PIXEL CMOS PROJECT

MIMOSA26 PROTOTYPE

Technical Documentation Version 0.1

JTAG SOFTWARE

COM INTERFACE

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Support:

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1. Important Information

Warranty:

The MIMOSA26 test board is warranted against defects in material and workmanship for a period of one year from the date of shipment, as evidence by receipts or other documentation. IPHC laboratory will, at its option, repair or replace equipment that proves to be defective during the warranty period. This warranty includes parts and labor.

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2. Contents

3. About this manual

This is a short description of COM (Common Object Module) interface library for JTAG software of MIMOSA26 device. The MI26COM interface (MI26COMI) for the MIMOSA26 device is based on Microsoft's Component Object Model (COM). With MI26COMI you can control the MIMOSA26 JTAG software from a separate user program running on the same PC or on a remote PC.

4. Modifications Chronology

VERSION	MODIFICATIONS	CHAPTERS
0.1	Creation of the document.	All

5. Getting Started

This document is a short description for initiation of using COM interface library to interface to the JTAG software for a MIMOSA26 prototype test system. The system requirements are described in document MIMOSA26 JTAG SOFTWARE GETTING STARTED

6. Using the MIMOSA26 JTAG COM interface with Borland C++ Builder

1. Add “include” directive with a string “MI26LIB_TLB.h” to the start section of Application class header file (Application specific Form is inherited from TForm class.

```
ifndef MI26ClientUnitH
#define MI26ClientUnitH
//---------------------------------------------------------------------------
#include <Classes.hpp>
#include <Controls.hpp>
#include <StdCtrls.hpp>
#include <Forms.hpp>
#include <Dialogs.hpp>
#include "MI26LIB_TLB.h"
#include <Dialogs.hpp>
//---------------------------------------------------------------------------
class TFormMI26Client : public TForm
{
```

2. Add a reference “TCOMIMI26MasterConf MI26MasterConf “ to the private section of Application class described in the previous stage.

```
class TFormMI26Client : public TForm
{
__published:       // Composants gérés par l'EDI
      TEdit *Edit1;
      TButton *ButtonInfo;
....

private: // Déclarations de l'utilisateur
            TCOMIMI26MasterConf  MI26MasterConf;
public:              // Déclarations de l'utilisateur
      __fastcall TFormMI26Client(TComponent* Owner);
};
//---------------------------------------------------------------------------
extern PACKAGE TFormMI26Client *FormMI26Client;
//---------------------------------------------------------------------------
#endif
```

3. Initialize connection to the COM server with a method “Create” and the bounding can be tested with a command “get_info”. If the COM server application doesn’t show up, please re-register the MIMOSA26 COM server by executing the MI32.exe application on directory “C:\CCMOS_SCTRL\MIMOSA26_TAG”.

```
...
    if(!MI26MasterConf.IsBound()) // check if server is OK
    {
        OleCheck(CoMI26MasterConf::Create(MI26MasterConf));
    }
    if(MI26MasterConf.IsBound()) // perform request
    {
        WideString strValue;
        OleCheck(MI26MasterConf.get_Info(&strValue));
        Edit1->Text = strValue;
    }
...
```

4. The COM server request can be performing using a following request template. At the first stage server connection is checked. If the server connection is available the request to the server is performed.

```
    if(!MI26MasterConf.IsBound()) // check if server is OK
    {
        OleCheck(CoMI26MasterConf::Create(MI26MasterConf));
    }

    if(MI26MasterConf.IsBound()) // perform request
    {
        OleCheck(MI26MasterConf.<METHOD><ARGS>);
    }
```

In a following example is show how to use method “MasterConfUpdateAll” to update all the parameters to the device.

```
...
    if(!MI26MasterConf.IsBound()) // check if server is OK
    {
        OleCheck(CoMI26MasterConf::Create(MI26MasterConf));
    }

    if(MI26MasterConf.IsBound()) // perform request

    {
        WideString MsgStr;
        OleCheck(MI26MasterConf.MasterConfUpdateAll(&MsgStr));
        Memo1->Lines->Add(MsgStr);
    }
...
```

5. At the end of usage of the COM server application, the client application should release the server connection by using “Unbind” method.

```
void __fastcall TFormMi26MasterConfClient::FormClose(TObject *Sender,
      TCloseAction &Action)
{
    MI26MasterConf.Unbind();

}
```

7. Methods included to the MIMOSA26 JTAG COM object

7.1 IMI26MasterConf::Info

Description

This property allows client to retrieve a string with a name of server machine and a time information.

