

IIIIIIIIII	NNN	NNN	SSSSSSSSSS	TTTTTTTTTTTTTTTT	AAAAAAAAAA	LLL	
IIIIIIIIII	NNN	NNN	SSSSSSSSSS	TTTTTTTTTTTTTTTT	AAAAAAAAAA	LLL	
IIIIIIIIII	NNN	NNN	SSSSSSSSSS	TTTTTTTTTTTTTTTT	AAAAAAAAAA	LLL	
III	NNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNNNNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNNNNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNNNNN	NNN	SSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSSSSSSS	TTT	AAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
III	NNN	NNN	SSS	TTT	AAAAA	AAA	LLL
IIIIIIIIII	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLLLLLLLLLLLLLLL
IIIIIIIIII	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLLLLLLLLLLLLLLL
IIIIIIIIII	NNN	NNN	SSSSSSSSSS	TTT	AAA	AAA	LLLLLLLLLLLLLLLL

Require file for INSTALL

Version: 'V04-000'

```

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```

```

***
FACILITY: Install
ABSTRACT: The INSTALL utility makes image files known to the VMS
          operating system
ENVIRONMENT: VAX native, user and kernel mode
AUTHOR: Bob Grosso
CREATION DATE: June 1981
MODIFIED BY:
V03-004 BLS0256      Benn Schreiber      27-Dec-1983
          Clean up pass.
V03-003 RPG0003     Bob Grosso           06-Sep-1983
          Add macro to set IPL.
V03-002 RPG0002     Bob Grosso           21-Jun-1983
          Add lock status block offset macros.
V02-001 RPG0001     Bob Grosso           28-Dec-1981
          Use shared message openin.

```

```
Define VMS block structures
```

```
STRUCTURE
  BBLOCK [O, P, S, E; N] =
    [N]
    (BBLGCK + 0) <P, S, E>;
```

```
Useful macros
```

```
MACRO
```

```
Macro to generate a pointer to a counted string
```

```
CSTRING (STRING) = UPLIT BYTE (%CHARCOUNT (STRING), STRING)%,
```

```
Macro to execute a given sequence of commands and return if any error
```

```
execute (command, errorcode) =
  BEGIN
  LOCAL
    status;
  status = command;
  IF NOT .status                ! if an error is detected
  THEN
    %IF %LENGTH GTR 1          ! If errorcode argument is present
    %THEN SIGNAL (errorcode, %REMAINING, .status);
    %ELSE RETURN .status;      ! Return with error status
    %FI
  END%;
```

```
Macro to execute a given sequence of commands and signal if any error
```

```
report (command) =
  BEGIN
  LOCAL
    status;
  status = command;
  IF NOT .status                ! if an error is detected
  THEN
    SIGNAL (.status);
  END%;
```

```
Set processor IPL
```

Andy Goldstein

```
MACRO
```

```
SET_IPL (LEVEL) =
  BEGIN
  BUILTIN MTPR;
  MTPR (%REF (LEVEL), PR$IPL)
  END
  %;
```

```
LITERAL
  TRUE = 1, ! Boolean TRUE
```

INSPREFIX.REQ;1

FALSE = 0; ! Boolean FALSE

I
V

:
:
:
:
:
:

5

4

```
LITERAL
  IN$C_GBLNAMLEN = 39 + 4;           ! Length of global section name plus suffix "_nnn"

MACRO
  LK$W_STATUS = 0, 0, 16, 0%;
  LK$W_SPARE  = 0, 16, 16, 0%;
  LK$L_LOCKID = 0, 32, 32, 0%;

MACRO
  DYN_DESC_DECL =
    BLOCK[B, BYTE] PRESET ([DSC$B_CLASS] = DSC$K_CLASS_D,
                           [DSC$B_DTYPE] = DSC$K_DTYPE_T);

MACRO
  INIT_DDESC(D) =                    ! Init dynamic string descriptor
    BEGIN
      D[DSC$W_LENGTH] = 0;
      D[DSC$B_CLASS] = DSC$K_CLASS_D;
      D[DSC$B_DTYPE] = DSC$K_DTYPE_T;
      D[DSC$A_POINTER] = 0;
    END%,
  INIT_SDESC(D) =                    ! Init static string descriptor
    BEGIN
      D[DSC$W_LENGTH] = 0;
      D[DSC$B_CLASS] = 0;
      D[DSC$B_DTYPE] = 0;
      D[DSC$A_POINTER] = 0;
    END%;
```

INPSMB
MAP

INSDEF
SQL

INPSMBMSG
LIS

RSXLBDF
SQL

INSCREATE
LIS

INITIO
LIS

INSTAL

INSTALLS
MAP

INSCMD
CLD

INSPREFIX
REQ

INPSMBOLD
CLD

INPSMB
LIS

INSOLDCMD
CLD

INITIOL
LIS

RDRHOME
LIS

INPSMB

INPSMBOLD
LIS

INSCMD
LIS