        keyword delete,       label=x29_delete,negatable,
                              value(type=$number,default=1)
        keyword 16,           label=x29_delete_n,
                              value(required,type=$number)
        keyword discard_output, label=x29_discard_output,negatable,
                              value(type=$number,default=1)
        keyword 8,            label=x29_discard_output_n,
                              value(required,type=$number)
        keyword echo,         label=x29_echo,negatable
                              value(type=$number,default=1)
        keyword 2,            label=x29_echo_n,
                              value(required,type=$number)
        keyword edit,         label=x29_edit,negatable
                              value(type=$number,default=1)
        keyword 15,           label=x29_edit_n,
                              value(required,type=$number)
        keyword escape_character, label=x29_escape,negatable,
                              value(type=$number,default=1)
        keyword 1,            label=x29_escape_n,
                              value(required,type=$number)
        keyword forwarding_characters, label=x29_forwarding,negatable,
                              value(type=$number,default=1)
        keyword 3,            label=x29_forwarding_n,
                              value(required,type=$number)
        keyword hostsync,     label=x29_hostsync,negatable,
                              value(type=$number,default=1)
        keyword 5,            label=x29_hostsync_n,
                              value(required,type=$number)
        keyword lffill,       label=x29_lffill,negatable,
                              value(type=$number,default=1)
        keyword 14,           label=x29_lffill_n,
                              value(required,type=$number)
        keyword line_delete,  label=x29_line_delete,negatable,
                              value(type=$number,default=1)
        keyword 17,           label=x29_line_delete_n,
                              value(required,type=$number)
        keyword messages,     label=x29_messages,negatable,
                              value(type=$number,default=1)
        keyword 6,            label=x29_messages_n,
                              value(required,type=$number)
        keyword new_line,     label=x29_new_line,negatable,
                              value(type=$number,default=1)
        keyword 13,           label=x29_new_line_n,
                              value(required,type=$number)
        keyword redisplay_line, label=x29_redisplay_line,negatable,
                              value(type=$number,default=1)
        keyword 18,           label=x29_redisplay_line_n,
                              value(required,type=$number)
        keyword speed,        label=x29_speed,negatable,
                              value(type=$number,default=1)
        keyword 11,           label=x29_speed_n,
                              value(required,type=$number)
        keyword timeout,      label=x29_timeout,negatable,
```

```
                                value(type=$number,default=1)
        keyword 4,              label=x29_timeout_n,
                                value(required,type=$number)
        keyword ttsync,         label=x29_ttsync,negatable,
                                value(type=$number,default=1)
        keyword 12,             label=x29_ttsync_n,
                                value(required,type=$number)
        keyword wrap,           label=x29_wrap,negatable
                                value(type=$number,default=1)
        keyword 10,             label=x29_wrap_n,
                                value(required,type=$number)

define syntax acledit
        image acledt
        parameter p1,label=option,value(required)
        parameter p2,prompt='File',value(required,type=$infile),label=input
        qualifier journal,      default,value(type=$infile)
        qualifier recover,      value(type=$infile)
        qualifier keep,         value(list,type=keep_file)
        qualifier mode,         default,value(type=mode_types)
        qualifier object_type,  value(type=acl_objects)

define syntax set_accounting
        prefix cli$k_stac
        parameter p1,label=option,value(required)
        qualifier disable,      value(list,type=accounting_types)
        qualifier enable,       value(list,type=accounting_types)
        qualifier new_file
        qualifier log

define type set_acl_like
        keyword object_name,    value(required)
        keyword object_type,    value(required,type=acl_objects)

define type dial_keywords
        keyword number,         value(required)
        keyword modem_type,     value(default=DF03),default

define syntax set_acl
        image setshoacl
        parameter p1,label=option,value(required)
        parameter p2,prompt='Object',value(list,required,type=$infile),label=input
        qualifier acl,          value(list,type=$acl)
        qualifier after,        value(required,type=$acl)
        qualifier backup
        qualifier before,       value(default=today)
        qualifier by_owner,     value(type=$uic)
        qualifier confirm
        qualifier created
        qualifier default
        qualifier delete
        qualifier edit,         syntax=acledit,nonnegatable
        qualifier exclude,      value(required,list)
        qualifier expired
        qualifier like,         value(required,type=set_acl_like)
        qualifier log
```

