

This chapter is a technical reference for auxiliary OS support routines that may be used by a CDM or HAM. These routines are not front-ended by the NWPA so their interfaces are subject to change as the OS changes. Generally, these OS support routines provide APIs that facilitate initialization of memory blocks, movement of memory blocks, and mapping of logical addresses to absolute addresses (and vice-versa) for initializing DMA channels. These routines also include APIs essential to making BIOS calls on EISA buses. The technical reference information is listed in alphabetical order according to routine names. The following is a list of the routines referenced in this chapter:

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AllocateResourceTag

Purpose: Allocates OS resource tags for specific resource types.

Architecture Type: All

Thread Context: Blocking

Requirements: Must be called only from a blocking process level.

Syntax: LONG AllocateResourceTag(

LONG nlmHandle,

void *resourceDescString,
LONG resourceSignature);

Parameters:

<u>Inputs:</u>

Outputs:

nlmHandle The module handle (LoadHandle) passed to the driver when its NLM load

routine was called.

resourceDescString

Pointer to a null-terminated text string describing the resource, with a maximum total length of 16 bytes, including the null terminator. For example:

"NDCB Driver"

resourceSignature

A value used to identify a specific resource type. The signatures the driver must pass (indicates to the OS the kind of resource tag to allocate, consequently do not change the following definitions or the OS will fail the driver's request to allocate a resource tag) to identify each resource tag type requested are defined as follows:

#define AESProcessSignature 0x50534541 #define AllocSignature 0x54524C41 #define CacheBelow16MegMemorySignature 0x36314243 #define EventSignature 0x544E5645 #define DiskDriverSignature 0x4B534444 #define InterruptSignature 0x50544E49 #define IORegistrationSignature 0x53524F49 #define SemiPermMemorySignature 0x454D5053 * #define TimerSignature 0x524D4954

*v3.12 only

None

Version 2.1d (September, 1995)

Return Value: Returns a resource tag identifying specified entry type.

0 if the call failed.

OS Support Routines

Description:

Acquires a tracking identifier required by certain OS calls to track system resources (and recover them from NLM or driver failure). Typically, a driver or NLM must acquire a tag for each different type of resource it wants to allocate. However, under the NWPA driver architecture, the NWPA takes care of resource tags in behalf of CDMs and HAMs. The NWPA tracks allocated resources through each module's **NPAHandle**. The one exception to this rule is registration for event notification. Usuallly, CDMs and HAMs will not need to use this routine unless they intend to use

NPA_Register_For_Event_Notification() to be aware of system events. Then, at load-time initialization, they must use this routine to allocate a resource tag using the EventSignature listed under the *ResourceSignature* parameter above.

CCmpB

Performs a block comparison of two memory areas (BYTES).

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

LONG CCmpB (Syntax: BYTE *address1, BYTE *address2, LONG count)

OS Support Routines

Parameters:

Inputs:

address I Address of the first block of memory to be compared.

address2 Address of the second block of memory to be compared.

count Number of BYTES to be compared.

Outputs: None

-1 if the specified number of blocks match, or **Return Value:**

Index of the first unmatched block pair.

OS Support Routines

Description:

CCmpB() compares two memory blocks BYTE per BYTE. It returns either a - 1 to indicate that the two blocks are identical or the block-index showing the position where the blocks first differ.

CCmpD

Performs a block comparison of two memory areas (LONGS).

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

LONG CCmpD (Syntax: LONG *address1,
LONG *address2, LONG count)

OS Support Routines

Parameters:

Inputs:

address I Address of the first block of memory to be compared.

address2 Address of the second block of memory to be compared.

count Number of LONGS to be compared.

Outputs: None

-1 if the specified number of blocks match, or **Return Value:**

Index of the first unmatched block pair.

OS Support Routines

Description:

CCmpD() compares two memory blocks LONG per LONG. It returns either a -1 to indicate that the two blocks are identical or the block-index showing the position where the blocks first differ.

