This document contains the meaning of the commonly seen Syslog messages.

The following syslogs are in numerical order	
0018 BWMGMT Bandwidth_Management_initialization_failed	Failed to initialize Bandwidth Management. May be due to incorrect configuration.
0201 dataMemBlockGet no_more_free_nodes_available_hash table	Hash Table has no memory that can be allocated.
0201 dataMemBlockGet no_more_free_nodes_available_SMTP_ALG	All available nodes for SMTP have been used. This could be caused by a user who is send spam through the NSE.
0201 dataMemBlockGet no_more_free_nodes_available_SAT_TABLE	SAT_Table has no memory that can be allocated.
0201 dataMemBlockGet no_more_free_nodes_available_HTTP_REDIRECT	Http Redirect has no memory that can be allocated.
0201 dataMemBlockGet no_more_free_nodes_available_SMARTNAT_LIST 0201 dataMemBlockGet no_more_free_nodes_available_hash table(ndxSessionSTable)	Smart Nat (Inat) Table has no memory that can be allocated.
0201 dataMemBlockGet no_more_free_nodes_available_802.1x	802.1x_Table has no memory that can be allocated.
0201 dataMemBlockGet no_more_free_nodes_available_REAL_AUDIO	Real Audio Table has no memory that can be allocated.
0201 dataMemBlockGet no_more_free_nodes_available_PMS_BACKEND_Q	PMS Backend_Q Table has no memory that can be allocated.
0201 dataMemBlockGet no_more_free_nodes_available_TOQ_JOB	excessive calls to management interfaces
WARNING DMGMT: 0201 dataMemBlockGet no_more_free_nodes_available_SUBTABLE_IP_	This is seen when the user license limit is exceeded.
3006 HRS_Daemon ERROR_on_the_accept_call	An invalid http get was received and not processed
3006 HRS_Daemon ERROR_on_the_accept_call -- errno is 53	The NSE checks if there is a new TCP connection being handed up the stack for a redirect, but it failed to create the socket needed.
3007 HRS_Daemon ERROR_allocating_a_new_httpRedirect_object	No memory objects available to allow a new redirect to happen
3008 HRS_Object received_bad_HTTP_request	The NSE is unable to process the http request.

3009 HRS_Object ERROR_returned_by_HRS_GetRequestMethod HRS: 3009 HRS_Object ERROR_returned_by_HRS_GetRequestMethod (HrsTask2092) meth=|OPTIONS|	The HTTP request method is invalid The request was not one of the following methods; Get, Head, Post, Put, Delete, Trace or Options. If it is not one of these methods then it is an error method and returns the error that would spawn that syslog:
3010 HRS_Object received_bad_URL 3010 HRS_Object received_bad_URL: for submac 3C:C2:43:83:AC:C8, to 191.234.5.80:80, ua=|Windows Phone Search (Windows Phone OS 8.0;NOKIA;Lumia 920;8.0;10532)|, for host |api.bing.com|	The HTTP request was null, empty or incorrectly formed. It might not be a full http request but a request for something other than a html page
3012 HRS_Object no_existing_entry_in_the_SAT_table	When doing a lookup for a subscriber's mac address, the lookup fails.
3014 HRS_Object ERROR_writing_to_the_socket 3014 HRS_Object ERROR_writing_to_the_socket (HandleHttpRequest..) buflen=401, errno=54	The NSE could not write to socket so the user did not received an appropriate response to their http request.
3015 HRS_Object ERROR_during_HTTP_request_proxy 3015 HRS_Object ERROR_during_HTTP_request_proxy, request is: |GET /un/api/res/1.2/prMpbWkn0uSkTsNXRRtqWQ-	Proxy lookup and tried to redirect but it failed
3016 HRS_Object ERROR_getting_redirect_packet	This means that the NSE has not been able to create the http redirect message. One possible case is if the URL contains invalid percent characters. Most cases that produce this error send a more specific syslog. Look for another syslog preceding this one.
3017 HPR_Functionality received_a_request_of_unknown_type	The HTTP request method is not GET, POST or HEAD. The NSE cannot handle this type of request so it is ignored.
3022 HRS_AAA_Check authentication failed	A check to see if the user is valid has failed.
3023 HRS_AAA_Check bad_authentication_request_format	The NSE is unable to redirect the subscriber because the Http Get was null.
3025 HRS_Object Socket Read Error: sFD 20 read bytes -1, errno=54 3025 HRS_Object Socket Read Error: sFD 67 read bytes -1, errno=54 (HrsTask1328), tot=0, dur=0, cmd=||	This occurs if the connection is reset by the peer machine and the NSE cannot read the http request.

3026 HRS_Object Socket_timeout 3026 HRS_Object Socket_timeout (HrsTask3382), tot=0, dur=5, cmd=‖	This means that when the NSE tried to redirect the user, either to the login screen or Home Page Redirect, the connection was already closed. This could be caused by the user closing their browser or changing to another browser page from the one they originally were on.
3029 HRS_Object ERROR_spawning_task_for_httpRedirect_object	An Error occurred when trying to spawn a Task to allow for the redirect.
3030 HRS_Object ERROR_redirection_loop_detected	Loop caused by a Get request redirecting to the same Get request.
3040 hprInsert dataMemBlockGet_returned_NULL_no_more_memory_node_available	SAT memory table is full so it cannot create a new record for HPR for a subscriber.
3041 hprInsert hashInsert_returned_ERROR	The hash table entry for the redirect failed.
4005 AAA_Interface Error_while_removing 00:04:75:BB:86:05	There was an internal error while removing this Mac address from the Authfile
4006 AAA_Interface Removed_by_administrator 00:0E:35:D8:72:18	Subscriber's profile was removed by an administrator by mac address
4006 AAA_Interface Removed_by_administrator aforum	Subscriber's profile was removed by an administrator by user name
4007 AAA_Interface Added_by_administrator 00:02:2D:7F:59:B4 Exp_time:9 hrs 15 min	Subscriber's profile was added the database by mac address
4007 AAA_Interface Added_by_administrator ahughes Exp_time:Unlimited	Subscriber's profile was added the database by user name
4008 AAA_Interface Error_while_adding_record 08:00:46:E4:48:DD	Unable to add a record to the subscriber database
4009 AAA_Interface Updated_by_administrator 00:03:47:F0:8F:72 Exp_time:Unlimited	Subscriber's profile was updated by an administrator by mac address
4009 AAA_Interface Updated_by_administrator jdoe Exp_time:Unlimited	Subscriber's profile was updated by an administrator by user name
4010 AAA_Interface Error_while_updating_record 00:0B:5D:26:20:2E	An error occurred when trying to remove a subscriber profile from the subscriber database
4011 AAA_Interface Not_enough_space_to_add 00:01:03:AB:9D:F3	Unable to add a record to the subscriber database because the number of users exceeds the number allowed
4013 AAA_Interface Cache_entry_removed 00:E0:00:87:81:FF	A pending or Radius user's profile has been deleted from the Current Subscribers table

4014 AAA_init Cannot_initialize_Radius_Task.	The NSE is unable to initialize the Radius part of AAA on boot.
4019 AAA_Add_From_Current Cannot_add_to_subtable	Unable to add User to the Internal Database from memory.
4020 AAA_init /flash/currFile.dat:_file_size_changed	Occurs on boot when the license key received increases or decreases the licensed number of users.
4020 AAA_init /flash/AuthFile.dat:_file_size_changed	Occurs on boot when the license key received increases or decreases the licensed number of users.
4021 AAA_Interface Added_by_xml_command 00:11:F5:23:37:E4 Exp_time:12 hrs 0 min 4021 AAA_Interface Added_by_xml_command norm Exp_time:Unlimited	XML User Add command issued to add a user to the subscriber database
4022 AAA_Interface Updated_by_xml_command 00:0C:F1:38:CD:9E Exp_time:0 hrs 0 min	XML Update Cache command issued
4100 AAA_lookup Time expired 00:0E:9B:B6:0B:CD 4100 AAA_lookup Time_expired B4:18:D1:02:B3:36 sent_bytes:311578803 rcvd_bytes:51367368	Logged in user's time expired.
4101 AAA_lookup Time_expired__Cannot_remove_in_Auth_File 00:09:6B:93:9E:14	Logged in user's time expired, however the NSE could not remove the record from the subscriber database.
4102 AAA_lookup Time_expired 00:0C:F1:1A:D6:E6	Pending user has been removed from the Current Subscribers list by the cleanup routine.
4104 AAA_lookup Memory_updated__State_valid 00:13:10:52:91:57	A Pending user has been changed to Valid because his MAC address already exists in the internal database of the NSE.
4105 AAA_lookup Not_enough_space_in_memory__Dropped 00:0D:93:EF:CA:44	Subscriber tried to be added to the system but could not because the total number of users was reached and after the NSE performed a clean up of the subscriber database, there still was no space to add the subscriber.
4106 AAA_lookup Added_in_memory_table__Pending 00:0D:97:02:35:90	A subscriber appears on the NSE and has not yet authenticated. This will appear only if AAA is enabled.
4108 AAA_lookup Time_expired__Incoherence_in_Auth_File 00:09:6B:E0:E2:03	The authfile.dat file has become corrupted. To resolve this issue, delete the authfile.dat from the /flash directory and reboot the NSE

