ATL Service Bulletin

Customer Support

SB: 5000-10

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WITH ATTACHMENTS: No
WITH PARTS: No
C.O. No.: No
C.A.R.: No

SUBJECT: Error Banner Code Descriptions on 17X.xx software

PROBLEM: Error Banner Codes have no descriptions.

EFFECTIVITY: Immediate

SCOPE: HDI 5000 SW 170.30 and above.

INTRODUCTION: In the HDI 5000 software 170.xx the Error Banner display shows Date and Time when the Error occurred and an Error Number. The Error Number is unique and provides information about the reported Error Message.

Locate the reported number in the table below to read the text message associated with that message.

Note:
The Error that caused the Banner is not the root cause. It is the result of a broken failure path. Proper troubleshooting and system diagnostic tests as shown in the UpLink troubleshooting flow charts need to be performed in order to identify the problem !

Error Code	Module Name	Text Message
0001	PiLogErr.c	A software failure (new assertion) has occurred. There is no known hardware fault that could cause this.
0002	bCommonFormat.c	FEC alert message - The front end has stopped scanning because of some power monitor problem. This could be a hardware problem with the scanhead, the channel boards, the AIM, or the power supplies, but this also could be a system software problem. In reviewing the previous error messages, from the FEC, the board errorID should indicate if there is a specific problem with hardware.
0003	bCommon.c	Hardware configuration was incorrect for the board specified in the error message. Most likely this is a board configuration problem - either the hard coded bits or the Eeprom is bad. This could also be a communications or software problem.

Error Code	Module Name	Text Message
0004	CmoduleLoader.c	This prevents the user from using the machine after flash files were reloaded - it only requires a system reboot.
0005	CmoduleLoader.c	Could not determine which flash to load. Look at the previous error messages and they will indicate which board and file it had trouble evaluating. It could be the board itself, or an incorrect modprog.sys file was copied on an install/upgrade.
0006	CmoduleLoader.c	Could not load the flash specified. Look at the previous error messages and they will indicate which board and file it had trouble loading. It could be the board itself, or the flash file was corrupt on the hard disk, or an install/upgrade process did not copy the correct file.
0007	bUtil.c	Could not determine which center plane was installed. The hardware configuration could not be read from the center plane. This can be a fault of the center plane config resistors for older boards or the configuration Eeprom for newer boards. It also could be a fault of the CPU's ability to read these devices.
0008	VDiags_Init.c	The installed hardware and software did not match the expected values. Verify the installed hardware and software differences are correct (typically this occurs on an install or upgrade) and replace any that are invalid. For any differences that are acceptable, save Installed as Expected in the config menu. If this occurs after saving installed as expected and then rebooting, there probably is a software problem.
0009	VMachOptsMgr.cc	Machine Options could not be set. Typically this is a problem with the machopts.dat file. Either it could not be read or it had an invalid password. It could also be a software problem.
0010	CMachFeature.c	The list of PCM's in the machine feature software did not contain the installed board. Probably an invalid PCM was installed for this machine. This error was not detected by the configuration software as the installed configuration was incorrectly saved as the expected.
0011	CMachFeature.c	The list of ChannelBoards (CB) in the machine feature software did not contain the installed board. Probably an invalid CB was installed for this machine. This error was not detected by the configuration software as the installed configuration was incorrectly saved as the expected.
0012	CMachFeature.c	The list of AIFOM's in the machine feature software did not contain the installed board. Probably an invalid AIFOM for this machine was installed. This error was not detected by the configuration software as the installed configuration was incorrectly saved as the expected.
0013	CMachFeature.c	The list of AIM's in the machine feature software did not contain the installed board. Probably an invalid AIM was installed for this machine. This error was not detected by the configuration software as the installed configuration was incorrectly saved as the expected.
0014	CMachFeature.c	The list of DDEA's in machine feature software did not contain the installed board. Probably an invalid DDEA was installed for this machine. It was not detected by configuration software as installed was saved as expected.
0015	CMachFeature.c	The list of DOPACQ's in the machine feature software did not contain the installed board. Probably an invalid DOPACQ was installed for this machine. This error was not detected by the configuration software as the installed configuration was incorrectly saved as the expected.
0016	CDiagsMachine.c	A board failed its bootup test. An error message describing which board failed should precede this error. If not, run the PCB's Bootup Status util and it will display which board failed. This is usually an actual board failure.