CFindB

Scans an array of BYTES for a particular value.

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

LONG CFindB(Syntax: BYTE value, BYTE *address, LONG count);

OS Support Routines

Parameters:

Inputs:

value Target value being searched for.

address Pointer to the starting address of the array.

count Maximum number of BYTES to scan.

Outputs: None

Return Value: -1 if the target value is not found, or

Index from *address* where the target value was found in the array.

OS Support Routines

CFindB() scans the array of BYTES pointed at by *address* either until *value* is found or the maximum number of BYTES specified in *count* are scanned. **Description:**

CFindD

Scans an array of LONGS for a particular value.

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

LONG CFindD(Syntax: LONG value, LONG *address, LONG count);

OS Support Routines

Parameters:

Inputs:

value Target value being searched for.

address Pointer to the starting address of the array.

count Maximum number of LONGS to scan.

Outputs: None

Return Value: -1 if the target value is not found, or

Index from *address* where the target value was found in the array.

OS Support Routines

CFindD() scans the array of LONGS pointed at by *address* either until *value* is found or the maximum number of LONGS specified in *count* are scanned. **Description:**

CFindW

Scans an array of WORDS for a particular value.

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

LONG CFindW(Syntax: WORD value, WORD *address, LONG count);

OS Support Routines

Parameters:

Inputs:

value Target value being searched for.

address Pointer to the starting address of the array.

count Maximum number of WORDS to scan.

Outputs: None

Return Value: -1 if the target value is not found, or

Index from *address* where the target value was found in the array.

OS Support Routines

Description: CFindW() scans the array of WORDS pointed at by *address* either until *value* is found or the maximum number of WORDS specified in *count* are scanned.

CMovB

Copies BYTES from one area to another.

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

VOID CMovB(**Syntax:** BYTE *source

BYTE *destination, LONG count);

OS Support Routines

Parameters:

Inputs: source

Pointer to the starting BYTE of the block being copied.

destination Pointer to the starting BYTE where the block is being copied.

count Number of BYTES to copy.

Outputs: None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide Return Value: None.

Description: CMovB() copies data from the source area to the destination area.

CMovD

Copies LONGS from one area to another.

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

VOID CMovD(Syntax: LONG *source

LONG *destination, LONG count);

OS Support Routines

Parameters:

Inputs: source

Pointer to the starting LONG of the block being copied.

destination Pointer to the starting LONG where the block is being copied.

count Number of LONGS to copy.

Outputs: None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide Return Value: None.

Description: CMovD() copies data from the source area to the destination area.

\mathbf{CMovW}

Copies WORDS from one area to another.

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

VOID CMovW(Syntax:

WORD *source WORD *destination,

LONG count);

OS Support Routines

Parameters:

Inputs: source

Pointer to the starting WORD of the block being copied.

destination Pointer to the starting WORD where the block is being copied.

count Number of WORDS to move.

Outputs: None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide Return Value: None.

Description: CMovW() copies data from the source area to the destination area.

CPSemaphore

Purpose: Locks real mode workspace access. **Architecture Type:** Intel

Thread Context: Blocking

Requirements: None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide Syntax: VOID CPSemaphore(LONG workSpaceSemaphore);

OS Support Routines

Parameters:

<u>Inputs:</u> workSpaceSemaphore Handle to the workspace semaphore.

> Outputs: None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide Return Value: None.

OS Support Routines

Description: CPSemaphore() is used to lock the real mode workspacer when making a

BIOS call. This routine is called with interrupts disabled (NPA_Interrupt_Control()), and interrupts remain disabled.

Warning: Do not use this call to handle critical sections local to the driver.

CSetB

Purpose: Initializes an area of memory to a value.

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Architecture Type:** All

Thread Context: Non-Blocking

NetWare Peripheral Architecture Functional Specification and Developer's Guide Requirements: None.

OS Support Routines

Syntax: void CSetB(

BYTE value void *address, LONG count);

Parameters:

Inputs:

Value to which the memory area is being set. value

addressPointer to the starting address of the memory area.