4111 AAA_lookup Cannot_Get_from_Room_File	Could not get room corresponding to subscriber from the roomFile.dat. Likely caused by an error opening or reading roomFile.dat or the room is a deleted record.
4115 AAA_lookup Location_changed 00:0C:F1:44:F0:B0 sent_bytes:361 rcvd_bytes:48 4115 AAA_lookup Location_changed A4:B8:05:D9:E0:D8 sent_bytes:0 rcvd_bytes:0 OldPort:3401 NewPort:3410	This occurs whenever a subscriber appears in the Current Subscribers list and the NSE has to learn its settings and Vlans are enabled.
4116 AAA_lookup Time_expired__Incoherence_in_Radius_File 00:40:95:30:3B:CE	The radfile.dat file has become corrupted. To resolve this issue, delete the radfile.dat from the /flash directory and reboot the NSE
4117 AAA_lookup Time_expired__Cannot_remove_in_Radius_File 00:11:24:A0:B0:54	When checking the expiration time of this MAC address the time has expired and we try to create a null entry for it to clear it from the file and it failed.
4119 AAA_lookup Disconnected 00:02:6F:36:BC:F7 4119 AAA_lookup Disconnected 6C:3E:6D:56:28:F9 sent_bytes:88978 rcvd_bytes:2019481	A subscriber has been removed from the Current Subscribers list due to inactivity. The subscriber's profile has not been deleted in this case.
4120 AAA_lookup Tried to add blacklisted IP 192.168.248.1 MAC=00:50:E8:00:81:01) (cnt=1) reason=10	Attempting to add a blacklisted IP address, which in this case is the DHCP server's IP address (reason=10)
4120 AAA_lookup Tried to add blacklisted IP 50.75.126.20 (MAC=00:50:E8:02:86:54) (cnt=40171551) (WAN interface IP)	Attempting to add a blacklisted IP address, which in this case is the WAN IP address
4120 AAA_lookup Tried to add blacklisted IP 50.75.126.17 (MAC=F4:B5:2F:76:CD:F7) (cnt=5029701) (Gateway IP)	Attempting to add a blacklisted IP address, which in this case is the Gateway address of the WAN Interface
4121 AAA_lookup Tried to add blacklisted IP 192.168.3.129 or MAC 00:50:E8:01:5C:C9 4121 AAA_lookup Tried to add blacklisted MAC 00:50:E8:02:95:91 (IP=17.142.167.11) (cnt=251)	Attempting to add a blacklisted IP to subscriber table. IP is "blacklisted" when its one of the IPs known to not belong to a subscriber.
4122 AAA_lookup Tried to update blacklisted IP 66.112.227.3 4122 AAA_lookup Tried to update blacklisted IP 173.225.255.209 MAC CC:EF:48:A8:AA:94 4122 AAA_lookup Tried to update blacklisted IP 10.0.0.4 MAC 6C:AA:B3:31:26:40 (DHCP pool server IP)	A new packet came in on the subscriber side with a Blacklisted IP trying to be added as a subscriber.

4123 a1:b1:c1:d1:e1:f1 volume-based session termination: bought [20971520 up : 262144000 down], used [20973443 up : 19938294 down]	User had the VSA for Max_Bytes_Up or Max_Bytes_down set and was logged out because the limit was reached.
4124 AAA_lookup Virtual_AP_changed 00:90:4B:E5:C3:38 from 0 to -1	Subscriber has moved from wireless to the wired side of the AG 2000/2100.
4124 AAA_lookup Virtual_AP_changed 00:90:4B:E5:C3:38 from -1 to 0	Subscriber has moved from the wired side of the AG 2000/2100 to the wireless side.
4125 AAA_lookup Subscriber 00:90:4B:4E:00:08 roamed from VAP 0 to wired LAN	Subscriber moved from the Wireless side of the AG2000/2100 to the wired side.
4126 AAA_lookup Subscriber 00:90:4B:4E:00:08 roamed from wired LAN to VAP 0	Subscriber moved from the Wired side of the AG2000/2100 to the wireless side.
4151 AAA_Autho Subscriber_tried_to_get_free_access:port_8002	This occurs when a pending subscriber sends a Http Get, Post or Head command to the port listed as this is not supported by the NSE.
4201 AAA_Authentication Unsuccessful__Bad_MAC_address	MAC address trying to authenticate is larger than 12 bytes
4202 AAA_Authentication Unsuccessful__Parameter_length 00:00:00:00:00:00	An 802.1x connection attempt is made with a blank mac address, which is not allowed.
4301 Expired_time Expired_time_entry_will_be_reused 00:11:24:20:6B:D9 sent_bytes:207335 rcvd_bytes:1730868	User has been removed due to Session Timeout
4303 update_Timer_Timeout expired_time_entry_reused 00:14:A5:2A:CD:2B sent_bytes:3046 rcvd_bytes:86497	User has been removed due to Idle Timeout
4304 pending_Timer_Timeout expired_time_entry_reused 00:0F:1F:D1:B0:B6	A user has expired and has been placed back as Pending
4400 AAA_MAC_Table Cannot_add__Not_enough_space 00:00:00:00:00:01	A subscriber was trying to authenticate when the number of licenses has been exceeded
4401 AAA_cleanup_Auth_File Error_while_removing xx:xx:xx:xx:xx:xx	While cleaning up due to Mac authentication, an error occurred.
4500 AAA_AuthProcess_Authentication Unsuccessful__Bad_MAC_address	The response from the credit card server does not contain a valid Mac address.
4503 AAA_AuthProcess_Authentication Unsuccessful__Not_approved_by_CC (resp_code=3) 00:14:51:82:25:96	Failed Credit Card purchase
4503 AAA_AuthProcess_Authentication Unsuccessful__Not_approved_by_CC (resp_code=2) 00:03:93:EA:D8:07	Failed Credit Card purchase
4503 AAA_AuthProcess_Authentication Unsuccessful__Not_approved_by_CC 00:90:4B:F7:0D:A4	Failed Credit Card purchase

4504 AAA_AuthProcess Unsuccessful__Problem_with_Auth_File 00:15:00:1D:8C:29	The NSE was unable to update the subscriber database with the user's information
4505 AAA_AuthProcess Credit_card:successful 00:90:4B:F7:05:11 Exp_time:23 hrs 59 min	Successful Credit Card purchase
4505 AAA_AuthProcess Free_plan:successful 00:0F:1F:13:26:D7 Exp_time:72 hrs 0 min	Successful login after choosing a Free Billing plan
4505 AAA_AuthProcess PayPal:successful 3C:8C:F8:82:D5:51 Exp_time:720 hrs 0 min	Successful login afeter selecting Paypal Billing plan
4507 AAA_AuthProcess Incoherence_between_index_and_Auth_File	Entry in the authfile.dat is corrupt.
4509 AAA_AuthProcess Updated_successfully 00:14:BF:B6:70:0B jstephens	User logged in successfully by user name/password.
4509 AAA_AuthProcess Updated_successfully D0:2B:20:D3:C6:48	User moved from pending to valid
4510 AAA_AuthProcess Not_enough_space_in_memory__Dropped 00:13:10:47:92:9E	There is no space in the MAC_AUTH table in memory to add a new subscriber so it is dropped. This happens when the licensed number of users is reached.
4513 AAA_AuthProcess Login_Failure__MAC_addr_not_in_mem_table	The NSE is trying to clear a failed login attempt, but the Mac address no longer is in memory.
4515 AAA_AuthProcess PMS_failed__Subscriber has_no_port_number 00:E0:98:7F:53:FE	The Mac address has no Vlan tag associated with it and could not bill to the one-way PMS.
4516 AAA_AuthProcess PMS_failed__Room_not_authorized 00:15:00:22:A1:E5	Room has not been created in the Port Mapping list so billing could not occur.
4518 AAA_AuthProcess PMS:successful 00:11:24:7A:58:8E Exp_time:119 hrs 59 min AAA: pmswait:4518 AAA_AuthProcess PMS:successful 8489AD443CD1 Exp_time:96 hrs 0 min AAA: processPmsLoginAccept:4518 AAA_AuthProcess PMS:successful Exp_time:0 hrs 0 min	Subscriber has been authenticated and billed to the Hotel's PMS.
4519 AAA_AuthProcess Subscriber_has_no_right:blocked 00:10:C6:7F:F7:6F	Subscriber tried to gain access on a port blocked in the port mapping table.
4520 AAA_AuthProcess PMS: unknown error while billing 0011F522E90B	When billing to the PMS, a response other than ACCEPT, TIMEOUT, IN PROCESS, or REJECT was received.
4520 AAA_Goahead PMS_failed__Room_not_found 90:72:40:6F:B9:C1 VLAN_ID 810	One-way PMS billing failed because there is no location table entry for the vlan in the port location table.
4521 AAA_AuthProcess PMS: username >< or room >< invalid for MAC 000BDB5B65EF	Unable to post to a two-way PMS because either the room number or name submitted did not match the response.