```
        qualifier modified
        qualifier new
        qualifier object_type,   value(type=acl_objects)
        qualifier replace,       value(required,list,type=$acl)
        qualifier since,         value(default=today)

define syntax set_audit
        parameter p1,label=option,value(required)
        disallow not alarm
        disallow not enable and not disable
        qualifier alarm,         nonnegatable
        qualifier disable,       nonnegatable,value(required,list,type=audit_types)
        qualifier enable,        nonnegatable,value(required,list,type=audit_types)
        qualifier log            nonnegatable

define syntax set_broadcast
        parameter p1,label=option,value(required,list,type=set_options)
        noqualifiers

define syntax set_card_reader
        prefix cli$k_stcr
        parameter p1,label=option,value(required)
        parameter p2,label=device,prompt="Device",value(required,type=$device)
        qualifier 026
        qualifier 029
        qualifier log

define syntax set_cluster
        prefix cli$k_stcl_
        qualifier quorum,        value,nonnegatable

define syntax set_control
        parameter p1,label=option,value(required)
        noqualifiers
        cliroutine setctly

define syntax set_device
        prefix cli$k_stdv
        parameter p1,label=option,value(required)
        parameter p2,label=file,prompt="Device",value(required,type=$device)
        qualifier spooled,       value(list)
        qualifier error_logging
        qualifier available
        qualifier dual_port
        qualifier log
        qualifier served
!       qualifier write
!       qualifier controller,            value(required)
        qualifier diagnostic

        qualifier acl,                   syntax=set_dev_acl,
                                         value(list,type=$acl),nonnegatable
        qualifier after,                 value(required,type=$acl)
        qualifier default
        qualifier delete
        qualifier edit,                  syntax=acledit,nonnegatable
```

```
        qualifier like,                 value(required,type=$device)
        qualifier new
        qualifier replace,              value(required,list,type=$acl)
!       disallow (write or controller or neg write) and not served

define syntax set_dev_acl
        image setshoacl
        parameter p1,label=option,value(required)
        parameter p2,prompt="Device",value(list,required,type=$infile),label=input

define syntax set_default
        cliroutine setdefalt
        parameter p1,label=option,value(required)
        parameter p2,prompt="Directory",value(required,type=$directory)
        noqualifiers

define syntax set_directory
        prefix cli$k_stdi
        parameter p1,label=option,value(required)
        parameter p2,label=directory,prompt="Directory",value(list,required,impcat,type=$directory)
        qualifier confirm
        qualifier log
        qualifier owner_uic,            value(type=$uic)
        qualifier version_limit,        value
        qualifier exclude,              value(required,list)
        qualifier before,               value(default=today)
        qualifier since,                value(default=today)
        qualifier backup
        qualifier created
        qualifier modified
        qualifier expired
        qualifier by_owner,             value(type=$uic)
        qualifier acl,                  syntax=set_dir_acl,
                                        value(list,type=$acl),nonnegatable
        qualifier after,                value(required,type=$acl)
        qualifier default
        qualifier delete
        qualifier edit,                 syntax=acledit,nonnegatable
        qualifier like,                 value(required,type=$infile)
        qualifier new
        qualifier replace,              value(required,list,type=$acl)

define syntax set_dir_acl
        image setshoacl
        parameter p1,label=option,value(required)
        parameter p2,prompt="Directory",value(list,required,type=$infile),label=input

define syntax set_file
        prefix cli$k_stfl
        parameter p1,label=option,value(required)
        parameter p2,label=file,prompt="File",value(list,impcat,required,type=$infile)
        qualifier backup
        qualifier confirm
        qualifier data_check,           value(list)
        qualifier end_of_file,
        qualifier enter                 value(required,type=$infile)
```

