

Event Objects

Introduction

An **Event** object contains information about an asynchronous event. Typically, events are generated by the controller, but in some special cases it is possible to generate events from the host computer.

The Event object is retrieved through the EventMgr, via the Notify object. The Event object contains data about the type of event, its source, and other information. The user Event fields can be configured to collect data at the time when the event occurs in the controller.

| [Error Messages](#) |

Methods

Configuration and Information Methods

mpiEventStatusGet	Get Event status
mpiEventStatusSet	Set Event status
mpiEventTypeName	Get Event type name

Data Types

[MPIEventMessage](#)
[MEIEventNotifyData](#)
[MPIEventStatus](#)
[MEIEventStatusInfo](#)
[MPIEventType](#) / [MEIEventType](#)

Constants

[MPIEventStatusINFO_COUNT_MAX](#) defines the size of the MPIEventStatus.info[] array.

mpiEventStatusGet

Declaration

```
long mpiEventStatusGet(MPIEvent event,  
                      MPIEventStatus *status)
```

Required Header: stdmpi.h

Description

mpiEventStatusGet gets the status of an Event object (**event**) and writes it into the structure pointed to by **status**. Event status includes the event type, type-specific codes and the event source.

Return Values

[MPIMessageOK](#)

Sample Code

```
/* Prototype for logging function */  
void logToFile(const char*);  
  
MPIEventStatus eventStatus;  
long returnValue;  
  
/* Wait for motion event */  
returnValue =  
    mpiNotifyEventWait(notify,  
                      &eventStatus,  
                      MPIWaitFOREVER);  
msgCHECK(returnValue);  
  
/* Log event */  
logToFile(mpiEventTypeName(eventStatus->type));
```

See Also

[mpiEventStatusSet](#) | [meiEventStatusInfo](#) | [MPIEventType](#)

[EventLog.c](#)

mpiEventStatusSet

Declaration

```
long mpiEventStatusSet(MPIEvent event,  
                      MPIEventStatus *status)
```

Required Header: stdmpi.h

Description

mpiEventStatusSet sets (writes) the status of **event** using data from the structure pointed to by **status**. Event status includes the event type, type-specific codes and the event source.

Return Values

[MPIMessageOK](#)

Sample Code

```
/* Prototype for logging function */  
void logToFile(const char*);  
  
MPIEventStatus eventStatus;  
long returnValue;  
  
/* Wait for motion event */  
returnValue =  
    mpiNotifyEventWait(notify,  
                      &eventStatus,  
                      MPIWaitFOREVER);  
msgCHECK(returnValue);  
  
/* Log event */  
logToFile(mpiEventTypeName(eventStatus->type));
```

See Also

[mpiEventStatusGet](#) | [mpiEventStatusInfo](#) | [MPIEventType](#)

[EventLog.c](#)

mpiEventTypeName

Declaration

```
const char* mpiEventTypeName(MPIEventType eventType);
```

Required Header: stdmpi.h

Change History: Added in the 03.03.00

Description

mpiEventTypeName returns a text description for MPI events. `mpiEventTypeName` should be called when a text description of the event type is needed.

Return Values

"Unknown Event"	if <i>EventTypeName</i> cannot identify eventType .
pointer to Event Type Name	if <i>EventTypeName</i> can identify eventType .

Sample Code

```
/* Prototype for logging function */
void logToFile(const char*);

MPIEventStatus    eventStatus;
long              returnValue;

/* Wait for motion event */
returnValue =
    mpiNotifyEventWait(notify,
                       &eventStatus,
                       MPIWaitFOREVER);
msgCHECK(returnValue);

/* Log event */
logToFile(mpiEventTypeName(eventStatus->type));
```

See Also

[MPIEventType](#)

[EventLog.c](#)

MPIEventMessage

Definition

```
typedef enum {  
    MPIEventMessageEVENT_INVALID,  
} MPIEventMessage;
```

Description

MPIEventMessage is an enumeration of Event error messages that can be returned by the MPI library.

MPIEventMessageEVENT_INVALID

The event type is not valid. This message code is returned by [mpiEventStatusSet\(...\)](#) if the event type is not a member of the [MPIEventType](#) or [MEIEventType](#) enumerations.