4521 AAA_AuthProcess PMS: timed out billing username >Ruppel<, room >1609<, MAC 00904BFC1290	PMS timed out waiting for a response from the server to a POST Billing
4600 AAA_Room_File Cannot_Add__Not_enough_space	The NSE was trying to add a port location entry; however the number of entries is equal to the number allowed by the license key.
4703 Cannot aaa_Lookup_SNMP_Resp_Process	Setting the Port info from the Concentrator failed.
4704 Failed snmpMgrQuerySynch 00:50:e8:00:0a:d9	The Port Query of the Concentrator Failed.
4705 snmpMgrQuerySynch: snmp_mini_open	The NSE is unable to make a connection to the device for the SNMP query for port location.
4800 AAA_XML Memory_updated__State_valid 00:14:22:CA:94:07	XML Update Cache command issued (current versions)
4801 AAA_XML Payment_by_PMS 001124988F32	XML User Payment command issued
4904 AAA_Radius Old_radius_resp; 4904 AAA_Radius Old_radius_resp; subType 0	This occurs if the user had already tried to login previously.
4912 AAA_RadiusFile FindEntry_Could_not_find_record	Failed to find the Entry for that Subscriber in the Radius tables.
4922 AAA_CurrFile FindEntry_Could_not_find_record	Failed to find the Entry for that Subscriber in the Currfile.dat.
4923 AAA_CurrFile Add_record_failed	There was a problem with the currfile.dat and the user could not be added to it.
4924 AAA_CurrFile Update_record_failed 4924 AAA_CurrFile Update_record_failed MAC=24:FD:52:82:78:11, position=53	The record could not be updated in the currfile.dat. It could be that the record no longer exists in the file.
4925 AAA_CurrFile Delete_record_failed	The record was not found in the currfile.dat or was in use so could not be deleted.
802_1X: GetDot1xMblk: unable to get mBlk	There is no available memory for 802.1x at the time of this message.
802_1X: Request-Challenge loop detected	The .1x retries/challenge has gotten into a loop and forced a reset and this syslog is generated when the loop is broken.
End of listing by numerical order	

The following are syslogs in alphabetical order	
AAA: aaa_Iws_getSubId failed	The NSE is trying to get the Subscriber ID from the source IP address to determine the Authentication for the subscriber. But failed to find the ID.
AAA: aaalogin:<009>Processing unknown form type: 55	The NSE is unable to determine where the subscriber is logging in from (internal or external login screen).
AAA: Access on a Blocked Port. Port=16	User attempted access on a blocked port. User will receive a message that the port is blocked.
AAA: AddSub: FreeUnits limit in subMemTable/ Elts 2 free 0 MAX_NUM 1.	The subscriber memory table is full and there is no additional memory for it.
AAA: AddSub: Subscriber table has become filled to capacity (250),	The total number of users exceeds the number of licensed subscribers as listed in the message. The subscriber will receive a 'too many users' message.
AAA: AuthFile_updateEntry: reached limit of 40 subscribers for group account 'expat'	The maximum number of user allowed in the group account has been reached.
AAA: authenInAuthFile can't getSub pos: 127 mac: 00:90:4B:FF:34:32	Cannot retrieve information about the Subscriber with that MAC address that is in that Position in the Authfile.dat.
AAA: authenStateValid XML CC MAC not in: 00:0F:1F:1E:51:3D	The NSE performed a lookup for user/password and found a group account that matches.
AAA: authenStateValid XML PMS MAC not in: 00:11:25:31:B0:7F	When trying to update the subscriber database from memory using the XML Update Cache command, the update failed because the subscriber's Mac address does not exist in the subscriber database.
AAA: AuthFile_cleanUp: removed 3 records	Records were removed from the authfile.dat during a cleanup process. This occurs after a reboot or when the authfile is near its user count limit.
AAA: Could not add user to radius caching file, file is full: 00:0E:35:36:8D:84	A new entry was trying to be added to the radfile.dat, however the file was full and it could not be added.

AAA: Error in Subscriber Logout Process	When the End-Of-Day Attribute enabled
AAA: Excess Radius Class attribute dropped	If an authentication response contains more than 3 Class attributes, it would discard the excess ones.
AAA: Failed to create file to save timestamp	The NSE was unable to create the timestamp file.
AAA: fillSubsDumpToFile failed	An error occurred when moving the subscriber from memory to the authfile.dat
AAA: GetSessionManagerForSubRoundRobin(port 0): Created iterator for round-robin NAT IP address assignment	The assignment of a Multi-NAT IP address was successfully started/created for a user
AAA: Group BW limit received invalid policy ID: 22459405	The configured Policy ID is invalid.

AAA: InitCCSeqnum: Failed to read sequence number	The NSE cannot read the credit card sequence file.
AAA: Non-valid subscriber timed out AAA: Non-valid subscriber timed out: mac 88:32:9B:33:2E:AD, bytes sent 59506, bytes received 1311508	A pending user was removed from the Current Subscribers screen.
AAA: Payment_User: password is required	An XML User_Payment was received without and entry for the password field, which is required.
AAA: Pending subscriber timed out: mac 00:90:4B:B7:25:09, bytes sent 11862, bytes received 221334	A pending user was removed from the Current Subscribers screen.
AAA: pmsPostXmlStatus() Q push failed	The NSE has failed to send the user status message.
AAA: PrintServ Redirect Failed	The redirect to the Printer Server IP address failed.
AAA: ProcUserPayment: USG_XML_MISSINGDATA (room number)	An XML command was processed and failed because the room number was missing.
AAA: removeSubscriberToqJob (sub=00:19:E3:D4:4C:F3): session timeout TOQ job removed at time 1212605530	A subscriber session has been removed from the session table.
AAA: Unable to bill: both duration + plan # invalid	XML post for an X over Y plan contains a plan > 5 and an unknown duration
AAA: Unable to realloc unicode_passwd in ntpwd_hash	When hashing the password, the NSE changed from ASCII to Unicode, however the change failed.
AAA: updating sub_memexp in AuthFile	Subscribers Memory Expiration time has been updated being added via XML with countdown after login, or logging in using a group account (ver. X.4.2)
ACC_CTRL: access control initialization failed ACCESS CONTROL Access_control_initialization failed	Access Control was not able to start.

ACC_CTRL: failed to delete record from data array	Failed to delete a record from the Access Control list because it is missing or corrupted.
ACCESS_C: failed to delete record from data array	Unable to delete an entry from the Access Control list.
ACCESS_C: Incoming packet from 193.109.122.46:2332 to port 23 discarded due to access control. ACC_CTRL: Incoming packet from 175.179.215.7:30512 to 201.65.94.19:23 discarded due to access control.	An incoming telnet packet was blocked due to telnet being blocked on the NSE.
ACCESS_C: Incoming packet from 219.136.187.231:34180 to port 21 discarded due to access control.	An incoming ftp packet was blocked due to ftp being blocked on the NSE.
ACCESS_C: Incoming packet from 59.144.126.119:45423 to port 22 discarded due to access control	An incoming SSH or SFTP packet was blocked due to SSH or SFTP being blocked on the NSE.
ACCTLOG: 0010 fseek error	An error occurred when accessing the acctlog.dat.
ACCTLOG: 0011 fread error	The NSE was unable to read the Acctlog.dat. Deleting this file and rebooting the NSE will resolve the issue.
ACCTLOG: 0012 fwrite error	An error occurred when writing to the acctlog.dat.
ACCTLOG: 0013 fopen error	An error occurred opening the Acctlog.dat.
ACCTLOG: addRec failed	The NSE was unable to add the Radius Accounting information acctlog.dat
ACCTLOG: failed to create new acct log file	There was no acctlog.dat file on the flash when it booted and was unable to create a new one because the first valid record does not have an index of 0.
ARPD: cannot enqueue arp request	When creating the dynamic Arp table, the Arp to the subscriber/device failed.
ARP: Failed to send periodic gateway ARP refresh on WAN interface Eth1 to gateway 50.244.78.174	The periodic asrp refresh from the NSE failed to get a response from the gateway address.
BFSM: Boot FSM - state: STABLE, event: REBOOT BFSM: Boot FSM - state: STABLE, event: REBOOT_RQST	Beginning with version 2008.3, when they system reboots, it displays the reboot request and the state of the unit at that time.
BFSM: Boot FSM - new state: STABLE	Beginning with version 2008.3, after the unit reboots, the state of the unit is displayed.

Cannot UpdateInfo for 0x0050e80196fe00123f0af7a0080045000030a19a40008006cb20ac14 0xffffffffffff00123f0af7a0080045000030a19a40008006cb20ac14	This message usually indicates that the user may have be doing IP spoofing and potential ARP poisoning attacks (including TCP SYN scans with spoofed source IP). The mac address in red is one of the subscriber cards on the AG and the address in green is the user that is sending this packet. When the mac address in red is ffffffffffff, then the user is sending packets using the broadcast mac address, and all users on the network will see this packet and will affect things that use broadcast, such as DHCP.
Cannot UpdateInfo (reason 0) for (2008.3 or later)	Subscriber update was successful
Cannot UpdateInfo (reason 1) for (2008.3 or later)	Tut system is taking subscriber's IP address.
Cannot UpdateInfo (reason 2) for (2008.3 or later)	Subscriber trying to update its address with a blacklisted address.
Cannot UpdateInfo (reason 3) for (2008.3 or later)	Subscriber is trying to update itself with an IP address already in use by another user.
CAUTHEN: excess request removed from list	The NSE has cleared old centralized management request.
CAUTHEN: invalid ID in HTTP authentication (v 7.1.008 and later)	The Authentication ID for the Centralized Authentication is invalid so the Centralized Authentication can't initialize properly
CAUTHEN: invalid parameters for init authentication	Name and/or password is missing or invalid length
CAUTHEN: Set: parameters changed successfully (v 7.1.008 and later)	Centralized Authentication settings have been changed.
CAUTHEN: user added to cache (v 7.1.008 and later)	A user has logged in using Centralized Management
CAUTHEN: user removed from cache	A user that was logged in with Centralized Management has timed out.
CFS: file: AuthFile.dat synchronization bypassed	When the NSE reboots and the memory cache for the authfile has not changed, this message is posted since the authfile does not need to be updated.