ODL syntax

```
[
propget,
id(0x00000001)
]
HRESULT _stdcall Info([out, retval] BSTR * Value );
```

Arguments

Value	Pointer to store value of info string.

HRESULT Return code

S_OK	The operation succeeded.

7.2 IMI26MasterConf::MasterConfLoadFile

Description

This method allows client to load a specific Master Configuration file.

ODL syntax

[

id(0x00000002)

]

HRESULT _stdcall MasterConfLoadFile([in] BSTR FileName, [out, retval] BSTR * Msg
);

Arguments

FileName	String with the full path to the Master Configuration.
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.3 IMI26MasterConf::MasterConfSaveFile

Description

This method allows client to save to the specific Master Configuration file.

ODL syntax

[

id(0x00000003)

]

HRESULT _stdcall MasterConfSaveFile([in] BSTR FileName, [out, retval] BSTR * Msg);

Arguments

FileName	String with the full path to the Master Configuration.
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.4 IMI26MasterConf::MasterConfUpdateAll

Description

This method allows client to update all the parameters to the device

ODL syntax

```
[
id(0x00000004)
]
HRESULT _stdcall MasterConfUpdateAll([out, retval] BSTR * Msg );
```

Arguments

Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.5 IMI26MasterConf::MasterConfUpdateBias

Description

This method allows client to update all the bias parameters to the device

ODL syntax

```
[
id(0x00000005)
]
HRESULT _stdcall MasterConfUpdateBias([out, retval] BSTR * Msg );
```

Arguments

Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.6 IMI26MasterConf::MasterConfUpdateLinePat

Description

This method allows client to update all the Line Pattern [0:1] parameters to the device

ODL syntax

```
[
id(0x00000014)
]
HRESULT _stdcall MasterConfUpdateLinePat([out, retval] BSTR * Msg );
```

Arguments

Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.7 IMI26MasterConf::MasterConfReadBack

Description

This method allows client to update all the bias parameters to the device

ODL syntax

```
[
id(0x00000006)
]
HRESULT _stdcall MasterConfReadBack([out, retval] BSTR * Msg );
```

Arguments

Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.8 IMI26MasterConf::MasterConfReadReset

Description

This method allows client to reset the target device.

ODL syntax

```
[
id(0x00000007)
]
HRESULT _stdcall MasterConfReset([out, retval] BSTR * Msg );
```

Arguments

Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.9 IMI26MasterConf::MasterConfReadStart

Description

This method allows client to initialize the device for running operation.

ODL syntax

```
[
id(0x00000008)
]
HRESULT _stdcall MasterConfStart([out, retval] BSTR * Msg );
```

Arguments

Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.10 IMI26MasterConf::MasterConfSetParallelPortAddr

Description

This method allows client to modify the base address of the parallel port device.

ODL syntax

[

id(0x00000009)

]

HRESULT _stdcall MasterConfSetParallelPortAddr([in] int Addr, [out] long * Rb_Addr, [out, retval] BSTR * Msg);

Arguments

Addr	Address of the parallel port device (e.g. 0x378)
Addr_Rb	Retrieved address of the parallel port device
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.11 IMI26MasterConf::MasterConfSetDevNum

Description

This method allows client to select a device number on multi device configuration.

ODL syntax

[

id(0x0000001C)

]

HRESULT _stdcall MasterConfSetDevNum([in] long DevNum, [out, retval] BSTR * Msg
);

Arguments

DevNum	Device number
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.12 IMI26MasterConf::MasterConfGetDevNum

Description

This method allows client to retrieve the current device number on multi device configuration.

ODL syntax

[

id(0x0000001D)

]

HRESULT _stdcall MasterConfGetDevNum([out] long * DevNum, [out, retval] BSTR * Msg);

Arguments

DevNum	Pointer to store the current device number
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.13 IMI26MasterConf::MIMOSA26ConfSetBias

Description

This method allows client to modify a value of Bias registers.