Number of BYTES in the memory area to be initialized to value. count

Outputs: None. Return Value: None.

CSetB() initializes the number of BYTES specified in *count* of the memory **Description:**

area pointed at by Address to the value specified in value.

CSetD

Purpose: Initializes an area of memory to a value.

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Architecture Type:** All

Thread Context: Non-Blocking

Requirements: The storage locations in the memory area must be on LONG boundaries.

OS Support Routines

Syntax: void CSetD(

LONG value
void *address,
LONG count);

Parameters:

Inputs:

Value to which the memory area is being set. value

addressPointer to the starting address of the memory area.

Number of LONGS in the memory area to be initialized to value. count

Outputs: None. Return Value: None.

Description: CSetD() initializes the number of LONGS specified in *count* of the memory

area pointed at by address to the value specified in value.

CSetW

Purpose: Initializes an area of memory to a value.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Architecture Type: All

Thread Context: Non-Blocking

Requirements: The storage locations in the memory area must be on LONG boundaries.

OS Support Routines

Syntax: void CSetW(

WORD value void *address, LONG count);

Parameters:

Inputs:

value Value to which the memory area is being set.

address Pointer to the starting address of the memory area.

count Number of WORDS in the memory area to be initialized to value.

Outputs: None.

Return Value: None.

CSetW() initializes the number of WORDS specified in count of the memory **Description:**

area pointed at by address to the value specified in value.

CVSemaphore

Purpose: Unlocks real mode workspace access.

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Architecture Type:** Intel

Thread Context: Blocking

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Requirements:** None.

 $\mathbf{Syntax:} \quad \texttt{VOID} \ \ \texttt{CVSemaphore} \ (\texttt{LONG} \ \ \textit{workSpaceSemaphore}) \ ;$

Parameters:

Inputs:

workSpaceSemaphore Handle to the workspace semaphore.

Outputs: None.

Return Value: None.

CVSemaphore() is used to clear the semaphore that was set with **Description:**

CPSemaphore(). Normally, CVSemaphore() is used when the driver has finished making an EISA BIOS call so that other processes can be allowed to

use the workspace. **CVSemaphore()** returns with interuupts enabled.

Disable And Ret Flags

Purpose: Saves the current state of the hardware's interrupt mask and disables all

interrupts.

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Architecture Type:** All

Thread Context: Non-Blocking

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Requirements:** None

 $\textbf{Syntax:} \quad \texttt{LONG DisableAndRetFlags(void);} \\$

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Parameters:** None.

Return Value: Value of the saved interrupt mask.

Description: DisableAndRetFlags() saves the current state of the hardware's interrupt mask and then disables all interrupts. It returns the value of the saved interrupt mask.

Do Real Mode Interrupt

Purpose: Does real mode interrupt during initialization.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Architecture Type: Intel

Thread Context: Blocking

NetWare Peripheral Architecture Functional Specification and Developer's Guide	
Requirements:	The input parameter structure (InputParamStruct) must already be initialized.

OS Support Routines

Syntax: LONG DoRealModeInterrupt(

struct InputParamStruct *inputParameters,
struct *OutputParamStruct *outputParameters);

Parameters:

Inputs:

inputParameters

```
Pointer to an initialized input parameter structure as defined below: struct InputParamStruct
```

```
WORD IAXRegister;
WORD IBXRegister;
WORD ICXRegister;
WORD IDXRegister;
WORD IBPREgister;
WORD ISIRegister;
WORD IDIRegister;
WORD IDSRegister;
WORD IDSRegister;
WORD IESRegister;
WORD IIntNumber;
```

<u>Outputs:</u>

output Parameters

Pointer to a filled in output parameter structure as defined below:

```
struct OutputParamStruct
{
   WORD OAXRegister;
   WORD OBXRegister;
   WORD OCXRegister;
   WORD ODXRegister;
   WORD OBPRegister;
   WORD OSIRegister;
   WORD ODIRegister;
   WORD ODSRegister;
   WORD OESRegister;
   WORD OFFIAGS;
};
```

OS Support Routines

Return Value:

0 if successful. The zero flag is set if the interrupt vector is called.
1 if unsuccessful. The zero flag is cleared if the interrupt vector is no longer available because DOS has been removed.