CFS: file: /flash/AuthFile.dat synchronized from cache CFS: file: /flash/RoomFile.txt synchronized from cache CFS: file: /flash/currFile.dat synchronized from cache CFS: file: /flash/dhcplease.txt synchronized from cache CFS: file: /flash/pmsRdirXmlQ.dat synchronized from cache CFS: file: /flash/pmsRedir.dat synchronized from cache CFS: file: /flash/radFile.dat synchronized from cache CFS: file: /flash/radXmlQ.txt synchronized from cache	File has been updated from cache memory.
CLI_SR: 0244 CLI Serial session 1 closing CLI_SR: 0244 CLI session 2 closing	Serial connection has logged out
CLI_SR: 0254 Requesting reboot	Reboot request via serial
CLI_TN: 0244 CLI session 4966 timed out	Telnet session has timed out
CLI_TN: 0244 CLI SSH session 0 timed out	SSH session has timed out
CLI_TN: 0244 CLI Telnet session 830 closing	Telnet session has logged out.
CLI_TN: 0254 Requesting reboot	Reboot requested via telnet
CLISRD: 0208 Serial FIOBAUDRATE Error	AG 2000/2100 only. During initialization, the AG tries to initialize the serial port which does not exist.
CLISRD: 0216 Serial session 1 spawning	Serial connection started
CLISRD: 0220 Serial session 1 timed out	Serial connection has timed out
CLISRD: Starting CLI on the serial port	Serial port has been set to CLI
CLISRD: Starting PMS on the serial port	Serial port has been set to PMS
CLISRD: Unexpected return value from pms in cliSrD:	Something is being sent to the serial port when PMS is enabled and it is not a PMS control character
CLISRD: writeBufferedSerialOutput(): bad FDs	The File descriptor that shows what needs to be written out is not correct.
CLITND: 0234 Telnet session 830 spawning	Telnet session has been started
CLI_TN: 0244 CLI Telnet session 121 timed out	Telnet session as timed out
COMMON: ExternalTcpSite::SetUri(): empty DNS name	No DNS name was entered in one of the entries for Login Page Failover.
COMMON: nseSplitUri(): invalid hpath separator	The URL that the NSE received has an invalid separator such as http://www.google.com?search.
Config: AUTOCONFIG: Authentication Request sent to Radius server.	Authentication request sent to Radius server when Auto Configuration is enabled.
Config: AUTOCONFIG: ftpXfer() failed	The NSE was unable to transfer the files from the ftp server.
Config: AUTOCONFIG: Fetch config file list from ftp server failed	The NSE was unable to receive the cnfglist.txt from the ftp server.

Config: AUTOCONFIG: No RADIUS response.	No response was received from the Radius Server when Auto Configuration is enabled.
DATLIB: packet received on a closed dat session. Unmapping Old session.	Response received for a session that was already closed. This could be caused if a user closes a web page before it fully loaded.
DDNS: ConnectSocket : connect failed for ip:63.208.196.92, port: 443, errno: 0x3c	The NSE was unable to connect to the DynDNS server.
DDNS: DynDnsConnSocketProto::ConnectSocket : failed to resolve>ns1.mydyndns.org<	The NSE was unable to update the record because the name does not exist.
DDNS: Dynamic DNS update successful:xx.xx.xx.xx	Dynamic DNS record was updated with the displayed IP.
DDNS: Not proceeding with Dynamic DNS update since IP did not change	Dynamic DNS is enabled; however it is not updated because the IP address of the NSE has not changed since the last update.
DDNS: Will not carry out update: please correct a hostname-related problem first	The NSE is unable to update Dynamic DNS because there is a problem with the host name.
DDNS: Will not carry out update: waiting for a change to username and/or password	The last attempt to update the DDNS failed the login and there hasn't been a change to the Username and/or Password. Make a single change to either one of them even if it is to delete and re-type a character and it will allow the DDNS to re-attempt the update.
DHCP: choose_lease: giving infinite lease: IP 172.27.172.72 haddr 0x000f1fbff225	A Bootp client is requesting a DHCP lease so we give an infinite lease because BootP requires a static IP.
DHCP: DHCP client: ip 146.7.42.15, netmask 255.255.255.0, gateway 146.7.42.254	This is generated when the NSE is configured to receive its IP address through DHCP client and shows the address it has received.
DHCP: dhcpBufGet: netTupleGet failed S_netBufLib_NO_POOL_MEMORY	There is no memory in the buffer for DHCP to get an MBlock.
DHCP: dhcpClientRelay: htype or hlen error in msg	The NSE received a malformed DHCP packet and was not processed.
DHCP: DHCPInit: could not start DHCP Server	DCHP server did not start
DHCP: DHCPInit: server and relay are OFF	DHCP services are disabled
DHCP: ndxDHCPInit: 0021 DHCP initialized	DHCP services have been started

DHCP: DHCPInput: not dhcp packet DHCP: DHCPInput():not DHCP packet (len=146, ip_off=4000,ip_len=132,ip_hl=05), interface 0, dropping.	The length of the packet that has a DHCP header is incorrect for a true DHCP packet.
DHCP: DHCPInput: rngBufPut(privateEventRing) failed	The NSE received a NAK from the DHCP relay server and the lease offered was not available.
DHCP: DHCPInput: Wrong port DHCP: DHCPInput():Wrong port, interface 0, dropping	This appears to be a DHCP packet but for a non-DHCP port and the NSE does not process it
DHCP: dhcpIsValidPacketAndLength: invalid ip_len	The length in the packet is larger than what the actual length of the packet is.
DHCP: DHCPLeaseHook: error renaming lease.txt	An error occurred while creating a new least.txt when one does not already exist.
DHCP: DHCPLeaseHook: open failed	When the NSE starts up and tries to open the lease.txt but cannot either open or find the file.
DHCP: DHCP lease file /ndx_cache/dhcplease.txt:1 has been synchronized, 4031 leases recorded, 1351 active	DHCP lease file has been updated from memory.
DHCP: dhcprStart: fragment	The DHCP request came in as a fragment which is not supported and is dropped by the NSE.
DHCP: DHCPServerInit: error initializing DHCP server	DHCP server did not initialize
DHCP: dhcpsInit: read_addrpool_file failed	The NSE was unable to read the DHCP address information on boot.
DHCP: dhcpsInit: read_bind_db Failed	Reading in the binding database from the lease.txt failed during initialization.
DHCP: dhcpIsValidPacket: bad cookie 2b4d395a	The NSE has received a packet on the DHCP port, and does not have the correct DHCP Magic Cookie. Most likely this packet is not a DHCP packet at all.
DHCP: dhcpsStart: dst port (68) not DHCP server port	This indicates that there is another DHCP server on the subscriber side of the NSE
DHCP: dhcpsStart: Invalid DHCP options packet	This means that the client sent an invalid DHCP cookie. If this is seen, it could mean data errors in network or a non-compliant DHCP client.
DHCP: dhcpsStart: invalid IP header	A packet was received on port 68 (DHCP) that was not a DHCP request.

DHCP: dhcpsStart: MAC: 00-00-39-3A-19-DF has Server src port and dst port (68) DHCP: dhcpsStart: MAC: 00-16-6F-01-0D-D8 has Server src port and dst port (67)	This indicates that the Mac address listed is advertising itself as a DHCP server
DHCP: dhcpsValidateDequeuedMessage(): dst port (68) not DHCP server port	This indicates another device on the subscriber network is acting as a DHCP server
WARNING DHCP: dhcpsValidateDequeuedMessage(): invalid IP header	The NSE has received a fragmented DHCP packet and is unable to process it.
DHCP: discover: get_cid failed	The Client ID was not in the Discover packet that was received
DHCP: dump_bind_db: cannot open the binding database.	The NSE is trying to open the lease.txt to write to it and it failed
DHCP: dump_bind_db: could not stop and close the bind DB	The NSE could not update the lease.txt
DHCP: free_bind: could not find corresponding binding in bindlist	The NSE is trying to clear a lease from the lease file, but it has already been cleared.
DHCP: garbage_collect: dangling bind structure bindptr->data = 0x37ff140 cid = 0x000000000000 IP = 10.0.0.37 -- I	The NSE code attempts to clean up DHCP bindings that have been turned off and a subscriber in the subscriber table appears with the same ip address
DHCP: icmp_check: BAD... conflict: Req: MAC 00-10-60-28-10-07; In SubTable: IP 192.168.4.21 MAC 00-90-96-AC-46-43 DHCP: ip_conflict_check: BAD... conflict: Req: MAC 6C-40-08-05-AE-17; In SubTable: IP 192.168.1.254 MAC 1C-1D-86-26-54-41	This happens if the DHCP lease the NSE wants to hand out already exists in the Subscriber table. If it does, then the NSE will skip this lease and go on to the next one
DHCP: ndxDHCPInit: 0022 DHCP initialization failed	DHCP failed to initialize
DHCP: nomadixForwarding: error relaying client message	The NSE could not send the DHCP relay message to the network for some reason. A possible cause would be that it would require fragmenting the request.
DHCP: Offer lease too big (1): expire: 1144400701 curr_epoch: 1144082970 currentTime: 1144082970 offer: 317731 default: 3600IP: 172.27.173.25 haddr: 0x00166f301f12	This occurs if the expiration on the lease is a lengthy one. This usually occurs when the time on the NSE is incorrectly set.
DHCP: public IP unavailable for upsell	Beginning in 2008.1.005, when the system is set for IP Upsell and the public pool is out of leases, the subscriber will receive a lease from the private pool and this message is generated.

