# NIST Libraries error codes

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| **CODE** | **Error** | **Comment** |
| 50xx | Module Errors |  |
| 5001 | Override Error. Abstract class called. | NISTObject\_class. This error occurs when the parent instance of a method that must be overridden is called. A child override instance should be called instead. |
| 5002 | The invalid message string % was received by module %s | NISTCloneableModule.lvlib:Main.vi. Error thrown when the default case of the queued message handler is called. An unhandled message was inserted into the queue. |
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| 5004 | Plugin class file not found at path: %s. Check plugin .ini file for properly formatted relative path to class and check that the specified plugin class exists. | Each plugin has a .ini file which contains a path to the class file itself. This error indicates that the class file was not found at the path indicated in the ini file. |
| 5011 | Did not find %s module config file info: %. Be sure this section exists in the .ini and .tst files. | Module configuration information must exist in .ini and .tst files. This error indicated that the file was found but the named section was not found. |
| 51xx | Event Module Errors |  |
| 5101 | Event Module could not find file %s | An event module was attempting to open the named file and the file was not found. |
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| 52xx | App Module Errors |  |
| 5202 | App Module XML error: XML input  %s | The app module config is saved to file in XML form. This error is becaues the XML input to the App has an incorrect format |
| 5203 | App Invalid Input | Each App Type may use this error as is needed |
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| 55xx | Bus Class Errors |  |
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| 5503 | Bus number 0 is an illegal ID for bus class objects. | Bus number 0 was requested but is an illegal bus number. If this was not requested by a test automation script, contact the NIST Synchrometrology Lanb to analyse the error. |
| 5504 | Bus number %d was not found. | A requested (non-zero) bus number but was requested but was not found. |
| 5521 | Cannot open test file: %s. Test file does not exist. | Check to see if the path to the test file is correct and the file exists. Check your settings (Gear Icon) for the test file path. |
| 5522 | Cannot open .ini file: %s. File not found | Check to see if the path to the test file is correct and the file exists. Check your settings (Gear Icon) for the test file path. |
| 5551 | Invalid Module Type: %s in GetBroadcast | The scripted state machine GetBroadcast function received an unrecognized module type. Module types should be Event, PMU, Network, Flags, OutToFile, App |
| 5552 | Event case timed out in Bus Scripted State Machine state: %s | A request to a module in the scripted state machine requested a broadcast but none was received. |
| 5553 | Timed out awaiting module broadcast: %s | GetBusData requested data from a module but none was received. |
| 5561 | No bus selected. Select an active bus to remove. | The Bus Number was set to 0 when trying to remove a bus. An active bus number must be selected. |
| 5571 | Invalid “Get” argument: %s | A Labview Test Automation argument from the “Get” command is not handled. |
| 5572 | Invalid “Set” argument: %s | A Labview Test Automation argument from the “Set” command is not handled. |
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| 56xx | Scripted State Machine |  |
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| 5603 | Scripted State Machine "Initialize" state was called with elements in the Queue. User's scripts must NOT call the "Initialize" state. | Hopefully this is self explanatory |
| 5604 | SMQueue timed out after %d seconds. Check that the last script ended with a "Stop" state | The Scripted State machine has a timeout if the queue becomes empty. One way this can happen is if the script does not end with a “Stop” command. |
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| 57xx | Bus Controller |  |
| 5702 | Unhandled Script command %s was called in bus controller %s | The bus controller state machine default case was called. |
| 5703 | Bus Controller %d "Initialize" state was called with elements in the Queue. Bus must NOT call the "Initialize" state. | Hopefully this is self explanatory |
| 5704 | Bus Controller Queue timed out after %d seconds. Check that the last script ended with a "Stop" state | The Bus Controller state machine has a timeout if the queue becomes empty. One way this can happen is if the script does not end with a “Stop” command. |
| 5705 | Bus Controller got unrecognized broadcast type: %s |  |
| 5706 | Invalid Event Signal Time Array Parameters:  Fs: %d  End Time: %f  Start Time: %f  PMU Filter Order: %d  FSamp: %d | One or more of the parameters read from Event and PMUImpairment used to calculate the Event Signal Time Array has an invalid number. End time must be greater than Start time and Fs, FSamp, and Filter Order all need to be > 0. |
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| 58xx | Labview Test Automation |  |
| 5801 | Bus number %d already exists. Cannota dd new bus. |  |
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| 20xxx | Comms Library Errors |  |
| 20001 | Comms Class Unused Comms Type: %s | The communications class can handle only the following communication types:  TCP, UDP, UDP-Multicast, UDP-Broadcast, USB, GPIB, BitBucket, TCPPacket. |
| 20002 | Cannot Create Listener for %s Connection Type | Only TCP listeners can be created. |
| 30xxx | Python Errors |  |
| 30000 | Python Code Error | Typically, Python does not provide error numbers. This indicates that Python sent Labview an error. |
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