Error Code	Module Name	Text Message
0017	bUtilStatus.c	Slot configuration error on bootup. Review the previous error messages and the suspected slot and board will be identified. Either the configuration was read incorrectly which would be a board failure or the board was not seated correctly. Another possibility is that the data files that describe how the center plane is configured (brdList.xml, ctrP96.xml, sltP96.xml) are invalid or corrupt.
0018	VDiagsSoftware.c	This is only a test message. It occurs when VDiagsSftw_PriorityAlert is executed to verify a banner can be generated.
0019	VPMPowerMonitor.c	The main task was suspended or crashed at the time the standby switch was set to off. No recommendations.
0020	VPMClockMonitor.c	Monitor task crash. No recommendations.
0021	VPMClockMonitor.c	Task crash. No recommendations.
0022	mainVxworks.c	Chkdsk failed with errors that it could not fix. The most likely cause is a failed hard drive.
0023	mainVxworks.c	NVRAM was corrupt. Either the battery or the device itself is bad. This also can be caused by turning the power off from the back or pulling the plug.
0024	bTransport.c	Write communications to the PCM through the ATL socket failed. This is most likely a software failure, but it could also be a board failure of the PCM or the CPU. The PCM resets if its memory overflows because of resource memory leaks, and this reset will close this socket.
0025	bTransport.c	Read communications from the PCM through the ATL socket failed. This is most likely a software failure, but it could be a board failure of the PCM or the CPU. The PCM resets, if its memory overflows because of resource memory leaks, and this reset will close this socket.
0026	SscbTask.c	Scip block transfer failed. The board address will be in the error message. This could be the board, but most likely is a communications fault and a retry usually fixes it. This also could be a corrupt file that is being transferred.
0027	uModXKbdMap.c	The user interface key-symbol file could not be found. Either it is corrupt, or missing.
0028	vCalcOb.c	Attempt to get an equation from a weight table failed. Could be a corrupted file or software error.
0029	vCalcOb.c	Error with equations in weight table failed. Could be a corrupted file or software error.
0030	vCalcOb.c	Attempt to get an equation from the age table file failed. Could be a corrupted file or software error.
0031	vCalcOb.c	Error with equations in age table failed. Could be a corrupted file or software error.
0032	vCalcOb.c	Attempt to get a table from the age table failed. Could be a corrupted file or software error.
0033	vCalcOb.c	Attempt to get data from the percentile table failed. Could be a corrupted file or software error.
0034	vCalcOb.c	Could not determine current table for a measurement. Could be a corrupted file or software error.
0035		Attempt to open an AP&I file for a scanhead failed. Either the file is corrupted or missing.
0036		Attempt to open a Raima data base AP&I record failed. Either the Raima data base is corrupt, or there was a software error.
0037	vsScanhead.c	The MPTEE has exceeded its temperature. No recommendations.
0038	vsScanhead.c	The BPTEE has exceeded its temperature. No recommendations.

Error Code	Module Name	Text Message
0039	vdRtda.c	The Doppler display and Physio display are out of sync. This primarily indicates a software problem, but it also is an indication that the signal path failed to restart after a stop. Thus it could be any of the signal path boards.
0040	vdtScanSequence.c	The Pulse CW Doppler duty cycle is out of range. This is a software problem. There is no hardware fix.
0041	bAdaptrFormat.c	When trying to stop the data path to change modes, the ADAPTR would not stop. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0042	bAifom1Format.c	When trying to stop the data path to change modes, the AIFOM would not stop. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0043	bSpm1Format.c	When trying to stop the data path to change modes, the SPM would not stop. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0044	bSpm1Format.c	When trying to start the data path to change modes, the SPM would not start. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0045	bSsp1Format.c	When trying to stop the data path to change modes, the SSP would not stop. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0046	cSpcs.c	Could not initialize the DDEA board. Replace the DDEA. This could also be problem with communication to the DDEA.
0047	cSpcsGspmColor.c	SSP is present, but no code compiled for the Color mode for the SSP. This is a system software problem.
0048	cSpcsGspmColor.c	SPM is present, but no code compiled for the Color mode for the SPM. This is a system software problem.
0049	cSpcsGspmDopp.c	SSP is present, but no code compiled for the Doppler mode for the SSP. This is a system software problem.
0050	cSpcsGspmDopp.c	SPM is present, but no code compiled for the Doppler mode for the SPM. This is a system software problem.
0051	cSpcsGspmMisc.c	SSP is present, but no code compiled for the Miscellaneous support for the SSP. This is a system software problem.
0052	cSpcsGspmMisc.c	SPM is present, but no code compiled for the Miscellaneous support for the SPM. This is a system software problem.
0053	cSpcsGspmMmode.c	SSP is present, but no code compiled for the Mmode for the SSP. This is a system software problem.
0054	cSpcsGspmMmode.c	SPM is present, but no code compiled for the Mmode for the SPM. This is a system software problem.
0055	cSpcsGspmTwod.c	SSP is present, but no code compiled for the 2D mode for the SSP. This is a system software problem.
0056	cSpcsGspmTwod.c	SPM is present, but no code compiled for the 2D mode for the SPM. This is a system software problem.
0057	cInit.c	Could not initialize the Front End Sub-System. No recommendations.
0058	bImem.c	Imem failure. Replace the IMEM board. If this error repeats, could be software memory allocation problem.