ODL syntax

[

id(0x0000000A)

]

HRESULT _stdcall MIMOSA26ConfSetBias([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Bias Register number
RegValue	Bias Register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.14 IMI26MasterConf::MIMOSA26ConfGetBias

Description

This method allows client to retrieve write and read values of Bias registers.

ODL syntax

[

id(0x0000000B)

]

HRESULT _stdcall MIMOSA26ConfGetBias([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Bias Register number
RegValue	Bias Register value (write to device)
Rb_RegValue	Bias Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.15 IMI26MasterConf::MIMOSA26ConfSetRomode

Description

This method allows client to modify a value of RoMode registers.

ODL syntax

[

id(0x0000000C)

]

HRESULT _stdcall MIMOSA26ConfSetRoMode([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Romode Register number
RegValue	Romode Register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.16 IMI26MasterConf::MIMOSA26ConfGetRoMode

Description

This method allows client to retrieve write/read values of RoMode register.

ODL syntax

[

id(0x0000000D)

]

HRESULT _stdcall MIMOSA26ConfGetRoMode([in] long RegNum, [out] long * RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	RoMode Register number
RegValue	RoMode Register value (read/write to device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.17 IMI26MasterConf::MIMOSA26ConfSetDiscri

Description

This method allows client to modify a value of Discriminator register.

ODL syntax

[

id(0x0000000E)

]

HRESULT _stdcall MIMOSA26ConfSetDiscri([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Discriminator Register number [0:9]
RegValue	Discriminator Register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.18 IMI26MasterConf::MIMOSA26ConfGetDiscri

Description

This method allows client to retrieve write and read values of Discriminator registers.

ODL syntax

[

id(0x0000000F)

]

HRESULT _stdcall MIMOSA26ConfGetDiscri([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Discriminator Register number
RegValue	Discriminator Register value (write to device)
Rb_RegValue	Discriminator Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.19 IMI26MasterConf::MIMOSA26ConfSetLinePat0

Description

This method allows client to modify a value of Line Pattern 0 registers.

ODL syntax

[

id(0x00000010)

]

HRESULT _stdcall MIMOSA26ConfSetLinePat0([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Line Pattern 0 register number [0:9]
RegValue	Line Pattern 0 register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.20 IMI26MasterConf::MIMOSA26ConfGetLinePat0

Description

This method allows client to retrieve write and read values of Line Pattern 0 registers.

ODL syntax

[

id(0x00000011)

]

HRESULT _stdcall MIMOSA26ConfGetLinePat0([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Line Pattern 0 Register number
RegValue	Line Pattern 0 Register value (write to device)
Rb_RegValue	Line Pattern 0 Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.21 IMI26MasterConf::MIMOSA26ConfSetLinePat1

Description

This method allows client to modify a value of Line Pattern 1 registers.

ODL syntax

[

id(0x00000012)

]

HRESULT _stdcall MIMOSA26ConfSetLinePat1([in] long RegNum, [in] long RegValue, [in] BSTR * Msg);

Arguments

RegNum	Line Pattern 1 register number [0:9]
RegValue	Line Pattern 1 register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.22 IMI26MasterConf::MIMOSA26ConfGetLinePat1

Description

This method allows client to retrieve write and read values of Line Pattern 1 registers.

ODL syntax

[

id(0x00000013)

]

HRESULT _stdcall MIMOSA26ConfGetLinePat1([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Line Pattern 1 Register number
RegValue	Line Pattern 1 Register value (write to device)
Rb_RegValue	Line Pattern 1 Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.23 IMI26MasterConf::MIMOSA26ConfShowWindow

Description

This method allows client to show or hide the device configuration window.

ODL syntax

[

id(0x00000015)

]

HRESULT _stdcall MIMOSA26ConfShowWindow([in] long ShowWin, [out, retval] BSTR * Msg);

Arguments

ShowWin	To show window (=1) and to hide window (=0)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.24 IMI26MasterConf::MIMOSA26ConfSetCtrl

Description

This method allows client to modify a value of Control registers.

