MFSH_SEGALLOC - Allocate a segment

Purpose

Allocate memory.

Calling Sequence

```
int far pascal MFSH_SEGALLOC(usFlag, cbSeg, pusSel)

unsigned short usFlag;
unsigned long cbSeg;
unsigned short far * pusSel;
```

Where

usFlag is set to 1 if the memory must be below the 1-meg boundary or 0 if its location does not matter.

cbSeg contains the length of the segment.

pusSel is a pointer to a word in which the helper returns the selector of the segment.

Returns

If no error is detected, a zero error code is returned. If an error is detected, one of the following error codes is returned:

- ERROR_NOT_ENOUGH_MEMORY – too much memory is allocated.
- ERROR_PROTECTION_VIOLATION – the supplied address is invalid.
- ERROR_INVALID_PARAMETER – either the supplied flag or length is invalid.

Remarks

This function allocates memory with the following attributes:

- Allocated from the GDT
- Non-swappable

Memory not allocated specifically below the 1-Meg boundary may be given to the FSD by passing the selectors through *pMiniFSD* (see *MFS_INIT* and *FS_INIT*).