DHCP: read_addrpool_file: Bad DHCPOOLS.TXT copied to BADPOOLS.TXT DHCP: read_addrpool_file: Bad DHCP Pools copied to BADDHCPPOOLS.TXT	When initializing, the NSE determined that the DHCP pool was corrupt and backs it up in order to create a fresh file.
DHCP: read_addrpool_file: Error found on Pool #	The Pointer to this pool shows that it has an invalid record in it so will not be initialize during bootup.
DHCP: read_addrpool_file: Error found on Pool (server IP 10.33.24.1, mask 255.255.252.0)	Not a valid DHCP pool entry.
DHCP: read_addrpool_file: no good DHCP pool entries found.	No valid DHCP pools were identified when trying to initialize the DHCP server so the NSE will reboot and revert to the default DHCP settings.
DHCP: read_addrpool_file: Please reboot to restore default DHCP pool	This follows the Bad DHCPOOLS message and the NSE should be rebooted.
DHCP: read_bind_db: can't find resource "usg1a010348" in nmhashtable	This occurs if the DHCP Lease pool settings have been changed in the NSE and the lease is not part of the new pool.
DHCP: read_bind_db: read_cid failed	The NSE was unable to obtain the Client Identifier from the database.
DHCP: read_bind_db: read_subnet failed; cid of entry: "0x000e"	When looking in the DHCP binding database the Subnet field for the subscriber was 0 which is an error.
DHCP: request: get_cid failed	When processing the DHCP request from the subscriber no Client ID was found in the packet.
DHCP: send_dhcp: couldn't send DHCP message: OK	The NSE could not send the DHCP packet to the subscriber. on the wire.
DHCP: send_dhcp: couldn't send DHCP message: S_dosFsLib_FILE_NOT_FOUND	The memory block that had the DHCP message to send was freed before sending the message.
DHCP: turnoff_bind: binding passed is NULL!	This can happen if the code tries to turn off a resource because there's someone on the subscriber side that is already using that address. In this case, if the resource does not have a corresponding binding, this syslog will result.
DHCP: turnoff_bind: hash_del for client ID "0x000000000000" failed	The NSE failed to remove the client from the hash table of leases. It will try again to perform this action.

DHCP: usgDHCPAddressHook: fread failed	This is displayed when the NSE initializes DHCP during the boot process
DHCP: usgDHCPInit: could not start DHCP Server DHCP: usgDHCPServerInit: error initializing DHCP server	DHCP server could not be initialized when the NSE rebooted.
DHCP: usgDHCPLeaseHook: error deleting lease.txt	The NSE is unable to delete the lease.txt
DHCP: usgDHCPLeaseHook: error writing lease.txt	The NSE is unable to write to the lease.txt
DHCP: Warning: DHCPDISCOVER - No available addresses in pool 192.168.0.0	No more leases available in subnet 192.160.0.0 when using subnet-based DHCP
DHCP: Warning: DHCPDISCOVER - No available addresses.	No more leases available

DNS: dnsRedirectFromSub(): GetDNSServerIP failed	This occurs when the when redirecting the DNS packet and the DNS server cannot be found.
DNS: ndxDNSRedirectionTable::processFromNetwork(): could not get subid	This syslog suggests that we could not get the subscriber associated with a particular DNS redirection request.
DNS: ndxDNSRedirectionTable::processFromNetwork(): duplicate reply or reply without request	The NSE has received a DNS reply from the network side but does not have a matching request
DNS: ndxDNSRedirectionTable::processFromSubscriber(): dnsIsQueryA() failed	The NSE has received a DNS packet that was not a valid DNS query and is not processed.
DNS: ndxDNSRedirectionTable::processFromSubscriber(): dnsLimitUdpPayloadSize() failed	The DNS packet received was not correctly formatted, or not a DNS packet at all.
DNS: ndxDNSService::FromNetwork(): not from DNS server, count=4, srcIp=209.170.120.46 DNS: ndxDNSService::FromNetwork(): not from DNS server, count=1168164, srcIp=173.225.255.214 on port WAN	The NSE has received a DNS packet that came in from a Non-configured DNS server
DNS: ndxDNSService::FromSubscriber(): Unable to determine if redirection is needed	The NSE was unable to redirect the DNS request.
DNS: ndxService::processKnownNames(): dnsIsQueryA() failed	The NSE has received a valid DNS query, which failed.
DNS:ndxDNSRedirectionTable::dnsSubPktForRedirectionTable(): GetSubId() failed	This syslog suggests that we could not get the subscriber associated with a particular DNS redirection request.
DNS: ndxDnsConfigInit: setting primary WAN portNum: 0 pDmIndex: 1	Sets the NSE to use the proper primary WAN for system DNS resolution.
DNS: ndxDnsConfigInit: setting DNS settings for DNS rowIndex: 1	This ensures that the DNS configs are used from the set configs for IPv4

DNS: FromSubscriber: aaaram excl unavailable	An issue occurred with DNS redirection through a tunnel.
DNSSEC: Downstream connection dropped due to lack of resources	There were 20 concurrent DNS queries using TCP transport protocol and a new query arrived. The NSE will close 5 sessions and generates this syslog.
DNSSEC: Downstream 'processConnectFailure()	Caused by possible DNS configuration error.
DNSSEC: dnssecConnection::accpt - Connection accept failed	The TCP connection for DNS between the user and the NSE failed.
DNSSEC: dsMgr::processPacketFromPartner - stale response dropped	A response came from the DNS server and the session has already been clean up or the client dropped the connection.
DNSSEC: Invalid packet length: 4930	DNS packet is larger than the supported size of 4096
DNSSEC: usMgr::packetReceived - Unable to route DNS response	The NSE received a DNS response, however the requested connection to the user no longer exists.
DSTHTTPR: Added 'www.testurl1.com' Destination HTTP Redirection object	A HTTP redirection URL has been configured.
DSTHTTPR: Removed 'www.testurl1.com' Destination HTTP Redirection object	A HTTP redirection URL has been removed.
ERROR AAA: aaa_Iws_PMS_Micros_Process: called from the wrong state	A user tried to bill to the PMS from either a port that has been blocked or the user was already a valid user on the NSE.
ERROR T8601: Time 8601 parsing error	Did not receive a number for the time zone when trying to parse the time information mainly for the Radius Expiration attribute.
Error, IPSEC has no SPs defined	There are no Security Profiles Configured for the IPSEC Tunnel
FILE UPG: ndxFileUpgradeManagerClass::processFilesRegisteredForUpgrade(): upgrading /flash/filename	Indicates that the file listed has been upgraded after the reboot of the system to X5.
FTPD: FTP session ipftps_1295 spawning	FTP session created to the NSE
FTPD: Active FTP session ipftps_5402 timed out	FTP session to the NSE has timed out
GetTime:: Server: [whyme.ntp.org], timeout: [5] seconds...Failed	Unable to connect to time server

GOA: No transaction key for credit card transaction	The transaction key has not been set in the credit card settings.
GOA: Radius challenge received, treated as reject	A Radius Challenge was received and was not from a.1x client and was rejected.
GOAH: socketAccpet(): ssl could not be opened: /ndx_sslio//flash/server.pem:/flash/cakey.pem:53:nbio	SSL certificates are either missing or corrupt and cannot be loaded,
GOAH: socketAccept(): accept error 53	A socket is being closed before it can be processed.
GOAH: socketAccept(): accept error 55	When trying to clean the socket, there was no available buffer space to accept an incoming connection.
GOAH: socketAccept(): accept error 70	A socket is no longer available and cannot be connected to.
GOAH: socketFlush(): socket error 32, closing. GOAH: socketFlush(): socket error 60 (goa sid=4, real sd=109), closing.	When trying to clean the socket, it was already closed.
GOAH: socketGetInput(): socket error 54, closing	A socket was open but did not receive the correct information to proceed.
GOAH: socketOpenConnection(): socket opened on port 1111 (goa sid=0, real sd=45) GOAH: socketOpenConnection(): socket opened on port 1112 (goa sid=1, real sd=49) GOAH: socketOpenConnection(): socket opened on port 2111 (goa sid=2, real sd=51 GOAH: socketOpenConnection(): socket opened on port 3111 (goa sid=3, real sd=52)	Sockets open and reserved up boot.
GOAH: websGetInput(): processing a simple HTTP request	A simple http request was received with header fields to process.
GOAH: websTimeout(): closing socket due to timeout	The web request timed out because the NSE didn't receive any data from the subscriber's browser before the timeout hit so the socket is closed.
GOAHEAD: socketReady(): socket error 54, closing	Socket was in ready state with buffered data and was closed.
HASHTBL: hashFind(): Error, invalid hash pointer	When doing the lookup for the Hash Table the Pointer is NULL
HASHTBL: hashFind(): Error, invalid parameters	Either the Hash pointer or the data in the Hash is NULL when the lookup for the Hash happened.
HOSTADDR: DNS resolve request ignored	A passthrough address was to be resolved, but was removed before the resolution completed.

HOST_PAS: dnsNameStore::insertDNSName(): duplicate DNS name exists HPT: dnsNameStore::insertDNSName(): duplicate DNS name exists	This is generated when the Passthrough Address and URLFiltering DNS names are being resolved, and more than one entry resolves to the same address.
HOST_PAS: dnsNameStore::insertIPAddr(): duplicate IP address exists HPT: dnsNameStore::insertIPAddr(): duplicate IP address exists	An IP address being added to the passthrough list already exists.
HPR: iccRedirect::ProcessGetRequest>>> Error getting ICC info for subscriber 000F1F144156.	Could not get the Subscriber info, State type, or Status for this subscriber.
HPT: HptDNSNameTable::insertUrl(): IP_addr:port_num format not supported	An IP or Port number was added to the Passthrough Address list and it is not supported at this time.
HPT: HptDNSNameTable::insertNameForAlias(): alias not found	An error occurred when trying to resolve the alias for a passthrough address
HRS: checkForRedirectLoop (2): submac aa:aa:aa:aa:aa:aa to 172.16.106.57:80	The NSE is preventing the Redirect where the IP of the redirecting page is not in the DNS cache for a Passthrough address but the HOST is
HRS: (HrsTask34) Excessively large HTTP command received, cannot buffer it.	NSE received an HTTP request that is larger than 8Kb in length from a pending subscriber and drop this request
HRS: Missing Host header, set to '63.80.242.57'	The NSE is attempting to redirect an HTTP session and it discovers that the HTTP request does not have an HTTP Host header. It may indicate that the request was not generated by a web browser because browsers normally include the Host header. The NSE pretends the Host header was filled in by using the destination IP (which is in the syslog) for further processing.
HRS: httpRedirect::Process: Failed to open SSL connection	HTTP Redirection is failing to establish SSL connections.
HRS: httpRedServerRun: getpeername() ERROR.	The lookup for the subscriber's info failed. Most likely the user is no longer connected to the NSE.