See Also

MEIEventNotifyData

Definition

```
typedef struct MEIEventNotifyData {  
    void    *address[MEIXmpSignalUserData];  
} MEIEventNotifyData;
```

Description

The **address** of an **MEIEventNotifyData** structure is passed as the third (void *external) argument to `mpiObjectEventNotifyGet/Set(...)`†.

The address array contains host-based XMP addresses, the contents of which are returned in `MEIEventStatusInfo{}.data`.

† **Object** represents an MPI object like `Axis` or `Motion`. Therefore, `mpiObjectEventNotifyGet/Set(...)` represents functions like `mpiAxisEventNotifyGet(...)` and `mpiAxisEventNotifySet(...)`.

See Also

[MEIEventStatusInfo](#)

MPIEventStatus

Definition

```
typedef struct MPIEventStatus {
    MPIEventType    type;
    void           *source;
    long          info[MPIEventStatusINFO\_COUNT\_MAX];
} MPIEventStatus;
```

Description

MPIEventStatus holds information about a particular event that was generated by the XMP.

type	identifies the type of event that was generated.
*source	identifies what the source of the event was. source will either be a handle to an MPI object or a host pointer. Use <code>mpiObjectModuleId()</code> to identify what source points to.
info	Contains information on what generated the event and the conditions under which it was generated. <code>MEIEventStatusInfo</code> simplifies decoding this array. Sample code is shown on the MEIEventStatusInfo page.

See Also

[mpiObjectModuleId](#) | [MPIEventType](#) | [MPIEventMgr](#) | [MPINotify](#) | [MEIEventStatusInfo](#) | [MPIEventStatusINFO_COUNT_MAX](#)

MEIEventStatusInfo

Definition

```

typedef struct MEIEventStatusInfo {
    union {
        MPIHandle  handle;  /* generic */
        MPIAxis    axis;    /* MEIEventTypeAXIS_FIRST ...
                               MEIEventTypeAXIS_LAST - 1 */
        long       node;    /* MEIEventTypeCAN_FIRST...
                               MEIEventTypeCAN_LAST - 1 */
        long       number;  /* MPIEventTypeMOTION
                               MPIEventTypeMOTOR_FIRST...
                               MPIEventTypeMOTOR_LAST - 1
                               MEIEventTypeMOTOR_FIRST ...
                               MEIEventTypeMOTOR_LAST - 1 */
        long       value;   /* MPIEventTypeEXTERNAL */
    } type;

    MEIXmpSignalID signalID;

    /* Contents of addresses specified by MEIEventNotifyData{ } */
    union {
        long sampleCounter;
        struct {
            long sampleCounter;
        } motion;
        struct {
            long sampleCounter;
            long positionError;
            MEIInt64 actualPosition;
            MEIInt64 commandPosition;
        } axis;
        struct {
            /* Data associated with the CAN event. */
            long data[4];
        } can;
        struct {
            long sampleCounter;
            long dedicatedIn;
            MEIInt64 encoderPosition;
        } motor;
        long word[MEIXmpSignalUserData];
    } data;
} MEIEventStatusInfo;

```

Change History: Modified in the 03.04.00.

Description

MEIEventStatusInfo is an information structure that tells the XMP what the data in MPIEventStatus.info holds. The information that is returned by this structure is only valid if the default configurations for the recorder are used.

type	A union that specifies the object handle, motion number, or external ID value that generated the event
type.handle	A generic object handle. Used by MPIRecorder and MPIMotor events
type.axis	An axis object handle. Used by MPIAxis events
type.node	The CAN Node number of the MEICan object that generated the event.
type.number	The motion number of the MPIMotion object that generated the event
type.value	An ID value used to identify what external source or MPISequence event was generated
signalID	Specifies what type of object actually generated the event
data	A union that contains extra data about the event that was generated
data.sampleCounter	The value of the sampleCounter when the event was generated
data.motion	A union that contains extra data about the motion event that was generated
data.motion.sampleCounter	The value of the sampleCounter when the motion event was generated
data.axis	A union that contains extra data about the axis event that was generated
data.axis.sampleCounter	The value of the sampleCounter when the axis.event was generated
data.axis.positionError	The value of the axis' position error when the axis event was generated. Data is represented as a float.
data.axis.actualPosition	The value of the axis' actual position when the event was generated
data.axis.commandPosition	The value of the axis' command position when the axis event was generated

data.can.data	A union that contains extra data about the CAN event that was generated.
data.motor	A union that contains extra data about the motor event that was generated
data.motor.sampleCounter	The value of the sampleCounter when the motor event was generated
data.motor.dedicatedIn	The value of the motor's dedicatedIn word when the motor event was generated
data.motor.encoderPosition	The value of the motor's encoder position when the event was generated
data.word[]	The extra data about the event that was generated formatted as an array of long values