```
        qualifier erase_on_delete
        qualifier expiration_date,      value(required,type=$datetime)
        qualifier extension,            value
        qualifier global_buffers,       value(required)
!**JNL**        qualifier journal,              value(required,list,
!**JNL**                                        type=journal_keywords),nonnegatable
        qualifier log
        qualifier nodirectory
        qualifier owner_uic,            value(type=$infile)
        qualifier record_protection,    value
        qualifier truncate
        qualifier remove
        qualifier version_limit,        value
        qualifier exclude,              value(required,list)
        qualifier before,              value(default=today)
        qualifier since,               value(default=today)
        qualifier created
        qualifier modified
        qualifier by_owner,             value(type=$uic)
        qualifier acl,                  syntax=set_file_acl,
                                        value(list,type=$acl),nonnegatable
        qualifier after,                value(required,type=$acl)
        qualifier default
        qualifier delete
        qualifier edit,                 syntax=acledit,nonnegatable
        qualifier like,                 value(required,type=$infile)
        qualifier new
        qualifier replace,              value(required,list,type=$acl)
        qualifier unlock,
        qualifier protection,           value(list,type=protection)

define syntax set_file_acl
        image setshoacl
        parameter p1,label=option,value(required)
        parameter p2,prompt="File",value(list,required,type=$infile),label=input

define syntax set_host_bts
        image btslnk
        qualifier exit_key,         label=exitkey,nonnegatable,value(required)

define syntax set_host_hsc
        image hscpad
        noqualifiers

define syntax set_host_sna
        image   snaterm
        qualifier access_name,     label=snaterm_access_name,
                                   value(required),nonnegatable,placement=global
        qualifier session_address, label=snaterm_session_addr,
                                   value(required),nonnegatable,placement=global
        qualifier circuit,         label=snaterm_circuit,
                                   value(required),nonnegatable,placement=global
        qualifier application_name, label=snaterm_appl_name,
                                   value(required),nonnegatable,placement=global
        qualifier logon_mode,      label=snaterm_logon_mode,
                                   value(required),nonnegatable,placement=global
```

```
        qualifier user_name,     label=snaterm_user_name,
                                 value(required),nonnegatable,placement=global
        qualifier data,          label=snaterm_data,
                                 value(required),nonnegatable,placement=global
        qualifier password,      label=snaterm_password,
                                 value(required),nonnegatable,placement=global
        qualifier printer,       label=snaterm_printer,
                                 value(required,type=$outfile),
                                 nonnegatable,placement=global
        qualifier wait,          label=snaterm_wait,placement=global
        qualifier character_set,label=snaterm_character_set,
                                 value(required,type=$infile),nonnegatable

define  syntax set_host_x29_ccitt
        parameter p1,            label=option,value(required)
        parameter p2,            label=psipad_dte,prompt="Node"
        disallow <set_host_x29>psipad_parameters.x29_speed
        disallow <set_host_x29>psipad_parameters.x29_speed_n
        disallow not psipad_dte and (
                        <set_host_x29>psipad_cug or
                        <set_host_x29>psipad_facilities or
                        <set_host_x29>psipad_fast_select or
                        <set_host_x29>psipad_local_dte or
                        <set_host_x29>psipad_packet_size or
                        <set_host_x29>psipad_protocol_id or
                        <set_host_x29>psipad_reverse or
                        <set_host_x29>psipad_subaddress or
                        <set_host_x29>psipad_thruput_class or
                        <set_host_x29>psipad_user_data or
                        <set_host_x29>psipad_window_size )

