


WireWorks West Inc. 	COVER SHEET
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Title:	TIMS Status and Error Codes	Release Date:	04/11/2005
Number:	DOC-000006	Incorporated by:	Veda
Revision:	02	DOCUMENT X	SOFTWARE

File to PERFORCE	
Label:	
Location:	//tims/dev/docs/public/TIMS Status and Error Codes.doc
Head Revision:	5

Test Instrument Module System (TIMS)

Error and Status Code Descriptions

Error Code Descriptions

1.1 ERROR CODES

General Error Codes Table

Error Code	Error	Description
5247	Input Range Error	A specified parameter is out of range
5261	Device Error	Device Error
5264	Unknown Control Code	Control Code is unknown
5265	Function Data Length Bad	The data provided to the control function is of the wrong length
5338	Invalid Condition Error	The device is in a state incompatible with the specified control function
5342	Function Timeout	Device function did not complete within timeout
5343	Data Link Rx Timeout	Did not receive data within specified timeout

I2C Subroutine Error Table

Error Code	Error	Description
5340	I2C Address Error	The I2C address provided is invalid
5341	I2C Function Error	The I2C function could not be carried out

Firmware Update Code Error Table

Error Code	Error	Description
5327	FLASH Address Invalid	
5328	FLASH Block Erase Error	
5329	FLASH Block Write Error	

1.2 I2C SUBROUTINE SPECIFIC ERROR CODES

These error codes are returned in the data field after calling **fnc_I2C_FUNCTION_ERROR** (see the 0102 Software Specification/Function Reference for more information).

I2C Subroutine Error Table

Error Code	Error	Description
0x10	START Pre-Condition	SDA or SCL is Low
0x11	START Bus Collision	
0x12	START Timeout	
0x13	START Verify	
0x20	RESTART Pre-Condition	SDA or SCL is High
0x21	RESTART Bus Collision	
0x22	RESTART Timeout	
0x23	RESTART Verify	
0x30	WR Byte Pre-Condition	SDA or SCL is High
0x31	WR Byte Bus Collision	
0x32	WR Byte Timeout	

**Test Instrument Module System
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Error Code Descriptions

0x41	RD ACK Bus Collision	
0x42	RD ACK Timeout	
0x51	RD Byte Bus Collision	
0x52	RD Byte Timeout	
0x61	WR ACK Bus Collision	
0x62	WR ACK Timeout	
0x71	WR NAK Bus Collision	
0x72	WR NAK Timeout	
0x81	STOP Bus Collision	
0x82	STOP Timeout	
0x83	STOP Verify	