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CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	
CCCCCCCCCCCC	LLLLLLLLLLLLLLLL	DDDDDDDDDD	

```

      AAAAAA      NN      NN      AAAAAA      LL      YY      YY      ZZZZZZZZZZ      EEEEEEEEEEE
      AAAAAA      NN      NN      AAAAAA      LL      YY      YY      ZZZZZZZZZZ      EEEEEEEEEEE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NNNN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NNNN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AAAAA      NN      NNNN      AAAAAA      LL      YY      YY      ZZ      EE
AAAAA      NN      NNNN      AAAAAA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LL      YY      YY      ZZ      EE
AA      AA      NN      NN      AA      AA      LLLLLLLLLL      YY      ZZZZZZZZZZ      EEEEEEEEEEE
AA      AA      NN      NN      AA      AA      LLLLLLLLLL      YY      ZZZZZZZZZZ      EEEEEEEEEEE

```

```

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

```

Version: 'V04-000'

V03-022 DGB0066 Donald G. Blair 03-Jul-1984  
Allow negation of all qualifiers for ANALYZE/IMAGE and  
ANALYZE/OBJECT and ANALYZE/RMS\_FILE

V03-021 EAD0147 Elliott A. Drayton 12-Apr-1984  
Change file default for ANALYZE/ERROR\_LOG.

V03-020 SAR0244 Sharon A. Reynolds 4-Apr-1984  
Removed the negatable clause from /sid\_selection  
for ANALYZE/ERROR\_LOG.

V03-019 EAD0121 Elliott A. Drayton 24-Mar-1984  
Removed qualifier UNKNOWN.

V03-018 EAD0106 Elliott A. Drayton 28-Feb-1984  
Added LIST keyword for parameter(list of input file names)

V03-017 WMC0007 Wayne Cardoza 27-Feb-1984  
Remove checkpoint and journaling related stuff.

V03-016 JMG0011 Joel M. Gringorten 6-Feb-1984  
Added STATISTICS qualifier for ANALYZE/SUMMARY.

V03-015 SAR0185 Sharon A. Reynolds 17-Jan-1984  
Added HISTOGRAM keyword for ANALYZE/ERROR/SUMMARY.

V03-014 SAR0123 Sharon A. Reynolds 23-Aug-1983  
Added a file spec value for the /binary qualifier  
for ANALYZE/ERROR\_LOG.

V03-013 LJA0084 Laurie J. Anderson 25-Jul-1983  
Fix CLD defaults for ANALYZE/AUDIT

V03-012 WMC0006 Wayne Cardoza 24-Jul-1983  
Add ANALYZE/PROC/OUTPUT.

V03-011 LJA0076 Laurie J. Anderson 21-Jun-1983  
Add support for new ANALYZE/AUDIT utility

V03-010 SAR0019 Sharon A. Reynolds, 27-Apr-1983  
Added keyword support for /summary. Removed the negatable  
clause for /brief, /register\_dump, and /unknown qualifiers.  
(analyze/error).

V03-009 WMC0005 Wayne Cardoza 20-Apr-1983  
Add ANALYZE/PROCESS DUMP  
THIS AND THE TWO PRECEDING UPDATES WERE ACCIDENTALLY DELETED  
SOMEHOW.

V03-008 PCA1012 Paul C. Anagnostopoulos 14-Apr-1983  
Allow /NOOUTPUT on the ANALYZE/RMS command.

V03-007 WMC0004 Wayne Cardoza 04-Apr-1983

More /CHECKPOINT qualifiers.

V03-006 PCA0070 Paul C. Anagnostopoulos 31-Mar-1983  
Remove the PROMPT clauses from the qualifiers added in  
EAD0070.

V03-005 EAD0070 Elliott A. Drayton 29-Mar-1983  
Add support for ana/error.