HRS: Redirects attempted 15255, tasks spawned 14000, short circuits from redirect task 1155	The NSE has detected non-http traffic that is being redirected by the HPR function and kills the connection since it cannot redirect the session.
HRS: ....Re-initializing subscriber proxy discovery state	The NSE is trying to determine the proxy state of a user after receiving conflicting proxy information.
HRS: trying to proxy for stack 00:E0:B8:6D:C9:37	This subscriber is trying to send a proxy request to the NSE's IP address.
HSG_LK: key not found USG_LK: key not found	The license key was not found on the license key server
HTTP PRO: proxy AppendRequest(): Cannot not get a new mblk	This occurs when the NSE tries to clear a memory block so it can copy an old proxy request to it there was no space for it.
HTTP PRO: proxyBufGet: cannot get a PROXY BUF	Cannot get a Buffer from the proxy buffer pool. Could be caused if there are no more free proxy sessions.
HTTP PRO: proxySubDNSComplete(): proxydata is NULL	The NSE was doing a DNS request thinking that it was a proxy request, however Proxy = NULL and sends this syslog
HTTP PRO: proxySubFormHeaders(): proxydata is NULL	The pointer to this proxy data is NULL which means it was has already been cleared.
HTTP PRO: proxySubProcessSYN: cannot get a PROXY ALG HTTP PRO: proxySubProcessSYN: cannot get a PROXY ALGInfo	When handling a SYN from a subscriber if there are no Proxy ALG's available two iterations of the cleanup routine run. If there are still none available this message is generated.
HTTP PRO: proxySubProcessSYN: cannot get cleanup a PROXY ALG HTTP PRO: proxySubProcessSYN: cannot get cleanup a PROXY ALGInfo	All proxy sessions are being used, and no new ones can be created.
HTTP PRO: proxySubTOQDelete(): attempt to delete an unmapped or a remapped session	When trying to clear a Proxy connection the TOQ for that session was actually re-mapped so it wasn't free to clear.
HTTP PRO: proxySubTOQRTX(): attempt to use an unmapped or a remapped session	Proxy Transmit tried to use an unmapped or remapped session which is not allowed.
HTTPS: httpServerRequestLoop: errno – 53 HTTPSVR: httpServerRequestLoop: errno - 53	A connection to the Web interface was opened and closed quickly.

h245: h245Subscriber: Failed to map a session	H.323 transaction that failed to map properly.
H323 ALG: h323Network: prior session exists. Deleting it	A new H323 session is being requested although the session already exists. To avoid a duplicate mapping, the first one is deleted a new one created.
ICMP: icmpNetwork 4 error giving smartNatSem	When Giving the Semaphore for the ICMP packet to be passed, the ICMP type is an unknown type.
ICMP: isIcmpForMappedSession(1) failed to take semaphore	When trying to obtain a Semaphore for a mapped ICMP session the Semaphore was not available.
IF_MONIT: Monitoring result on xxx interface is 1:Unavailable	Interface monitoring shows this port as Unavailable
IF_MONIT: Monitoring result on xxx interface is 2:Available	Interface monitoring shows this port as Available
IF_MONIT: Changed monitoring state of xxx interface to 2:Available	Interface monitoring shows that the port status as changed and to which state.
iNAT: Address selection couldn't find subscriber	The user that the session was created for no longer exists in the current subscribers table.
iNAT: addStaticEntry: nataddress and natport already being used	Selected Ports and address are already in use and cannot be configured for Static Port Mapping.
iNAT: addStaticEntry: subscriber IP/port already mapped with remote ip/port	This Static Port mapping already exists.
iNAT: clean: 0 remoteport for nat IP = subscriber IP	The Destination port from the subscriber is 0 which shouldn't happen.
iNAT: cleanIPsecAddress(): couldn't find address binding for c2f843c8 -> d293d441	When searching the DAT mappings the NSE could not find a session for these two IP addresses.
iNAT: cleanPPTPAddress(): couldn't find address binding for 8c38d33f -> 7f75f347	When searching the DAT mappings the NSE could not find a session for these two IP addresses.
iNAT: createNewSessionIfAppropriate(): non-SYN packet received on deleted or nonexistent TCP session. 101 total occurrences. Most recent: (proto=6, sub ip:port=172.20.0	The NSE has received a packet from a subscriber on a TCP (proto=6) connection that was already closed or that does not exist.

iNAT: createNewSessionIfAppropriate(): second-or-later fragment received, cannot create session 8221483 total occurrences. Most recent: (proto=17, sub ip=172.21.2.229, rem ip=146.23.30.136)	The NSE will not create a new session because the packet is a fragmented.
iNAT: datSessGetNext: error taking sem	The NSE was unable to display the DAT table when requested from the web or command line interfaces.
iNAT: failed to delete record from data array	The NSE could not remove the address or range from the INAT pool.
iNAT: GetAddress(): Existing ESP session node for new address	When trying to create a new session for ESP, an identical session is found and this message is generated.
iNAT: GetAddress(): Existing GRE session node for new address	A session already exists and the client is trying to create a new one to the same address.
iNAT: GetAddress(): Made ESP: Couldn't get Address Binding	When setting up an ESP connection the NSE could not retrieve a Semaphore for the Address Binding.
iNAT: GetAddress(): Make GRE: Couldn't get Address Binding	When setting up a GRE connection the NSE could not retrieve a Semaphore for the Address Binding.
iNAT: GetAddress():Found ESP couldn't find address binding	When setting up a ESP connection the NSE could not retrieve a Semaphore for the Address.
iNAT: GetIPsecAddress(): couldn't add bind to table	The NSE could not add a mapping to the Binding table for an IPSEC connection
iNAT: GetIPsecAddress(): no address available	No addresses available in the iNat pool
iNAT: GetPPTPAddress(): couldn't add bind to table	When trying to bind a PPTP session to the session table it failed.
iNAT: GetPPTPAddress(): couldn't get a bind	The Pointer to the PPTP address is incorrect so no Binding is present
iNAT: GetPPTPAddress(): no address available	No addresses available in the iNat pool
iNAT: GetSpecificAdressPort(): can't get port for address 9750e994	If the address received to create the mapping isn't the NSE's, then it returns that it can't get a port for the specified address.
iNAT: iNAT::addStaticEntry:GetspecificPort FAILED for 9750e994/8105	Adding a Static entry for Port 9005 Failed for IP 130.252.109.67 (hex IP)

iNAT: ndxInat::FromSubscriber(): Session Rate Exceeded1: 00:80:C8:09:3A:4B iNAT: isRateLimitExceeded(): Session Rate Exceeded1: 00:25:00:45:28:14 iNAT: Session rate limit exceeded, most recent MAC is 9C:FC:01:5A:83:45, cumulative count is 16273998	This occurs when Session Rate Limiting is enabled and the subscriber has reached the configured limit.
iNAT: packet received on a closed iNat session. Unmapping Old session. iNAT: Packet received on a closed iNat session.Unmapping Old session. p=6, sip=510b010a, sp=59024, rip=51b8f811, rp=443, nip=33bc41b5, np=8419, tvs=1519613992, sts=1519613455	This indicates that the NSE has received a packet for a client session, but that session is no longer open.
iNAT: removeStaticEntry: can't find static session	This is generated when a session lookup returns as null.
iNAT: sessionNodeMap(): Got a port with a mapped session	The returned port for the session that is trying to be mapped is already mapped.
iNAT: sessionNodeMap(): Got already mapped session for- NAT 153e88d8/0 -> DEST ffad1bac/138 protocol 17	A session is already mapped for this defined address and information so no new session is created.
iNAT: sessionNodeMap(): mapping an in use session	The session being mapped is identical to an existing one so no new session is created.
iNAT: sessionNodeMap(): sessionNTable.Add() failed	Generated when adding a Node to the Session Table Hash fails. Possible failure to create DAT Session.
iNAT: sessionNodeMap: cannot get a NETWORK Address iNAT: sessionNodeAlloc: cannot get a NETWORK Address	A Network address for the DAT Session (IPSEC OR DAT) could not be allocated.
iNAT: sessionNodeAlloc(): Conflicting session found. 55 total occurrences. Most recent: NAT 201.65.94.19:21969 -> REM 104.112.212.224:443 protocol 6 (sub 172.18.5.169:59048, other sub 172.18.7.232:54658	This is when there are possibly 2 sessions being created for ESP from different guests without NAT-T outside of INAT.and Rate limit of syslogs happens
iNAT: sessionNodeMap: cannot get a NETWORK PORT	When the NSE tries to create a DAT session for the subscriber and the return value is not an address a port cannot be opened for the session and this message is generated.
iNAT: sessionNodeMap: cannot get a SESSION	No more available sessions to available for subscribers at this time.
iNAT: Static port-mapping couldn't add file entry into Tables	The port mapping entry attempt failed.
iNAT: Static Portmapping: Session with external port 5001 invalid. Port in internal use by the gateway. Session will not be used	A static port mapping attempt was made for a port that is already in use and is dropped.