Error Code	Module Name	Text Message
0059	cFecsXdcr.c	The scanhead prom checksum was incorrect. Replace bad scanhead. If it repeats, this could be a problem with the FEC or SHSEL which read the data.
0060	cFecsXdcr.c	The scanhead prom checksum was incorrect. Replace bad scanhead. If this error repeats, this could be a communication problem with the FEC or SHSEL which read the data which could be a software problem.
0061	bMps.c	Problem when shutting down the system with the standby switch. This is for systems with an MPS. Most probable cause is software.
0062	bFecFormat.c	When trying to stop the data path to change modes, the FEC would not stop. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0063	bFecFormat.c	When trying to start the data path to change modes, the FEC would not start. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0064	bFec.c	Problem when shutting down the system with the standby switch. This is for systems with a PSM. Most probable cause is software.
0065	cFecsApim.c	The AP&I checksum from the Raima data base files did not match the value in the control and data files for a scanhead. Possibly corrupted files for that scanhead application.
0066	bImem.c	Could not read configuration for the IMEM. Replace the IMEM board. This could also be a problem with the communication to the IMEM board.
0067		Problem when trying to transfer data to the AIFOM. This could cause a scaling error. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0068	vdtScanSequence.c	Problem when switching from CW to 2D. This is software problem.
0069	cSpcsPhysio.c	Problem while setting the gain for channel B of the DDEA. This could be a board problem or also a problem with the communication to the DDEA.
0070	cSpcsPhysio.c	Problem while setting the gain for channel A of the DDEA. This could be a board problem or also a problem with the communication to the DDEA.
0071	cSpcsAaPath.c	Problem while getting the ADAPTR environment data from the environment file. Probably a corrupt or missing file. Could also be a software problem.
0072	bFecFormat.c	System and FEC communications are out of sync. Most likely this is a software problem. Running the End to End and Machine Comprehensive tests will verify the hardware is good.
0073	vsScanhead.c	CW calibration file was not available at the beginning of calibration. Run the CW calibration util.
0074	vsScanhead.c	Could not write CW calibration results to the hard disk. Most likely this is a file corruption error with the hard disk. Could also be a system software error.
0075		Problem when starting the data path after an image update with the FEC board. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.

Error Code	Module Name	Text Message
0076		Problem when starting the data path after an image update with the AIFOM board. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0077		Problem when starting the data path after an image update with the ADAPTR board. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0078		Problem when starting the data path after an image update with the SSP board. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0079		Problem when starting the data path after an image update with the PSP board. This could be a board problem, or a software problem. If the End to End and Machine Comprehensive Tests pass it is probably not the board.
0080	uDiagsTmpSWOptSetup.c	Problem allocating display resources for Temporary Software Options message banners or controls. This is a software problem. Existing Temporary Software Options should still be functional.
0081	uAnalysisTransfer.cc	Power Calcs configuration failure writing or reading the backup/restore configuration file to the MO disk. Reviewing the error messages previous to and associated with this banner will indicate what the particular file and error were.
0082	VDiags_Init.c	System CPU memory configuration is incorrect for an HDI 5000. A minimum of 48 MBytes is required. Check the System CPU and verify the correct amount of memory is installed.
0083	vdbUtil.c	Problem when performing vdb data initialization. This is a software problem.
0084	uMisem.c	Problem with DVS. Look in machine error log for the DVS error code contained in the message string.
0085	vetScanFormat.c	EPM data conflict. This is a software problem.
0086	mainVxworks.c	Swatch task failed to initialize. This is a software problem.
0087	vMisem.c	The DVS installed hardware and software did not match the expected values. Verify the installed hardware and software differences are correct (typically this occurs on an install or upgrade) and replace any that are invalid. For any differences that are acceptable, save Installed as Expected in the config menu. If this occurs after saving installed as expected and then rebooting, there probably is a software problem.
0088		Memory corruption caused by improper use of malloc, free, or realloc. This is a software problem.)
0089	uMisem.c	No DVS bootup status. If other HDI functionality is working, either the HDI has a problem communicating with the DVS (failure in CPU, the ethernet cable, or the system software), or DVS did not bootup (failure in the DVS box).
0090	uMisem.c	Problem communicating with the DVS box. Either the HDI had a problem communicating with the DVS (failure in CPU, the ethernet cable, or the system software), or DVS failed to communicated (failure in the DVS box)