V03-004 WMC0003 Wayne Cardoza 25-Mar-1983  
Add /OUTPUT for checkpoint

V03-003 WMC0002 Wayne Cardoza 10-Feb-1983  
New checkpoint qualifiers

V03-002 MTR0001 Mike Rhodes 3-Jan-1983  
Add list to PATTERN keyword (ANALYZE/MEDIA/EXERCISE).

V03-001 WMC0001 Wayne Cardoza 28-Dec-1982  
Add /CHECKPOINT qualifiers

```
define syntax analyze_crash_dump
  image sda
  parameter p1,label=dump_file,prompt='Dump File',value(required,type=$infile)
  qualifier CRASH_DUMP,default
  qualifier SYSTEM
  qualifier SYMBOLS,value(required,type=$infile)
```

```
define syntax analyze_disk_structure
  image verify
  parameter p1,label=device,prompt='Device',value(required,type=$device)
  qualifier CONFIRM
  qualifier DISK_STRUCTURE,default
  qualifier LIST,value(type=$outfile)
  qualifier READ_CHECK
  qualifier REPAIR
  qualifier USAGE,value(type=$outfile)
```

```
define type SUMMARY_TYPE_KEYWORDS
  keyword DEVICE
  keyword ENTRY
  keyword HISTOGRAM
  keyword MEMORY
  keyword VOLUME
```

```
define type ENTRY_KEYWORDS
  keyword END, value(type=$number)
  keyword START, value(type=$number)
```

```
define syntax analyze_error_log
  image SYSSYSTEM:ERF.EXE
  parameter P1,label=file_specs,
    value(list,type=$infile,default='SYSSERRORLOG:ERRLOG.SYS')
  qualifier BEFORE, value(type=$datetime),nonnegatable
  qualifier BINARY, value(type=$outfile)
  qualifier BRIEF, nonnegatable
```

```

qualifier ENTRY,          value(required,
                           type=ENTRY_KEYWORDS,list),
                           nonnegatable
qualifier EXCLUDE,       value(required,list),
                           nonnegatable
qualifier FULL,          negatable
qualifier INCLUDE,       value(required,list),
                           nonnegatable
qualifier LOG,           negatable
qualifier OUTPUT,        default,value(default=SYSS$OUTPUT),
                           nonnegatable
qualifier PAGE,          negatable
qualifier REJECTED,      value(type=$outfile)
qualifier REGISTER_DUMP, nonnegatable
qualifier SID_REGISTER,  value(required,
                           type=$number),nonnegatable
qualifier SINCE,         value(default=today,type=$datetime),
                           nonnegatable
qualifier STATISTICS,    nonnegatable
qualifier SUMMARY,       value(type=SUMMARY_TYPE_KEYWORDS,list),
                           nonnegatable

define syntax analyze_image
  image analyzeobj
  parameter p1,label=file_specs,prompt='File(s)',value(required,list,type=$infile)
  qualifier FIXUP_SECTION,placement=positional
  qualifier GST,placement=positional
  qualifier HEADER,placement=positional
  qualifier OUTPUT,default,value(default='SYSS$OUTPUT',type=$outfile)
  qualifier IMAGE,default
  qualifier INTERACTIVE
  qualifier PATCH_TEXT,placement=positional

define syntax analyze_rms_file
  image analyzrms
  parameter p1,label=file_specs,prompt='File(s)',value(required,list,type=$infile)
  qualifier CHECK
  qualifier FDL
  qualifier INTERACTIVE
  qualifier STATISTICS
  qualifier SUMMARY
  qualifier OUTPUT,default,value(type=$outfile)

define syntax analyze_system
  image sda
  noparameters

: Keyword definitions for ANALYZE/MEDIA
define type exer_keywords
  keyword FULL
  keyword KEEP,negatable
  keyword PATTERN,value(list)

define type show_keywords

