misc

		COLLABORATORS		

	TITLE : misc			
ACTION	*NAME*	*DATE*	*SIGNATURE*	
WRITTEN BY		March 28, 2025		

		REVISION HISTORY		

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

misc

1.1 misc.doc

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MR_ALLOCMISCRESOURCE
MR_FREEMISCRESOURCE
```

1.2 misc.resource/MR_ALLOCMISCRESOURCE

```
NAME
    MR_ALLOCMISCRESOURCE - allocate one of the misc resources

SYNOPSIS
    CurrentUser = MR_ALLOCMISCRESOURCE( unitNum, name ), misc.resource
    D0                                  D0       A1      A6

    STRPTR CurrentUser;
    LONG unitNum;
    STRPTR name;

FUNCTION
    This routine allocates one of the miscellaneous resources.
    If the resource is currently allocated, an error is returned.
    If you do get it, your name is associated with the resource
    (so a user can see who has it allocated).

    This routine may not be called from an interrupt routine

DESCRIPTION
    There are certain parts of the hardware that a multitasking-
    friendly program may need to take over.  The serial port
    is a good example.  By grabbing the misc.resource for the
    serial port, the caller would "own" the hardware registers
    associated with that function.  Nobody else, including the
    system serial driver is allowed to interfere.

    The misc.resource must be accessed using assembly language.  The set
    of currently defined units and the function offsets from the resource
    base are listed in the resources/misc.i include file.
```

INPUTS
    unitNum – the number of the resource you want to allocate
            (eg. MR_SERIALBITS).
    name – a mnenonic name that will help the user figure out
          what piece of software is hogging a resource.
          (havoc breaks out if a name of null is passed in...)

RESULTS
    CurrentUser – if the resource is busy, then the name of
          the current user is returned. If the resource is
          free, then null is returned.

BUGS

SEE ALSO
    resources/misc.i
    misc.resource/MR_FREEMISCRESOURCE

1.3   misc.resource/MR_FREEMISCRESOURCE

NAME
    MR_FREEMISCRESOURCE – make a resource available for reallocation

SYNOPSIS
    MR_FREEMISCRESOURCE(unitNum), misc.resource
                      D0   A6
    LONG unitNum;

FUNCTION
    This routine frees one of the resources allocated
    by MR_ALLOCMISCRESOURCE. The resource is made available
    for reuse.

    This routine may not be called from an interrupt routine.

INPUTS
    unitNum – the number of the miscellaneous resource to be freed.

RESULTS
    Frees the appropriate resource.

BUGS

SEE ALSO