Description:

DoRealModeInterrupt() is used to perform real mode interrupts, such as BIOS and DOS interrupts. This routine can only be called at process time, and it may enable interrupts and put the calling process to sleep. EISA boards will need to use **DoRealModeInterrupt()** to perform the INT 15h BIOS call that returns the board configuration.

Note: For descriptions of the input/output parameter structures and information about making real mode BIOS calls on EISA boards, refer to the EISA specification.

Do Real Mode Interrupt 32

Purpose: Does 32 bit real mode interrupt during initialization.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Architecture Type: Intel

Thread Context: Blocking

Requirements: The input parameter structure (InputParamStruct32) must already be

initialized.

OS Support Routines

Syntax: LONG DoRealModeInterrupt32(

struct InputParamStruct32 *inputParameters,
struct *OutputParamStruct32 *outputParameters);

Parameters:

Inputs:

inputParameters

```
Pointer to an initialized input parameter structure as defined below:
struct InputParamStruct32
{
  LONG IEAXRegister;
  LONG IEBXRegister;
```

```
LONG IEBXRegister;
LONG IECXRegister;
LONG IECXRegister;
LONG IEDXRegister;
LONG IEBPRegister;
LONG IESIRegister;
WORD IDSRegister;
WORD IESRegister;
WORD IEFSRegister;
WORD IEFSRegister;
WORD IEGSRegister
BYTE IIntNumber;
BYTE IDummy32[3];
```

Outputs:

};

outputParameters

Pointer to a filled in output parameter structure as defined below:

```
struct OutputParamStruct32
{
  LONG OEAXRegister;
  LONG OEAXRegister;
  LONG OECXRegister;
  LONG OEDXRegister;
  LONG OEDXRegister;
  LONG OEBPRegister;
  LONG OESIRegister;
  LONG OEDIRegister;
  WORD ODSRegister;
  WORD OFSRegister;
  WORD OFSRegister;
  WORD OGSRegister;
  LONG OFlags32;
};
```

OS Support Routines

Return Value:

0 if successful. The zero flag is set if the interrupt vector is called.
1 if unsuccessful. The zero flag is cleared if the interrupt vector is no longer available because DOS has been removed.

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Description:** See Purpose.

EnterDebugger

Purpose: Switches to the Novell internal debugger.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Architecture Type: All

Thread Context: Non-Blocking

Requirements: This is for code development and debug purposes only. No EnterDebugger()

calls are allowed in shipping code.

Syntax: VOID EnterDebugger(void);

Parameters:

Inputs: None

Outputs: None

Return Value: None.

Description: EnterDebugger() stops execution of the NetWare OS and enters the internal

assembly language-oriented debugger.

GetCurrentTime

Purpose: Returns the current time in clock ticks since the server was loaded.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Architecture Type: Intel

Thread Context: Non-Blocking

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Requirements:** None

 $\textbf{Syntax:} \quad \texttt{LONG GetCurrentTime(void);} \\$

Parameters:

Inputs: None.

Outputs: None.

OS Support Routines

Return Value: The number of clock ticks (1/18th second) since the server was last loaded and

began execution.

Description:

This call is useful to determine the current relative time in order to determine the elapsed time between events. The current time value less the value returned at the beginning of an event is the elapsed time since the event occurred in 1/18th second clock ticks. It requires more than 2,761 days (over 7.5 years) of continuous server operation before this timer will roll over.

Get High Resolution Timer

Returns the current time in 100 microsecond increments.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Architecture Type: Intel

Thread Context: Non-Blocking

Requirements: Do not use this call within an interrupt service routine.