```

keyword BEFORE, negatable  
keyword AFTER, negatable

```
define syntax analyze_media
  image analyzbad
  parameter p1, label=device, prompt='Device', value (required, type=$device)

  qualifier BAD_BLOCKS, nonnegatable, value (list)
  qualifier EXERCISE, value (list, type=exer_keywords)
  qualifier LOG
  qualifier OUTPUT, value (default='SYSS$OUTPUT', type=$outfile)
  qualifier RETRY
  qualifier SHOW, nonnegatable, value (list, type=show_keywords)
```

```
! **JNL** define syntax analyze_checkpoint
! **JNL**   image chkana[
! **JNL**   parameter p1, prompt='File', value(required, type=$infile), label=chkpnt
! **JNL**   qualifier full
! **JNL**   qualifier quota
! **JNL**   qualifier interactive
! **JNL**   qualifier database
! **JNL**   qualifier output, value(default='SYSS$OUTPUT', type=$outfile)
! **JNL**   qualifier record, value(required)
! **JNL**   qualifier create, value(type=$outfile)
```

```
define syntax analyze_process_dump
  image analindmp
  parameter p1, prompt='File', value(required, type=$infile)
  qualifier image, value(type=$outfile)
  qualifier noimage
  qualifier interactive
  qualifier full
  qualifier miscellaneous
  qualifier relocation
  qualifier output, value(default='SYSS$OUTPUT', type=$outfile)
```

Keyword definitions for ANALYZE/AUDIT

```
! **JNL** define type FILE_ACCESS_KEYWORDS
! **JNL**   keyword BYPASS, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword FAILURE, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword GRPPRV, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword READALL, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword SUCCESS, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword SYSPRV, value( list, type=ACCESS_TYPE_KEYWORDS )
! **JNL**   keyword RECORD_MANAGEMENT, value( list, type=RMS_SERVICES )
```

```
! **JNL** define type ACCESS_TYPE_KEYWORDS
! **JNL**   keyword READ
! **JNL**   keyword WRITE
! **JNL**   keyword EXECUTE
! **JNL**   keyword DELETE
! **JNL**   keyword OWNER
```

```
! **JNL** define type RMS_SERVICES
! **JNL**   keyword CLOSE
```

```

! **JNL**      keyword CREATE
! **JNL**      keyword DELETE
! **JNL**      keyword EXTEND
! **JNL**      keyword FIND
! **JNL**      keyword GET
! **JNL**      keyword OPEN
! **JNL**      keyword PUT
! **JNL**      keyword READ
! **JNL**      keyword TRUNCATE
! **JNL**      keyword UPDATE
! **JNL**      keyword WRITE

! **JNL**      define type LOGIN_KEYWORDS
! **JNL**      keyword BATCH
! **JNL**      keyword DIALUP
! **JNL**      keyword FAILURES
! **JNL**      keyword LOCAL
! **JNL**      keyword NETWORK
! **JNL**      keyword PROCESS

! **JNL**      define type LOGOUT_KEYWORDS
! **JNL**      keyword BATCH
! **JNL**      keyword DIALUP
! **JNL**      keyword LOCAL
! **JNL**      keyword NETWORK
! **JNL**      keyword PROCESS

! **JNL**      define type JOURNAL_TYPE_KEYWORDS
! **JNL**      keyword AT          default
! **JNL**      keyword AI
! **JNL**      keyword BI
! **JNL**      keyword RU

! **JNL**      define syntax analyze_audit
! **JNL**      image audit
! **JNL**      parameter p1,label=file_spec,value(list,type=$infile)
! **JNL**      qualifier ACL
! **JNL**      qualifier AUTHORIZATION
! **JNL**      qualifier BACKWARD,      nonnegatable
! **JNL**      qualifier BEFORE,        nonnegatable,value(default=TODAY,type=$datetime)
! **JNL**      qualifier FILE_ACCESS,   value(type=FILE_ACCESS_KEYWORDS,(list)
! **JNL**      qualifier FORWARD,      nonnegatable,default
! **JNL**      qualifier FULL
! **JNL**      qualifier IDENTIFICATION, value(list,type=$number,required)
! **JNL**      qualifier JOURNAL,      nonnegatable,value(list,type=$infile)
! **JNL**      qualifier LOGIN,        value(list,type=LOGIN_KEYWORDS)
! **JNL**      qualifier LOGOUT,      value(list,type=LOGOUT_KEYWORDS)
! **JNL**      qualifier MAILBOX_IO,   value(list,type=$device)
! **JNL**      qualifier MOUNT
! **JNL**      qualifier OUTPUT        nonnegatable,value(type=$outfile,default=sys$output:),default
! **JNL**      qualifier SETPRV
! **JNL**      qualifier SINCE,        nonnegatable,value(default=TODAY,type=$datetime)
! **JNL**      qualifier TERMINAL_IO,  value(list,type=$device)
! **JNL**      qualifier TYPE,        value(required,type=JOURNAL_TYPE_KEYWORDS)
! **JNL**      qualifier UIC,         value(list,type=$uic)