Sample Code

```

MPINotify      notify
MPIEventStatus eventStatus;

. . .

/* Wait for event */
returnValue =
    mpiNotifyEventWait(notify,
                       &eventStatus,
                       MPIWaitFOREVER);

msgCHECK(returnValue);

if (eventStatus.type == MPIEventTypeMOTION_DONE) {
    MEIEventStatusInfo *info;

    info = (MEIEventStatusInfo *)eventStatus.info;

    . . .
}

```

See Also

[MPIEventStatus](#) | [MPIAxis](#)

MPIEventType / MEIEventType

Definition: MPIEventType

```
typedef enum {
    MPIEventTypeINVALID,

    MPIEventTypeNONE,                /* 0 */

    /* Motor events */
    MPIEventTypeAMP_FAULT,           /* 1 */
    MPIEventTypeHOME,                /* 2 */
    MPIEventTypeLIMIT_ERROR,         /* 3 */
    MPIEventTypeLIMIT_HW_NEG,        /* 4 */
    MPIEventTypeLIMIT_HW_POS,        /* 5 */
    MPIEventTypeLIMIT_SW_NEG,        /* 6 */
    MPIEventTypeLIMIT_SW_POS,        /* 7 */
    MPIEventTypeENCODER_FAULT,        /* 8 */
    MPIEventTypeAMP_WARNING,          /* 9 */

    /* Motion events */
    MPIEventTypeMOTION_DONE,          /* 10 */
    MPIEventTypeMOTION_AT_VELOCITY,   /* 11 */

    /* Recorder events */
    MPIEventTypeRECORDER_HIGH,        /* 12 */
    MPIEventTypeRECORDER_FULL,        /* 13 */
    MPIEventTypeRECORDER_DONE,        /* 14 */

    /* External events */
    MPIEventTypeEXTERNAL,             /* 15 */
} MPIEventType;
```

Description

MPIEventType is used by the **MPIEventMask** macros to help generate event masks.

MPIEventTypeNONE	This event type indicates no event was generated.
MPIEventTypeAMP_FAULT	This event type indicates an Amp Fault event was generated from a Motor object.
MPIEventTypeHOME	This event type indicates a Home event was generated from a Motor object.
MPIEventTypeLIMIT_ERROR	This event type indicates a position Error Limit was generated from a Motor object.
MPIEventTypeLIMIT_HW_NEG	This event type indicates a Negative Hardware Limit event was generated from a Motor object.
MPIEventTypeLIMIT_HW_POS	This event type indicates a Positive Hardware Limit event was generated from a Motor object.
MPIEventTypeLIMIT_SW_NEG	This event type indicates a Negative Software Limit event was generated from a Motor object.
MPIEventTypeLIMIT_SW_POS	This event type indicates a Positive Software Limit event was generated from a Motor object.
MPIEventTypeENCODER_FAULT	This event type indicates an Encoder Fault event was generated from a Motor object. See Use of MPIEventTypeENCODER_FAULT .
MPIEventTypeAMP_WARNING	This event type indicates an Amp Warning event was generated from a Motor object.
MPIEventTypeMOTION_DONE	This event type indicates a Motion Done event was generated from a Motion Supervisor object.
MPIEventTypeMOTION_AT_VELOCITY	This event type indicates an At Velocity event was generated from a Motion Supervisor object.
MPIEventTypeRECORDER_HIGH	This event type indicates that the controller's recorded data exceeded the buffer's high limit.
MPIEventTypeRECORDER_FULL	This event type indicates that the controller's recorded data has filled the buffer.
MPIEventTypeRECORDER_DONE	This event type indicates that the controller has recorded the number of requested data records.
MPIEventTypeEXTERNAL	This event type indicates an External event was generated from an external source.