 $\textbf{Syntax:} \quad \texttt{LONG GetHighResolutionTimer(void);} \\$

Parameters:

Inputs: None

Outputs: None

Return Value: Time in approximately 100 microseconds per count.

Description: This timer combines the Current Time with the timer register to create a return value that has a resolution of approximately 100 microseconds per count.

Note: This call will enable interrupts. Do not make this call in a code path that requires interrupts to be disabled. Do not make this call within an interrupt service routine.

Get Read After Write Verify Status

Purpose: Returns global Read-After-Write (RAW) verify status.

Architecture Type: All

Thread Context: Non-Blocking

Requirements: None.

 $NetWare\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer's\ Guide\\ \textbf{Syntax:} \qquad \texttt{LONG}\ \texttt{GetReadAfterWriteVerifyStatus}\ \ (\texttt{void})\ ;$

Parameters: None.

Return Value: 0 if RAW verification is off.

1 if RAW verification is on.

OS Support Routines

Description: GetReadAfterWriteVerifyStatus() is used to determine the current RAW

verification status (on or off). This is an information call only. The driver

cannot change the RAW status.

Get Real Mode Work Space

Purpose: Used in conjunction with DoRealModeInterrupt() to allow the HAM access to

memory in real mode.

Architecture Type: Intel

Thread Context: Non-Blocking

Requirements: None.

Syntax: void GetRealModeWorkSpace(
 LONG *workSpaceSemaphore,
 LONG *protectedModeAddress,
 WORD *realModeSegment,
 WORD *realModeOffset,
 LONG *workSpaceSize);

Parameters:

Inputs:

workSpaceSemaphore Address of a local variable of type LONG.

protectedModeAddress Address of a local variable of type LONG.

realModeSegment Address of a local variable of type WORD.

realModeOffset Address of a local variable of type WORD.

workSpaceSize Address of a local variable of type LONG.

Outputs:

workSpaceSemaphore Receives a handle to the OS semaphore structure.

protectedModeAddress Receives a 32-bit logical address of the workspace block from the OS.

realModeSegment Receives the real mode segment of the workspace from the OS.

realModeOffset Receives the real mode offset into the workspace segment from the OS.

workSpaceSize Receives the size of the workspace in BYTES from the OS.

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Return Value:** None.

OS Support Routines

Description: GetRealModeWorkSpace() is used to provide a HAM with a real mode

workspace. Used in conjunction with **DoRealModeInterrupt()**, the HAM has access to memory in real mode. Be aware that the HAM must provide the storage locations for the outputs it receives during this call.

Note: Since NetWare v4.x runs in protected mode, it does not allow direct access to BIOS information. **DoRealModeInterrupt()** allows the HAM to access the BIOS and get data from it. **DoRealModeInterrupt()** turns on the system interrupts and executes in a critical section; therefore, calls to **CPSemaphore()** and **CVSemaphore()** are necessary to keep other processes out of the workspace.

Get Sectors Per Cache Buffer

Purpose: Returns the number of sectors in server cache buffers.

Architecture Type: All

 $Net Ware\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer's\ Guide$

Thread Context: Non-Blocking

Requirements: None.

 $NetWare\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer's\ Guide\\ \textbf{Syntax:} \qquad \texttt{LONG}\ \ \texttt{GetSectorsPerCacheBuffer}\ (\texttt{void})\ ;$

Parameters: None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Return Value: An integer (8, 16, or 32) indicating the number of sectors in a system cache

buffer.

OS Support Routines

Description: GetSectorsPerCacheBuffer() returns to the caller the number of sectors in a

server cache buffer. This value may allow drivers that allocate buffers in SRAM to allocate the optimal buffer size, thus providing better performance.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Get Super High Resolution Timer

Purpose: Returns the curent time in 838 nanosecond increments.

Architecture Type: Intel

 $Net Ware\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer\ 's\ Guide$

Thread Context: Non-Blocking

Requirements: None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Syntax: LONG GetSuperHighResolutionTimer (void);

Parameters:

Inputs: None

Outputs: None

NetWare Peripheral Architecture Functional Specification and Developer's Guide

Return Value: Time in approximately 838 nanoseconds per count.