iNAT: Static portmapping: Session with external port xxxx will only take effect upon reboot (port in use)	The NSE is currently using the port xxxx as an ephemeral port and this will be made available when the system reboots.
iNAT: SYN received on closed session still in TIME_WAIT period, dropping it. Count=59900, most recent: (sub ip:port=172.18.15.65:52560, nat ip:port=201.65.94.19:59378 rem ip:port=5.254.149.246:32960)	When there are SYN packets showing up on a closed session even though it is still in TIME_WAIT is to keep from opening a session that is already there. This syslog is rate limited.
iNAT: UDP clean: 0 remoteport for nat IP = subscriber IP	Occurs when a UDP session with the NAT IP is the default NSE IP with 0 as the Port.
INIT: 0042 Static_route_initialization_failed	When the NSE is initializing, added static routes did not initialize.
IPSEC: IKE peer configuration file not found.	The IKE peer configuration file was not found or the IKE information was missing in the peer configuration.
IKE: Tunnel negotiation timeout after repeated retries	The NSE could not negotiate the IPSEC tunnel.
IPSEC: SP1: IPSec AH Tunnel is DOWN (no IKE channel)	The AH portion of the IPSEC connection failed to negotiate and initialize.
IPSEC: SP1: IPSec ESP Tunnel is DOWN (IKE channel OK, no SA)	No Security Association with the Tunnel has been initialized.
IPSEC: SP1: IPSec ESP Tunnel is DOWN (no IKE channel)	The IKE portion of the IPSEC connection failed to negotiate and initialize.
IPSEC: SP1: IPSec ESP Tunnel is UP	The IPSEC tunnel is up
IPSEC: SP1: IPSec ESP Tunnel to peer 208.196.23.65 is UP , (prot=ANY,rem=208.196.23.66,loc=66.78.204.86)	The IPSEC tunnel to the specified Peer is up and working.
LOG: Could not add to the msg queue ndxlogFileRecord, type HISTORY	An error occurred while adding a record to the History Log file
LOG: Could not add to the msg queue ndxlogFileRecord, type SYSLOG	An error occurred while adding a record to the local Syslog file
LOG: writelogRecord failed on Logfile! LOG: writelogRecord failed! LOGGING: Could not add to the msg queue ndxlogFileRecord	Could not write the History information to the Log file. This can be caused if a reboot is issued or another process has blocked access to the log.txt.
MAC_FILT: 1 packets discarded in last minute due to mac filtering, last was from 00:11:24:a0:54:42 MAC_FILT: Packet discarded due to mac filtering, was from 00:00:c5:d3:8b:04	Packet(s) received from a user that was added to the Mac Filter list.

MAC_FILT: Could not create mac filtering File	The NSE was unable to create the Mac Filter file. This could happen if the feature was enabled after the system was restarted. Rebooting the NSE should resolve this.
MAC_FILT: mac filter file already exists	Upon boot, the NSE checks to see if a mac filter list exists because mac filtering is enabled.
MAC_FILT: macFilterFile constructor ERROR	The NSE is unable to read the Mac filter file.
MAC_FILT: ndxMacFiltering::AddMacAddr(): MAC Filtering Service Not initialized	A user was being added to the Mac Filter list however Mac Filtering is not enabled.
MAC_FILT: ndxMacFiltering::AddMacAddr(): table is full	An attempt was made to add a subscriber to the mac filter list and the list is full.
MAC_FILT: ndxMacFiltering::AddMacAddr(): table is full, can't add	The Mac Filter table has its maximum number of entries and cannot add anymore.
MAC_FILT: ndxMacFiltering::ndxMacFiltering(): ReadFromMFilterFile failed	The NSE was unable to read the Mac filter file.
MAC_FILT: ndxMacFiltering::RemMacAddr(): MAC Filtering Service Not initialized	A mac filter entry was being removed; however the mac filter service was not enabled.
NDX_fclo: autoReboot occured	Cancels the close because a page fault occurred during the rclose and allows other processes to close for the reboot.
NDX_frea: autoReboot occured	Cancels the read because a page fault occurred during the read and allows other processes to close for the reboot.
NDX_fwri: bad arguments: fwrite failed	A failure occurred when trying to write data.
ndxPQueu: Open() failed: /flash/pmsXmlQ.txt ndxPQueu: InitQueueFromFile() cannot open file ndxPQueu: Cannot init queue from file ndxPQueu: Cannot init queue	Upon boot, the NSE cannot open the pmsxmlq.txt because it does not exist and therefore cannot initialize it.
ndxPQueu: UnlockeOpenedPeek: can't read file /flash/pmsXmlQ.txt, len: 435, pos: 758784	The NSE is unable to read the pmsxmlq.txt. Verify that the file exists in the /flash/ directory.
NETIFWTCH: Error code 55 when sending ping on socket xx	No buffer space when network watchdog tried to send a ping out.
NETIFWTCH: Error on ping attempt in operating mode.	There was a return of false when the Network Watchdog tried to send a ping

NETIFWTCH: Gateway not responding, going to Pre-Reboot state.	The NSE has missed all the pings required to move to the next state of the Network watchdog
NETIFWTCH: Gateway now responding,going back to normal operating state.	NSE received a response from the Gateway before it actually started the reboot while it was in Pre-Reboot state so is changing back to normal state.
NETIFWTCH: System in unstable state. Rebooting.	The NSE has not received enough ping responses from the router to feel that the network is stable so it reboots to try an get the router to know that the NSE is there.
No more dot1x objects	All objects for IEEE 802.1x are used
nomadix.: Invalid Plan Number.	The NSE has received a XML User Pay command for a X over Plan number that does not exist.
nomadix.: printRecord: Room State invalid. Set to BLOCKED.	An attempt is made to bill to a room that is blocked.
NSE: Dropped packet received from WAN side with IP matching that of one of subscribers.IP: 10.10.3.15 NSE: Dropped packet received from WAN side with source IP 192.168.2.22 matching that of a subscriber	Means the Source IP of packet that hit the network port trying to get to a subscriber is the IP address of a subscriber in the current table. This could be caused by a network issue or loop.
PPP: Exiting.	PPPoE connection has failed and is exiting.
PPPoE: PPPoE Network Interface is up, local=200.67.68.72, remote=200.38.193.226	NSE is set for PPPoE and was negotiated successfully.
PROXY: Bad hreq_scheme. Too long.	The http request was too large for proxy to handle and is dropped.
PROXY: icmpSubscriber(): Session Rate Exceeded: 00:14:BF:A3:B0:01 PROXY: proxySubProcessSYN(): Session Rate Exceeded1:	A proxied user has exceeded the Session Rate limits.
PROXY: proxySubPacketType: Unsupported hreq_scheme: %3CHTML%3E%0A%3CHEAD%3E%0A%3CMETA%20HTTP-EQUIV=%22REFRESH%22%20CONTENT=%222;%20URL=http	The http request does not match one that is supported by proxy and is dropped.
PROXY: proxySubPacketType: Unsupported hreq_scheme: daap	A daap request was made through proxy and failed as it is not supported by the NSE.
PROXY: proxySubPacketType: Unsupported hreq_scheme: ftp	A FTP request was made through proxy and failed as it is not supported by the NSE.

PROXY: proxySubPacketType: Unsupported hreq_scheme: https	A https request was made through proxy and failed as it is not supported by the NSE.
QOS_CLAS: Failed to initialize QoS classification INIT: 0081 INIT QoS Classification Initialization failed	QoS Classification did not initialize, most likely due to misconfiguration of the feature.
QOS_MARK: Failed to initialize QoS marking INIT: 0082 INIT QoS Marking Initialization failed	QoS Marking did not initialize, most likely due to misconfiguration of the feature
QOS: ndxQosConfigClass::ReadRecordsFromFile(): updating config file	This is sent when the system boots and it is creating the QoS file from factory defaults.
realAudi: Out of mem for RealAudio	The RealAudio algorithm is out of memory and cannot handle any new connections.
realAudi: PNA message crosses TCP seg boundary	The RealAudio algorithm has a PNA message that flows over the TCP segmentation boundary which causes problems with the stream attempting to be used.
realAudi: RealAudio 1st packet has no syn	The first Real Audio that the NSE sees is part of an already established connection
realAudi: RealAudio net packets recvd b4 subscriber packets	This can be either A) the RealAudio server is on the subscriber side or B) the packets are coming in out of sequence and confusing the NSE.
realAudi: RealAudio PNA expected RobustResponse not missing	The RealAudio PNA message doesn't match what was expected and is dropped.
realAudi: RealAudio PNA no serverHello	The RealAudio PNA message does not contain a Server Hello.
RMTLOG: rmtlogXmlTcpSend: Connect error	Bill Mirror enabled, but server does not respond
RMTLOG: rmtlogXmlTcpSend: timeout	The XML command for Bill Record Mirroring has Timed out without receiving a response from the server.
RMTLOG: rmtlogXmlTcpSend: transmission Ok	Bill Mirror enabled, and response received from server
SDP: nat_sdp_body: Failed to map RTP session	When trying to map the RTP portion of the SIP connection the mapping failed.