Definition: MEIEventType

```
typedef enum {  
    /* Controller events */  
    MEIEventTypeCONTROL_HOST_PROCESS_TIME_EXCEEDED,  
    MEIEventTypeCONTROL_FAN,  
  
    /* Motor events */  
    MEIEventTypeLIMIT_USER0,  
    MEIEventTypeLIMIT_USER1,  
    MEIEventTypeLIMIT_USER2,  
    MEIEventTypeLIMIT_USER3,  
    MEIEventTypeLIMIT_USER4,  
    MEIEventTypeLIMIT_USER5,  
    MEIEventTypeLIMIT_USER6,  
    MEIEventTypeLIMIT_USER7,  
    MEIEventTypeLIMIT_USER8,  
    MEIEventTypeLIMIT_USER9,  
    MEIEventTypeLIMIT_USER10,  
    MEIEventTypeLIMIT_USER11,  
    MEIEventTypeLIMIT_USER12,  
    MEIEventTypeLIMIT_USER13,  
    MEIEventTypeLIMIT_USER14,  
    MEIEventTypeLIMIT_USER15,  
  
    /* Motion events */  
    MEIEventTypeMOTION_OUT_OF_FRAMES,  
  
    /* Axis events */  
    MEIEventTypeIN_POSITION_COARSE,  
    MEIEventTypeIN_POSITION_FINE,  
    MEIEventTypeSETTLED  
    MEIEventTypeAT_TARGET,  
    MEIEventTypeFRAME,  
  
    /* SynqNet events */  
    MEIEventTypeSYNQNET_DEAD,  
    MEIEventTypeSYNQNET_RX_FAILURE,  
    MEIEventTypeSYNQNET_TX_FAILURE,  
    MEIEventTypeSYNQNET_NODE_FAILURE,  
    MEIEventTypeSYNQNET_RECOVERY,  
  
    /* SqNode events */  
    MEIEventTypeSQNODE_IO_ABORT,  
    MEIEventTypeSQNODE_NODE_DISABLE,  
    MEIEventTypeSQNODE_NODE_ALARM,  
    MEIEventTypeSQNODE_ANALOG_POWER_FAULT,  
    MEIEventTypeSQNODE_USER_FAULT,  
    MEIEventTypeSQNODE_NODE_FAILURE,  
    MEIEventTypeSQNODE_IO_FAULT,  
  
    /* CAN events */  
    MEIEventTypeCAN_BUS_STATE,
```



```

MEIEventTypeCAN_RECEIVE_OVERRUN,
MEIEventTypeCAN_EMERGENCY,
MEIEventTypeCAN_NODE_BOOT,
MEIEventTypeCAN_HEALTH,
MEIEventTypeCAN_DIGITAL_INPUT,
MEIEventTypeCAN_ANALOG_INPUT,
} MEIEventType;

```

Change History: Modified in the 03.03.00.

Description

MEIEventType is used by the MPIEventMask macros to help generate event masks.

MEIEventTypeCONTROL_HOST_PROCESS_TIME_EXCEEDED	This is an event that occurs if the xmp. SystemData.SyncInterrupt.ProcessFlag is set when SynqNet data is transmitted at the end of the firmware's foreground cycle. If the user is using the SynqInterrupt feature and sets the ProcessFlag at the beginning of the foreground cycle, the firmware checks to see if the user cleared the ProcessFlag by the time SynqNet data is transmitted. If the ProcessFlag has not been cleared, the event occurs.
MEIEventTypeCONTROL_FAN	This is an event that can occur when the on-board fan controller detects an error (overheating, fan failure, etc...).
	NOTE: This is for the ZMP only and will not occur on an XMP.
MEIEventTypeLIMIT_USER0	This event type indicates a User Limit event was generated from a Motor object. User Limit number 0.
MEIEventTypeLIMIT_USER1	This event type indicates a User Limit event was generated from a Motor object. User Limit number 1.
MEIEventTypeLIMIT_USER2	This event type indicates a User Limit event was generated from a Motor object. User Limit number 2.
MEIEventTypeLIMIT_USER3	This event type indicates a User Limit event was generated from a Motor object. User Limit number 3.