define  syntax set_host_x29
        image psipad
        parameter p1,            label=option,value(required)
        parameter p2,            label=psipad_dte,prompt="Node",value(required)
        qualifier ccitt,         label=psipad_ccitt,syntax=set_host_x29_ccitt,
                                 nonnegatable
        qualifier closed_user_group, label=psipad_cug,nonnegatable,value
        qualifier default_escape_character, label=psipad_dle,default,
                                 value(default=P)
        qualifier facilities,    label=psipad_facilities,
                                 value(required,list,type=$number)
        qualifier fast_select,   label=psipad_fast_select
        qualifier local_dte,     label=psipad_local_dte,value(required)
        qualifier log,           label=psipad_log,
                                 value(type=$outfile,default=PSIPAD.LOG)
        qualifier packet_size,   label=psipad_packet_size,
                                 value(type=$number,required)
        qualifier parameters,    label=psipad_parameters,
                                 value(type=x29_param_type,list,required)
        qualifier profile,       label=psipad_profile,value(required,list)
        qualifier protocol_identifier, label=psipad_protocol_id,nonnegatable,
                                 value(required)
        qualifier reverse_charging, label=psipad_reverse
        qualifier statistics,    label=psipad_statistics,default
        qualifier subaddress,    label=psipad_subaddress,value(required)
```

```
        qualifier thruput_class, label=psipad_thruput_class,
                          value(required,type=$number)
        qualifier user_data,    label=psipad_user_data,value(required)
        qualifier vms_mode,     label=psipad_vms_mode
        qualifier window_size,  label=psipad_window_size,
                          value(required,type=$number)
        disallow psipad_parameters.x29_speed
        disallow psipad_parameters.x29_speed_n

define syntax set_host
        image rtpad
        parameter p1,label=option,value(required)
        parameter p2,prompt='Node',value(required,type=$node),
                   label=node
        qualifier sna,          nonnegatable,syntax=set_host_sna
        qualifier bts,          nonnegatable,syntax=set_host_bts
        qualifier old,          label=old
        qualifier log,          label=log,
                          value(default=SETHOST.LOG,type=$outfile)
        qualifier dte,          label=dte
        qualifier dial,         value(list,type=dial_keywords)
        qualifier hsc,          nonnegatable,syntax=set_host_hsc
        qualifier x29,          nonnegatable,syntax=set_host_x29

define syntax set_logins
        prefix cli$k_stlg
        parameter p1,label=option,value(required)
        qualifier interactive,  value

define syntax set_magtape
        prefix cli$k_stmt
        parameter p1,label=option,value(required)
        parameter p2,label=device,prompt='Device',value(required,type=$device)
        qualifier density,      value(required)
        qualifier rewind
        qualifier unload
        qualifier logsoft
        qualifier log
        qualifier end_of_file
        qualifier skip,         value(required,type=skiptypes)

define syntax set_message
        image setp0
        prefix cli$k_stms
        parameter p1,label=option,value(required)
        parameter p2,label=file,prompt='File',value(type=$infile)
        qualifier delete,
        qualifier facility
        qualifier ident
        qualifier severity
        qualifier text
        qualifier language,     value(required)

define syntax set_on
        cliroutine seton
        parameter p1,label=option,value(required)
```

```
        noqualifiers

define syntax set_password
        image setp0
        parameter p1,label=option,value(required)
        qualifier generate        value(type=$number)
        qualifier secondary
        qualifier system

define syntax set_printer
        prefix cli$k_stlp
        parameter p1,label=option,value(required)
        parameter p2,label=device,prompt="Device",value(required,type=$device)
        qualifier cr
        qualifier ff
        qualifier uppercase
        qualifier lowercase
        qualifier la11           nonnegatable
        qualifier la180          nonnegatable
        qualifier lp11           nonnegatable
        qualifier page,          default,value,nonnegatable
        qualifier unknown        nonnegatable
        qualifier width,         default,value,nonnegatable
        qualifier passall
        qualifier fallback
        qualifier davfu
        qualifier form_unit
        qualifier wrap
        qualifier printall
        qualifier log
        qualifier truncate
        qualifier tab
        qualifier sixels
        qualifier bitmapped

define syntax set_process
        prefix cli$k_stpc_
        cliroutine setprocess
        parameter p1,label=option,value(required)
        parameter p2,label=process,prompt="Process",value(type=$process)
        qualifier identification,value(required)
        qualifier priority,      value(required)
        qualifier resource_wait
        qualifier swapping
        qualifier privileges,    value(list,required,type=privileges)
        qualifier suspend
        qualifier resume,
        qualifier name,          value(required)