```

```
! **JNL** disallow (BACKWARD and FORWARD)
```

```
! ANALYZE
```

```
define verb ANALYZE
```

```
  image analyzobj
```

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

```
! **JNL**
```

```
  qualifier AUDIT,nonnegatable,syntax=analyze_audit
```

```
  qualifier CRASH_DUMP,nonnegatable,syntax=analyze_crash_dump
```

```
  qualifier DISK_STRUCTURE,nonnegatable,syntax=analyze_disk_structure
```

```
  qualifier ERROR_LOG,nonnegatable,syntax=analyze_error_log
```

```
  qualifier IMAGE,nonnegatable,syntax=analyze_image
```

```
  qualifier MEDIA,nonnegatable,syntax=analyze_media
```

```
  qualifier OBJECT,default,nonnegatable
```

```
  qualifier RMS_FILE,nonnegatable,syntax=analyze_rms_file
```

```
  qualifier SYSTEM,nonnegatable,syntax=analyze_system
```

```
! **JNL**
```

```
  qualifier CHECKPOINT,nonnegatable,syntax=analyze_checkpoint
```

```
  qualifier PROCESS_DUMP,nonnegatable,syntax=analyze_process_dump
```

```
  qualifier DBG,placement=positional
```

```
  qualifier EOM,placement=positional
```

```
  qualifier GSD,placement=positional
```

```
  qualifier INCLUDE,placement=local,value(default='*',list)
```

```
  qualifier INTERACTIVE
```

```
  qualifier LNK,placement=positional
```

```
  qualifier MHD,placement=positional
```

```
  qualifier OUTPUT,default,value(default='SYS$OUTPUT',type=$outfile)
```

```
  qualifier TBT,placement=positional
```

```
  qualifier TIR,placement=positional
```



BACKUP CLD	DCLTABLES CLD	DISMOUNT CLD	ENCRYPT CLD	LIBRARIAN CLD	REPLY CLD
CLD	CREATE CLD	DCLINT CLD	EXCHANGE CLD	MCRINT CLD	SET CLD
DCLTABLES MAP	DEF CLD	DMO CLD	LIBRARIAN CLD	PASCAL CLD	RUN CLD
ACC CLD	BAD CLD	DELETE CLD	DUMP CLD	MORTABLES CLD	PATCH CLD
CHECKSUM CLD	ANALYZE CLD	EDIT CLD	FORTRAN CLD	LINK CLD	MESSAGE CLD
PHONE CLD	CLISYMI CLD	DIFF CLD	MACRO CLD	MCRSET CLD	MONITOR CLD
RECOVER CLD	PSECTS R32	CONVERT CLD	HELP CLD	MACRO CLD	RUNOFF CLD
MORTABLES MAP	DIRECTORY CLD	EDT CLD	INIT CLD	MOUNT CLD	RENAME CLD
UNLUSR MAR	COPY CLD	MAIL CLD	SEARCH CLD	SDL CLD	