MEIEventTypeLIMIT_USER4	This event type indicates a User Limit event was generated from a Motor object. User Limit number 4.
MEIEventTypeLIMIT_USER5	This event type indicates a User Limit event was generated from a Motor object. User Limit number 5.
MEIEventTypeLIMIT_USER6	This event type indicates a User Limit event was generated from a Motor object. User Limit number 6.
MEIEventTypeLIMIT_USER7	This event type indicates a User Limit event was generated from a Motor object. User Limit number 7.
MEIEventTypeLIMIT_USER8	This event type indicates a User Limit event was generated from a Motor object. User Limit number 8.
MEIEventTypeLIMIT_USER9	This event type indicates a User Limit event was generated from a Motor object. User Limit number 9.
MEIEventTypeLIMIT_USER10	This event type indicates a User Limit event was generated from a Motor object. User Limit number 10.
MEIEventTypeLIMIT_USER11	This event type indicates a User Limit event was generated from a Motor object. User Limit number 11.
MEIEventTypeLIMIT_USER12	This event type indicates a User Limit event was generated from a Motor object. User Limit number 12.
MEIEventTypeLIMIT_USER13	This event type indicates a User Limit event was generated from a Motor object. User Limit number 13.
MEIEventTypeLIMIT_USER14	This event type indicates a User Limit event was generated from a Motor object. User Limit number 14.
MEIEventTypeLIMIT_USER15	This event type indicates a User Limit event was generated from a Motor object. User Limit number 15.
MEIEventTypeMOTION_OUT_OF_FRAMES	This event type indicates that the number of frames left to be executed in the controller has reached the buffer empty limit / emptyCount (see MPIMotionPoint). Therefore the controller will perform the specified eStop action.

MEIEventTypeIN_POSITION_COARSE	This event type indicates an In Coarse Position event was generated from an Axis object. See Axis Tolerances and Related Events and MPIAxisInPosition .
MEIEventTypeIN_POSITION_FINE	This event type indicates that an In Fine Position event was generated from an Axis object. See Axis Tolerances and Related Events and MPIAxisInPosition .
MEIEventTypeSETTLED	Equivalent to MEIEventTypeIN_POSITION_FINE .
MEIEventTypeAT_TARGET	Reserved Frame Event.
MEIEventTypeFRAME	This event type is currently not supported and is reserved for future use.
MEIEventTypeSYNQNET_DEAD	The SynqNet network was shutdown due to a communication failure. This status/event occurs when the controller fails to read/write data to the SynqNet network interface from an RX_FAILURE or a TX_FAILURE. To recover from a DEAD event, the network must be shutdown and reinitialized. SYNQNET_DEAD is latched by the controller, use meiSynqNetEventReset(...) to clear the status/event bit.
MEIEventTypeSYNQNET_RX_FAILURE	SynqNet network data receive failure. Generated when the controller fails to receive the packet data buffer (Rincon DMA to internal memory) in two successive controller samples. A SYNQNET_RX_FAILURE is most likely caused by an incorrect RX_COPY_TIMER value (internal) or a timing problem. To recover from an RX_FAILURE event, the network must be shutdown and reinitialized. SYNQNET_RX_FAILURE is latched by the controller, use meiSynqNetEventReset(...) to clear the status/event bit.
MEIEventTypeSYNQNET_TX_FAILURE	SynqNet network data transmission failure. Generated when the controller fails to transmit the packet data buffer in two successive controller samples. This occurs when the maximum foreground time exceeds the Tx time percentage of the controller's sample period. The default Tx time value is 75% of the controller's sample period. To correct Tx failures, either increase the Tx time or decrease the controller's sample rate. To recover from a TX_FAILURE event, the network must be shutdown and reinitialized. SYNQNET_TX_FAILURE is latched by the controller, use meiSynqNetEventReset(...) to