define syntax set_def_prot
        cliroutine setprot
        prefix cli$k_stpr
        parameter p1,label=option,value(required)
        qualifier default

define syntax set_protection
```

```
        prefix cli$k_stpr
        parameter p1,label=option,value(required,type=set_options)
        parameter p2,label=file,prompt="File",value(list,required,impcat,type=$infile)
        qualifier default,       syntax=set_def_prot,nonnegatable
        qualifier protection,    placement=local,
                                 value(list,type=protection,required)
        qualifier device
        qualifier owner_uic,     value(type=$uic)
        qualifier confirm
        qualifier log

define syntax set_queue
        image queman
        parameter p1,label=option,value(required,type=set_options)
        parameter p2,prompt="Queue"
        qualifier after,         value(required,type=$datetime)
        qualifier base_priority,value(required)
        qualifier block_limit,   value(required,list)
        qualifier burst
        qualifier characteristics,value(required,list)
        qualifier checkpoint,    default
        qualifier cli,           value(required)
        qualifier copies,        value(required)
        qualifier cpudefault,    value(required)
        qualifier cpumaximum,    value(required)
        qualifier cputime,       value(required)
        qualifier default,       value(required,list,type=defaults)
        qualifier delete
        qualifier disable_swapping
        qualifier enable_generic
        qualifier entry,         value(required)
        qualifier feed
        qualifier flag
        qualifier form,          value(required)
        qualifier header
        qualifier hold
        qualifier job_,          value(required) ! collision: job_count, job_limit
        qualifier keep
        qualifier log_file,      value(required)
        qualifier lowercase
        qualifier name,          value(required)
        qualifier note,          value(required)
        qualifier notify
        qualifier operator,      value(required)
        qualifier owner_uic,     value(required,type=$uic)
        qualifier pages,         value(required,list)
        qualifier parameters,    value(required,list)
        qualifier passall
        qualifier printer,       value(required)
        qualifier priority,      value(required)
        qualifier protection,    value(required,list,type=protection)
        qualifier release
        qualifier requeue,       value(required)
        qualifier restart
        qualifier retain,        value(type=retain)
        qualifier schedule       value(required,list,type=schedule)
```

```
        qualifier separate,     value(required,list,type=separate)
        qualifier setup,        value(required,list)
        qualifier space
        qualifier trailer
        qualifier wsdefault,    value(required)
        qualifier wsextent,     value(required)
        qualifier wsquota,      value(required)

define syntax set_restart_value
        image queman
        parameter p1,label=option,value(required,type=set_options)

define syntax set_rms_default
        prefix cli$k_strm_
        parameter p1,label=option,value(required)
        qualifier block_count,  value(required)
        qualifier buffer_count, value(required)
        qualifier disk
        qualifier magtape
        qualifier unit_record
        qualifier hash
        qualifier indexed
        qualifier relative
        qualifier sequential
        qualifier system
        qualifier space_holder
        qualifier prologue value(required)
        qualifier extend_quantity value(required)
        qualifier network_block_count,value(required)

define   syntax   set_term x29
        image    psisetx29
        parameter       p1,      label=option,value(required)
        parameter       p2,      label=device,prompt="Device",value(type=$device)
        qualifier       hold_timer,     value(type=$number,required)
                                label=psisetx29_hold_timer
        qualifier       interrupt,      value(type=psisetx29_int_brk,list,
                                        required),
                                        label=psisetx29_interrupt
        qualifier       break,          value(type=psisetx29_int_brk,list,
                                        required),
                                        label=psisetx29_break
        qualifier       parameters      label=psisetx29_paramters
                                value(type=x29_param_type,list,required)
        qualifier       network_specific label=psisetx29_network_specific
                                value(list,required)
        qualifier       permanent,      label=psisetx29_permanent,nonnegatable
        qualifier       log,            label=psisetx29_log

define syntax set_terminal
        prefix cli$k_sttt
        parameter p1,label=option,value(required)
        parameter p2,label=device,prompt="Device",value(type=$device)
        qualifier application_keypad
        qualifier broadcast
        qualifier crfill,       value
```