ODL syntax

[

id(0x00000016)

]

HRESULT _stdcall MIMOSA26ConfSetCtrl([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Control register number [0:9]
RegValue	Control register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.25 IMI26MasterConf::MIMOSA26ConfGetCtrl

Description

This method allows client to retrieve write and read values of Control registers.

ODL syntax

[

id(0x00000017)

]

HRESULT _stdcall MIMOSA26ConfGetCtrl([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Control Register number
RegValue	Control Register value (write to device)
Rb_RegValue	Control Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.26 IMI26MasterConf::MIMOSA26ConfSetTest1Pad

Description

This method allows client to modify a value of Test 1 Pad section on Control register.

ODL syntax

[

id(0x00000018)

]

HRESULT _stdcall MIMOSA26ConfSetTest1Pad([in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegValue	Test 1 Pad selection value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.27 IMI26MasterConf::MIMOSA26ConfGetTest1Pad

Description

This method allows client to retrieve write/read values of Test 1 Pad section on Control register.

ODL syntax

[

id(0x00000019)

]

HRESULT _stdcall MIMOSA26ConfGetTest1Pad([out] long * RegValue, [out, retval] BSTR * Msg);

Arguments

RegValue	Test 1 Pad selection value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.28 IMI26MasterConf::MIMOSA26ConfSetTest2Pad

Description

This method allows client to modify a value of Test 2 Pad section on Control register.

ODL syntax

[

id(0x0000001A)

]

HRESULT _stdcall MIMOSA26ConfSetTest2Pad([in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegValue	Test 2 Pad selection value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.29 IMI26MasterConf::MIMOSA26ConfGetTest2Pad

Description

This method allows client to retrieve write/read values of Test 2 Pad section on Control register.

ODL syntax

[

id(0x0000001B)

]

HRESULT _stdcall MIMOSA26ConfGetTest2Pad([out] long * RegValue, [out, retval] BSTR * Msg);

Arguments

RegValue	Test 2 Pad value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.30 IMI26MasterConf::Mimosa26ConfSetHeaderTrailer

Description

This method allows client to modify a value of Header Trailer registers.

ODL syntax

[

id(0x0000001E)

]

HRESULT _stdcall Mimosa26ConfSetHeaderTrailer([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Header Trailer Register number [0:3]
RegValue	Header Trailer Register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.31 IMI26MasterConf:: Mimosa26ConfGetHeaderTrailer

Description

This method allows client to retrieve write and read values of Header Trailer registers.

ODL syntax

[

id(0x0000001F)

]

HRESULT _stdcall Mimosa26ConfGetHeaderTrailer([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Header Trailer Register number [0:3]
RegValue	Header Trailer Register value (write to device)
Rb_RegValue	Header Trailer Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.32 IMI26MasterConf::Mimosa26ConfSetSeqPix

Description

This method allows client to modify a value of Sequencer Pixel registers.

ODL syntax

[

id(0x00000020)

]

HRESULT _stdcall Mimosa26ConfSetSeqPix([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Sequencer Pixel Register number [0:7]
RegValue	Sequencer Pixel Register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.33 IMI26MasterConf::Mimosa26ConfGetSeqPix

Description

This method allows client to retrieve write and read values of Sequencer Pixel registers.

ODL syntax

[

id(0x00000021)

]

HRESULT _stdcall Mimosa26ConfGetSeqPix([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Sequencer Pixel Register number [0:7]
RegValue	Sequencer Pixel Register value (write to device)
Rb_RegValue	Sequencer Pixel Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.34 IMI26MasterConf::Mimosa26ConfSetSeqSuze

Description

This method allows client to modify a value of Sequencer SUZE registers.

ODL syntax

[

id(0x00000022)

]

HRESULT _stdcall Mimosa26ConfSetSeqSuze([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Sequencer SUZE Register number [0:7]
RegValue	Sequencer SUZE Register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.35 IMI26MasterConf::Mimosa26ConfGetSeqSuze

Description

This method allows client to retrieve write and read values of Sequencer SUZE registers.

