NAME

makecom, makecom_g0, makecom_g0_s, makecom_g1, makecom_g5 – make a packet for SCSI commands

SYNOPSIS

#include <sys/scsi/scsi.h>

void makecom_g0(struct scsi_pkt **pkt*, **struct scsi_device** **devp*, **int** *flag*, **int** *cmd*, **int** *addr*, **int** *cnt***);**

void makecom_g0_s(struct scsi_pkt **pkt*, **struct scsi_device** **devp*, **int** *flag*, **int** *cmd*, **int** *cnt*, **int** *fixbit***);**

void makecom_g1(struct scsi_pkt **pkt*, **struct scsi_device** **devp*, **int** *flag*, **int** *cmd*, **int** *addr*, **int** *cnt***);**

void makecom_g5(struct scsi_pkt **pkt*, **struct scsi_device** **devp*, **int** *flag*, **int** *cmd*, **int** *addr*, **int** *cnt***);**

INTERFACE LEVEL

Solaris DDI specific (Solaris DDI).

ARGUMENTS

pkt Pointer to an allocated **scsi_pkt**(9S) structure.

devp Pointer to the target's **scsi_device**(9S) structure.

flag Flags for the **pkt_flags** member.

cmd First byte of a group 0 or 1 or 5 SCSI CDB.

addr Pointer to the location of the data.

cnt Number of bytes to transfer.

fixbit Fixed bit in sequential access device commands.

DESCRIPTION

makecom functions initialize a packet with the specified command descriptor block, *devp* and transport flags. The **pkt_address**, **pkt_flags**, and the command descriptor block pointed to by **pkt_cdbp** are initialized using the remaining arguments. Target drivers may use **makecom_g0( )** for Group 0 commands (except for sequential access devices), or **makecom_g0_s( )** for Group 0 commands for sequential access devices, or **makecom_g1( )** for Group 1 commands, or **makecom_g5( )** for Group 5 commands. *fixbit* is used by sequential access devices for accessing fixed block sizes and sets the the tag portion of the SCSI CDB.

CONTEXT

These functions can be called from user or interrupt context.

EXAMPLE

```
if (blkno >= (1<<20)) {
      makecom_g1(pkt, SD_SCSI_DEVP, pflag, SCMD_WRITE_G1,
         (int) blkno, nblk);
} else {
      makecom_g0(pkt, SD_SCSI_DEVP, pflag, SCMD_WRITE,
         (int) blkno, nblk);
}
```

SEE ALSO

scsi_device(9S), **scsi_pkt**(9S)

ANSI Small Computer System Interface-2 (SCSI-2)

Writing Device Drivers