Detachable Media

In addition to the assign entry,

The Resource Assignment Manager contains five special entry points concerned with the attaching of detachable media to the computer. Detachable media of concern to the RAM include tape reels, 4-ply paper, and pre-signed checks.

(these entries are accessible only to the administrative via th... calls in them are channel chang of receiver)

1. Locate. This is a request to locate and move into the general

area of the I/O device the particular detachable medium desired.
This request would be issued a few minutes in advance of the
beginning of expected usage of the I/O device and the detachable
medium.

2. Load. This is a request, apecifying both a detachable medium
    and a device, which asks that the medium be loaded onto the
    device. This call is only appropriate if the device has already
    been assigned to the process.

3. Unload. This is a request to remove the specified medium from
    the specified device.

4. Return. This is a request to move the detachable medium back
    to its normal storage area.

5. Get-media-status. Normally, the four requests described above
    cannot be complied with at the instant of the call. Instead,
    an interuser signal channel identifier is returned with each
    call; a signal on this channel means that final disposition of
    the request has occured. The caller would typically wait for the
    wakeup associated with this signal, and then call get-media-status
    to learn what acuallly happened. At this time he may learn,
    for example, that the operator could not locate the desired
    tape reel, or that the combination to the vault containing the
    presigned checks would not work.

load, unload

locate, return,

getStatus

Hard core ring

assign

RAM

assign

M
M
M

Media
Operation
Order
table

Permission
Table

Media status Table

(entry/assigned media

media name / assignee / status / device loaded on