OS Support Routines

Description:

This is a high resolution timer that combines the lowest WORD of Current Time with the timer register to give a timer resolution of approximately 838 nanoseconds per count. This call does not allow for possible tick count rollover, so the programmer must take into consideration a "negative" time count. This rollover will occur approximately every hour.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

InvertLong

Purpose: Reverses the byte order of a LONG.

Architecture Type: All

 $Net Ware\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer's\ Guide$

Thread Context: Non-Blocking

Requirements: None.

 $NetWare\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer's\ Guide\\ \textbf{Syntax:} \quad \texttt{LONG}\ \texttt{InvertLong}\ (\texttt{LONG}\ \texttt{longValue})\ ;$

OS Support Routines

Parameters:

<u>Inputs:</u> longValue The LONG that is to be inverted.

Outputs: None. NetWare Peripheral Architecture Functional Specification and Developer's Guide Return Value: Inverted LONG. See description.

OS Support Routines

InvertLong() takes the input LONG value and reverses (inverts) the byte order **Description:**

as follows:

If the input *longValue* is *WWXXYYZZ*. the Return value will be *ZZYYXXWW*.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

${\bf Map Data Offset To Absolute Address}$

Purpose: Converts a logical memory address to an absolute address.

Architecture Type: All

 $Net Ware\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer\ 's\ Guide$

Thread Context: Non-Blocking

Requirements: None.

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 $\mathbf{Syntax:} \quad \texttt{LONG} \;\; \texttt{MapDataOffsetToAbsoluteAddress(LONG} \;\; \textit{dataOffset)};$

OS Support Routines

Parameters:

<u>Inputs:</u> dataOffset Logical NetWare 32-bit memory address.

Outputs: None. NetWare Peripheral Architecture Functional Specification and Developer's Guide Return Value: Real 32-bit absolute hardware memory address.

OS Support Routines

Description: MapDataOffsetToAbsoluteAddress() converts a logical NetWare address to

an absolute hardware memory address. The absolute addresss can be used to

initialize DMA channels and to validate hardware options.

NetWare Peripheral Architecture Functional Specification and Developer's Guide

OutputToScreen

Purpose: This routine outputs a message to a selected screen.

Architecture Type: All

 $Net Ware\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer's\ Guide$

Thread Context: Non-Blocking

	OS Support Routines
Requirements:	Syntax:

NetWare Peripheral Architecture Functional Specification and Developer's Guide

VOID OutputToScreen(
 LONG screenHandle,
 BYTE *controlString,
 args...);

Parameters: <u>Inputs:</u> screenHandle

controlString

args

Outputs:

OS Support Routines
Return Value:

Handle of the screen where the message is to be displayed.

Pointer to a null-terminated, ASCII control string similar to that used with the C sprintf() function, including embedded returns, line feeds, tabs, bells, and % specifiers (except floating point specifiers).

Arguments as indicated by *controlString*.

None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide	
None	Description:

See Purpose.

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SetFlags

Purpose: Sets the interrupt flags to the specified value.

Architecture Type: All

 $Net Ware\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer\ 's\ Guide$

Thread Context: Non-Blocking

Requirements: None.

 $NetWare\ Peripheral\ Architecture\ Functional\ Specification\ and\ Developer's\ Guide\\ \textbf{Syntax:} \quad \texttt{VOID}\ \ \texttt{SetFlags}\ (\texttt{LONG}\ \ flags)\ ;$

Parameters:

Inputs:

flags Value of the hardware's interrupt mask upon completion of this routine.

Outputs: None.

NetWare Peripheral Architecture Functional Specification and Developer's Guide **Return Value:** None.

OS Support Routines

Description: SetFlags() sets the interrupt mask to the value specified in flags. Flags

contains a value previously obtained from a call to a critical-code function.