```
        qualifier dismiss_parity
        qualifier echo
        qualifier eight_bit
        qualifier escape
        qualifier hardcopy
        qualifier hold_screen
        qualifier hostsync
        qualifier interactive
        qualifier la36            nonnegatable
        qualifier lffill,         value
        qualifier form
        qualifier frame,          value,nonnegatable
        qualifier lowercase
        qualifier numeric_keypad
        qualifier page,           value
        qualifier passall
        qualifier la120           nonnegatable
        qualifier scope
        qualifier scribe
        qualifier speed,          value(required,list)
        qualifier tab
        qualifier ttsync
        qualifier typeahead
        qualifier unknown         nonnegatable
        qualifier uppercase
        qualifier vt05            nonnegatable
        qualifier vt52            nonnegatable
        qualifier vt55            nonnegatable
        qualifier width,          value
        qualifier wrap
        qualifier parity,         value
        qualifier readsync
        qualifier permanent       nonnegatable
        qualifier vt100           nonnegatable
        qualifier ft1             nonnegatable
        qualifier ft2             nonnegatable
        qualifier ft3             nonnegatable
        qualifier ft4             nonnegatable
        qualifier ft5             nonnegatable
        qualifier ft6             nonnegatable
        qualifier ft7             nonnegatable
        qualifier ft8             nonnegatable
        qualifier fulldup
        qualifier halfdup
        qualifier local_echo
        qualifier autobaud
        qualifier hangup
        qualifier brdcstmbx
        qualifier dma
        qualifier altypeahd
        qualifier ansi_crt
        qualifier regis
        qualifier block_mode
        qualifier advanced_video
        qualifier xon             nonnegatable
        qualifier device_type     value(required),nonnegatable
```

C 13

```
        qualifier modem
        qualifier inquire          nonnegatable
        qualifier dec_crt,         value(list)
        qualifier edit
        qualifier set_speed
        qualifier line_edit
        qualifier disconnect
        qualifier fallback
        qualifier dialup
        qualifier insert_editing
        qualifier printer_port
        qualifier secure_server
        qualifier sixel
        qualifier soft_characters
        qualifier overstrike
        qualifier log
        qualifier pasthru
        qualifier syspassword
        qualifier protocol         value(required,type=protocol_types),nonnegatable
        qualifier x29              nonnegatable,syntax=set_term_x29

define syntax set_uic
        cliroutine setuic
        parameter p1,label=option,value(required)
        parameter p2,prompt="UIC",value(required,type=$uic)
        noqualifiers

define syntax set_verify
        cliroutine setverify
        parameter p1,label=option,value(required,type=set_options)
        disallow (not verify and (verify.procedure or verify.image))

define syntax set_volume
        prefix cli$k_stvl
        parameter p1,label=option,value(required)
        parameter p2,label=volume,prompt="Volume",value(required,type=$infile)
        qualifier accessed,         value
        qualifier data_check,       value(list)
        qualifier erase_on_delete
        qualifier extension,        value
        qualifier file_protection,  value(type=protection,list,required)
        qualifier highwater_marking
        qualifier label,            value(required)
        qualifier log
        qualifier mount_verification
        qualifier owner_uic,        value(type=$uic)
        qualifier protection,       value(type=protection,list,required)
        qualifier rebuild,
        qualifier retention,        value(list,required)
        qualifier unload
        qualifier user_name,        value
        qualifier windows,          value

define syntax set_working_set
        prefix cli$k_stwr
        parameter p1,label=option,value(required)
```

```
        qualifier limit,         value(required)
        qualifier quota,         value(required)
        qualifier extent,        value(required)
        qualifier adjust
        qualifier log

define syntax set_day
        prefix cli$k_stdy
        parameter p1,label=option,value(required)
        qualifier primary
        qualifier secondary
        qualifier default