	clear the status/event bit.
MEIEventTypeSYNQNET_NODE_FAILURE	<p>SynqNet node failure. Generated when any node's upstream or downstream packet error rate counters exceed the failure limit. The failure limits are configured with <code>meiSqNodeConfigSet(...)</code>. Use meiSynqNetStatus(...) to read the <code>nodeFailedMask</code> to identify the failed nodes. Also, a <code>SQNODE_NODE_FAILURE</code> will be generated for each node that fails. <code>SYNQNET_NODE_FAILURE</code> is latched by the controller, use meiSynqNetEventReset(...) to clear the status/event bit. To recover from a node failure, the network must be shutdown and reinitialized.</p> <p>See Also: SynqNet Node Failure</p>
MEIEventTypeSYNQNET_RECOVERY	<p>SynqNet fault recovery. Generated when any node's upstream or downstream packet error rate counters exceed the fault limit and the data traffic is redirected around the fault. The fault limits are configurable via meiSqNodeConfigSet(...). <code>SYNQNET_RECOVERY</code> is latched by the controller. Use meiSynqNetEventReset(...) to clear the status/event bit.</p>
MEIEventTypeSQNODE_IO_ABORT	<p>SynqNet node I/O abort. Generated when the node I/O Abort is activated. When the I/O Abort is triggered, the node's outputs are disabled (set to the power-on condition). The node I/O Abort can be configured to trigger when either a Synq Lost occurs, Node Disable is active, a Power Fault occurs, or a User Fault is triggered. See <code>MEISqNodeConfigIoAbort{.}</code> for more details.</p>
MEIEventTypeSQNODE_NODE_DISABLE	<p>SynqNet node's Node Disable input is activated. Generated when the Node Disable input signal transitions from inactive to active. This signal is latched in hardware. Use meiSqNodeEventReset(...) to clear the status/event and the hardware latch.</p>
MEIEventTypeSQNODE_NODE_ALARM	<p>SynqNet node analog power failure. Generated when the node's power failure input bit transitions from inactive to active. The power fault circuit is node specific, but is typically connected to an analog power monitor. This signal is latched in hardware. Use meiSqNodeEventReset(...) to clear the status/event and the hardware latch.</p>

MEIEventTypeSQNODE_ANALOG_POWER_FAULT	<p>AnalogPowerFault may be used by a SynqNet node to indicate a problem with analog power rails. For example, the RMB-10V2 reports an AnalogPowerFault if its internal +15V or -15V (used to power the DACs and ADC) are below minimum values.</p> <p>NOTE: The exact meaning of AnalogPowerFault is specific to each particular node.</p>
MEIEventTypeSQNODE_USER_FAULT	<p>SynqNet node user fault. Generated when the node's user configurable fault is triggered. The user fault can be configured to monitor any controller memory address and compare the masked value to a specified pattern. This signal is latched by the controller, use meiSqNodeEventReset(...) to clear the status/event bit.</p>
MEIEventTypeSQNODE_NODE_FAILURE	<p>SynqNet node failure. Generated when a node's upstream or downstream packet error rate counters exceed the failure limit. The failure limits are configured with meiSqNodeConfigSet(...). SQNODE_NODE_FAILURE is latched by the controller, use meiSqNodeEventReset(...) to clear the status/event bit. To recover from a node failure, the network must be shutdown and reinitialized.</p>
MEIEventTypeSQNODE_IO_FAULT	<p>The event indicates that a fault was detected when communicating with one of the slices or SynqNet I/O modules attached to either Slice or SQID nodes. This event is only generated by slice and SynqNet (SQID) I/O nodes.</p>
MEIEventTypeCAN_BUS_STATE	<p>The BusState has changed. Data[0] contains the new bus state.</p>
MEIEventTypeCAN_RECEIVE_OVERRUN	<p>The CAN hardware detected a receive overrun.</p>
MEIEventTypeCAN_EMERGENCY	<p>An emergency message was received from a node. Data[0] contains the node number. Data [1 to 4] contains the contents of the emergency message.</p>
MEIEventTypeCAN_NODE_BOOT	<p>A node boot message was received from a node. Data[0] contains the node number.</p>
MEIEventTypeCAN_HEALTH	<p>The health of a node has changed. Data[0] contains the node number. Data[1] contains the new node health.</p>

MPIEventTypeCAN_DIGITAL_INPUT

A digital input event was received from a node. Data[0] contains the node number. Data [1 to 4] contains the new input state.

MPIEventTypeCAN_ANALOG_INPUT

An analog input event was received from a node. Data[0] contains the node number. Data [1 to 4] contains the new input state.

See Also

[MPIEventMask](#) | [MPIEventMgr](#) | [MPINotify](#) | [MPIEventStatus](#) | [meiSynqNetEventReset](#) | [Error Limit and Limit Switch Errors](#)

[Use of MPIEventTypeENCODER_FAULT](#)

MPIEventStatusINFO_COUNT_MAX

Definition

```
#define MPIEventStatusINFO_COUNT_MAX (16)
```

Description

MPIEventStatusINFO_COUNT_MAX defines the size of the MPIEventStatus.info[] array.

See Also

[MPIEventStatus](#) | [MPIEventMgr](#) | [MPINotify](#)