ODL syntax

[

id(0x00000023)

]

HRESULT _stdcall Mimosa26ConfGetSeqSuze([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Sequencer SUZE Register number [0:7]
RegValue	Sequencer SUZE Register value (write to device)
Rb_RegValue	Sequencer SUZE Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.36 IMI26MasterConf::Mimosa26ConfSetCtrlSuze

Description

This method allows client to modify a value of Control SUZE registers.

ODL syntax

[

id(0x00000024)

]

HRESULT _stdcall Mimosa26ConfSetCtrlSuze([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Control SUZE Register number [0:15] 0: CFGADR, 1: CFGCS, 2: CFGDATA, 3: CFGWR, 4: DISCKGMODGATE, 5: JSUPINITMEM, 6: CLKRATEOUT, 7: DUALCHANNELOUT, 8: SCANLINETST, 9: ROWLASTSUZE, 10: ENTESTDATADISC, 11: TESTAFTERMUX, 12: ENSCAN, 13: ENAUTOSCANDISCRI, 14: SELPAD3, 15: SELPAD4
RegValue	Control SUZE Register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.37 IMI26MasterConf:: Mimosa26ConfGetCtrlSuze

Description

This method allows client to retrieve write and read values of Control SUZE registers.

ODL syntax

[

id(0x00000025)

]

HRESULT _stdcall Mimosa26ConfGetCtrlSuze([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Control SUZE Register number [0:15] 0: CFGADR, 1: CFGCS, 2: CFGDATA, 3: CFGWR, 4: DISCKGMODGATE, 5: JSUPINITMEM, 6: CLKRATEOUT, 7: DUALCHANNELOUT, 8: SCANLINETST, 9: ROWLASTSUZE, 10: ENTESTDATADISC, 11: TESTAFTERMUX, 12: ENSCAN, 13: ENAUTOSCANDISCRI, 14: SELPAD3, 15: SELPAD4
RegValue	Control SUZE Register value (write to device)
Rb_RegValue	Control SUZE Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.38 IMI26MasterConf:: Mimosa26ConfSet8B10Reg0

Description

This method allows client to modify a value of Control 8B10B Reg0 registers.

ODL syntax

[

id(0x00000026)

]

HRESULT _stdcall Mimosa26ConfSet8B10Reg0([in] long RegNum, [in] long RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Control 8B10B Reg0 Register number [0:15]
RegValue	Control 8B10B Reg0 Register value
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.39 IMI26MasterConf::Mimosa26ConfGet8B10Reg0

Description

This method allows client to retrieve write and read values of Control 8B10B Reg0 registers.

ODL syntax

[

id(0x00000027)

]

HRESULT _stdcall Mimosa26ConfGet8B10Reg0([in] long RegNum, [out] long * RegValue, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Control 8B10B Reg0 Register number [0:7]
RegValue	Control 8B10B Reg0 Register value (write to device)
Rb_RegValue	Control 8B10B Reg0 Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.40 IMI26MasterConf::Mimosa26ConfGet8B10BReg1EncodedData

Description

This method allows client to retrieve read values of Control 8B10B Reg1 (Encoded Data Field) registers.

ODL syntax

[

id(0x00000029)

]

HRESULT _stdcall Mimosa26ConfGet8B10BReg1EncodedData([in] long RegNum, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Control 8B10B Reg1 (Encoded Data) Register number [0:15]
Rb_RegValue	Control 8B10B Reg1 (Encoded Data) Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.

7.41 IMI26MasterConf:: Mimosa26ConfGet8B10BReg1Flags

Description

This method allows client to retrieve read values of Control 8B10B Reg1 (Flags Field) registers.

ODL syntax

[

id(0x0000002A)

]

HRESULT _stdcall Mimosa26ConfGet8B10BReg1Flags([in] long RegNum, [out] long * Rb_RegValue, [out, retval] BSTR * Msg);

Arguments

RegNum	Control 8B10B Reg1 (Flags) Register number [0:4]
	0: Start, 1: DataRdy, 2: RstB, 3: RawDataRdy, 4: EncodedDataRdy
Rb_RegValue	Control 8B10B Reg1 (Flags) Register value (read from device)
Msg	Pointer to store server message

HRESULT Return code

S_OK	The operation succeeded.