! The following definitions comprise the SET COMMAND command, which is used
! to compile and manipulate command definition (CLD) files and their
! associated CLI tables.

define type cli_names
        keyword dcl,label=cli_dcl,default
        keyword mcr,label=cli_mcr

define syntax set_command
        image cdu
        parameter p1,label=option,value(required)
        parameter p2,label=cld_spec,prompt="CLD File(s)",value(list,type=$infile)
        qualifier delete,value(required,list)
        qualifier object,value(type=$outfile)
        qualifier replace,default
        qualifier symbols,value(required,type=$outfile)
        qualifier cli,default,nonnegatable,value(required,type=cli_names)
        qualifier listing,value(type=$outfile)
        qualifier log
        qualifier output,default,value(type=$outfile)
        qualifier tables,default,value(type=$infile)
        disallow (any2(delete,object,replace,symbols))
        disallow (listing and (delete or symbols))

define syntax no_parameter
        parameter p1,label=option,value(required,type=set_options)
        noqualifiers

define type set_options
        prefix cli$k_set_
        keyword accounting,      syntax=set_accounting
        keyword acl,             syntax=set_acl
        keyword audit,           syntax=set_audit
        keyword broadcast,       syntax=set_broadcast,
                                 value(list,required,type=brdcst_types)
        keyword card_reader,     syntax=set_card_reader
        keyword cluster,         syntax=set_cluster
        keyword device,          syntax=set_device
        keyword default,         syntax=set_default
        keyword directory,       syntax=set_directory
        keyword file,            syntax=set_file
        keyword logins,          syntax=set_logins
        keyword magtape,         syntax=set_magtape
```

```
        keyword on,              syntax=set_on,negatable
        keyword password,        syntax=set_password
        keyword printer,         syntax=set_printer
        keyword process,         syntax=set_process
        keyword protection,      syntax=set_protection,
                                 value(list,type=protection)
        keyword queue,           syntax=set_queue
        keyword terminal,        syntax=set_terminal
        keyword uic,             syntax=set_uic,cliflags(mcroptdelim)
        keyword verify,          syntax=set_verify,negatable,cliflags(mcrignore)
                                 value(list,type=verify_keys)
        keyword volume,          syntax=set_volume
        keyword working_set,     syntax=set_working_set
        keyword rms_default,     syntax=set_rms_default
        keyword control_y,       syntax=set_control,negatable,
                                 value(list,type=control_keys)
        keyword time,            syntax=no_parameter,value
        keyword host,            syntax=set_host
        keyword message,         syntax=set_message
        keyword command,         syntax=set_command
        keyword.day,             syntax=set_day
        keyword restart_value,   syntax=set_restart_value,value

define verb set
        parameter p1,label=option,prompt="What",
                        value(required,type=set_options)
```

BACKUP CLD — DCLTABLES CLD — DISMOUNT CLD — ENCRYPT CLD — REPLY CLD

CLD — CREATE CLD — MCRINT CLD — SET CLD

DCLTABLES MAP — DEF CLD — DMO CLD — LIBRARIAN CLD — PASCAL CLD — RUN CLD

ACC CLD — BAD CLD

DCLINT CLD — DELETE CLD — DUMP CLD — EXCHANGE CLD — MCRTABLES CLD — PATCH CLD

CHECKSUM CLD

ANALYZE CLD — EDIT CLD — FORTRAN CLD — LINK CLD — MESSAGE CLD — PHONE CLD

CLISYM1 CLD — MCRSET CLD — RUNOFF CLD

PSECTS R32 — DIFF CLD — MONITOR CLD — RECOVER CLD

MCRTABLES MAP — CONVERT CLD — HELP CLD — MACRO CLD

DIRECTORY CLD — SDL CLD

JNLUSR MAR — COPY CLD — EDT CLD — INIT CLD — MOUNT CLD — RENAME CLD

MAIL CLD — SEARCH CLD