SFTP: NETWORK END	The NSE is in upgrade mode and Block all SFTP is enabled and a SFTP connection was attempted and dropped.
SFTPD: SFTP session ipssh_10.10.10.10 _49425_384 spawning	SFTP session has initiated
SFTPD: SFTP session ipssh_10.10.10.10_49425_384: get /flash/nseconf.txt	SFTP retrieved file
SFTPD: SFTP session ipssh_10.10.10.10_49425_384 closing	SFTP session has ended
SIP: GetSpecificAddressPort FAILED for 69c0b4a/35002	The check for the address port listed failed.
SIP_ALG: sip_map_init: read from sip map file Failed	The NSE was unable to read the SIP mapping table.
SIP_ALG: sip_map_init: SIP map entry read from store has expired	The SIP mapping entry has expired and will be cleared from memory.
SiteTrac: Portal Page external site is OFFLINE	With Login Page Failover enabled, the configured External Web Server is offline.
SiteTrac: Portal Page external site is ONLINE	With Login Page Failover enabled, the configured External Web Server is online.
SiteTrac: TcpSiteDescriptor::Poll(): Error connecting to server IP=69.30.42.71, Port=443	With Login Page Failover enabled, the NSE was unable to connect to the portal page on port 443 (https)
SMTP ALG: smtpNetHook: sessionNode is NULL. Shouldn't happen. Dropping packet.	This could be a random SMTP packet or a delayed packet whose DAT session has already expired.
SMTP ALG: smtpNetHook: sessionNode is NULL. Shouldn't<010><009><009><009><009> happen. Dropping packet.	Occurs when the Original Destination IP, SMTP server IP, and/or SMTP status is NULL, or the whole thing is NULL Most likely a bad SMTP packet.
SMTP ALG: smtpNetHook: SMTP Server IP in algdata is 0. Taking default route.	The SMTP server information has not been entered
SMTP ALG: smtpSubHook: cannot get a cleanup SMTP ALGData	No resources available to process the SMTP request.
SNMP: snmpdTrapSend: authFailure	The community string entered on the NSE does not match the one submitted by the SNMP browser.
SNMP: snmpdTrapSend: coldStart	The NSE has been rebooted.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 8	Failed manager login
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 9	Trap sent indicating that the Maximum number of users has been reached.

SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 10	Trap sent indicating that a Warm Reboot has occurred.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 15	Trap sent indicating that the radius caching file is full.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 16	Trap sent indicating that IP address of the NSE has changed.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 17	Trap sent indicating that the DAT table is running out of ports.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 18	Trap sent indicating that the Proxy alg is out of resources.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 31	Trap sent indicating that subscriber port 1 was down.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 32	Trap sent indicating that subscriber port 2 was down.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 41	Trap sent indicating that subscriber port 1 is up.
SNMP: snmpdTrapSend: Nomadix enterpriseTrap # 42	Trap sent indicating that subscriber port 2 is up.
SNMP_MGR: 4704 Failed snmpMgrQuerySynch 00:0d:56:df:77:ab	Port Location is set for RFC1493 Query and the NSE could not determine port number for the subscriber.
SNTPTime: Time Server: [130.149.17.8], at bootup...Failed	
SNTPTime: Server: [0.us.pool.ntp.org], MON FEB 26 08:01:01 2018 (UTC) SNTPTime: Server: [130.149.17.8], MON FEB 26 08:00:35 2018 (UTC)	Connection to SNTP server established
SSH: dh_gen_key: BN_rand failed	A diffie-hellman-group1-sha1 could not be created
SSH: packet_disconnect called recursively.	SSH peer is in a loop and has been disconnected.
SSH: padding error: need 259435148 block 259435184 mod 5587607	A partial packet was received and was unable to be processed.
SSH: Read from socket failed:	It means that the client has reset the TCP connection (due to the application being killed abruptly) instead of closing the SSH session by using a special command such as "bye".
SSH: NETWORK END	SSH session has closedaaaaaaassddd
SSL: Unable to set cert file </flash/server.pem>	Unable to read the server.pem. Check to make sure it exists and is in the correct format.
SSL: Unable to set cert verification location for network context	Either a necessary file is missing or corrupt.

SSL: Unable to set private key file </flash/cakey.pem> code: 33558531	Unable to read the cakey.pem. Check to make sure it exists and is in the correct format.
SSLFS: sslFsOpen: error - cannot create context	When trying to open an SSL connection it was unable to create an SSL Context because it was NULL.
SSLFS: sslFsOpen: error - handshake failure	The NSE did not succeed in negotiating common parameters with the subscriber
SSLFS: Can't read certificate file: /flash/server.pem	Unable to read the server.pem file
SSLFS: creating new context: /flash/server.pem /flash/cakey.pem (2703)	Certificate file being read into memory during NSE boot
sslStrea: Connect: SSL_connect failed	The SSL handshake failed to connect to the server.
sslStrea: SetSslCtx: SSL Context unset	The SSL Context has not been set for this connection.
SUB: Couldn't insert subscriber into Hash Table	The NSE was unable to add the subscriber to the current table.
SUBS: Cannot add subscriber 00:22:FA:F1:1D:02, has XML server IP 192.168.200.15	A user is being added with the same IP address as one of the XML servers, which the NSE does not allow.
SUBS: Subscriber has an XML server IP, cannot UpdateInfo: 0xffffffffffff	A user is sending a packet with the IP address of the XML server or the XML server IP is incorrect.
SYS: (resource shortage or <010> network configuration error -- check netmask)	This indicates that the NSE is having trouble communicating on the network.
SYS: 0x1b09e88 (httpRedServer) [1139464603]: memPartAlloc: block too big - 46532 in partition 0x852bc0.	The redirect server tries to allocate a memory block that is larger than what is available.
SYS: 0x371a274 (tNetTask) [1140593311]: arp_rtrequest: malloc failed	The NSE tries to allocate memory to send an ARP request but there is no memory available for the task.
SYS: 0x371a274 (tNetTask) [1143821994]: duplicate IP address 4370dc7d sent from ethernet address 00:05:4e:46:d7:8b	The NSE has received an ARP from something on the network side that matches the NSE's IP address. To resolve, check for that MAC and see why it has the same address of the NSE
SYS: 0x3a8daa4 (tNetTask) [1140622066]: cksum: out of data	The network checksums that the interface is trying to verify are out of data.
SYS: 0x5fef2b4 (uArpD) [1140504985]: arptnew failed on c0e4103	Arp failed for the address shown.

SYS: 0x5fef2b4 (uArpD) [1140521624]: arpresolve: lookup failed for addr 0c0e410	When checking the ARP table for defined address, it was not found.
SYS: 0x7d87d84 (tNetTask) [1140645795]: arp info overwritten for d88fd54b by 00:07:e8:01:02:16	The ARP table entry was changed for the specified IP address by the MAC address in the syslog.
sysLog: SysLog facility initialized	Syslog is enabled and initialized.
SYSRPT: ID: 016576 IP: 194.219.200.11 Subscribers: 015	This is the System Report Log
TIME: NSE's UTC offset is now -08:00:00 (DST not in effect)	Shows the current UTC offset
TIME: NSE's Time Zone set to America/Los_Angeles (was generic: UTC-08:00)	Shows the current selected Time Zone
TIME: Time zone database succesfully installed from file /flash/timezonedata.zip (424 time zones)	Time Zone database has been updated
TIME: Time zone database version: 2017c	Current version of Time Zone database.
UAF: matchAndRecord(): match #100 for entry 'Windows-Update-Agent'	User Agent Filtering has blocked 100 attempts for the Windows-Update-Agent traffic
USG_AAA: aaaRamInfo::Delete: can't getSub pos: 142 mac: 00:14:A5:05:9E:4E	When trying to delete a subscriber from memory it failed. The position in the file and the MAC Address of the subscriber are displayed.
USG_AAA: SSL Initialization failed	With SSL enabled, the NSE was unable to initialize SSL. This most likely is due to a problem with the SSL certificates.
USG_DAT: sessionMap(): subscriberInsert(session) failed	Failed to insert this particular session in the session table
USG_GOA: Radius server should have timed out. GOA: Radius server should have timed out GOAHEAD: Radius server should have timed out.	This occurs when the NSE would have expected the Radius client to tell us that the radius access-request timed out. This can occur if the Radius client is very busy processing other requests.
USG_GOAH: socketGetInput>>> ECONNRESET on recv.	The NSE's Goahead process tries to get the information from the socket and it received a Reset.
USG_GOAH: socketReady(): REFRESH_LOOPING_FLAG, closing socket.	The Goahead process had a looping flag in the socket and closes the socket to end the loop.
USG_HOST: dnsNameStore::insertDNSName(): duplicate DNS name exists	The DNS name to be entered into the DNS name table already exists in one of the records.

USG_ICMP: icmpNetwork 4 error giving smartNatSem	Could not map this ICMP message back to a subscriber.
USG_LK: 0254 Requesting reboot HSG_LK: 0254 Requesting reboot	NSE will reboot to enable new license key
USG_LK: Installed license key. USG will reboot.	New license key was installed
USG_LK: Received new key from License Key Server	New license key was received
USG_PROX: proxySubProcessSYN(): Session Rate Exceeded: 00:06:5B:1B:FA:68	This occurs when Session Rate Limiting is enabled and a proxied subscriber has reached the configured limit.
USG_WWS: httpRpmNdxAAAprofiles: Allocation of sub array Failed.	When trying to allocate memory for the AAA Subscriber tables the NSE failed.
usgdhcpL: 700 fclose Failed	The NSE was unable to close the lease.txt when a reboot occurred.
VPN: VPN Tunnel is down.	The NSE initiated VPN tunnel has not been established.
WARNING SYS: (tNetTask) [20:20:27]: Finished resetting wlan0	An error occurred that required the Wireless chip to reset and it has finished the reset.
WARNING SYS: (tNetTask) [20:20:27]: (00004628): Number of wlan0 resets = 1	This just states that there has been 1 reset of the wireless chip without a reboot. Goes along with the syslog above.
WMI: httpOsalSocketReadLine: IoReadln failed!	The connection for the user session has been reset. This message is posted as a notice.
WMI: httpd: httpOsalSocketOpen - cannot open SSL	The NSE temporarily ran out of Sockets to allow the SSL connection
WMI: httpd: Accept socket failed	The connection to the web management interface to the NSE has failed.
WWS: Default Key does not exist.	When attempting to set the WEP key the default key was not found.
WWS: Get WEP Key 1 failed WWS: Get WEP Key 2 failed WWS: Get WEP Key 3 failed WWS: Get WEP Key 4 failed	When trying to set the WEP key for the VAP the WEP Key was not found and did not initialize.

WWS: httpRpmNdxAAAprofiles: Invalid plan number (2053729377) in auth file record	When viewing List by Mac/User, the NSE has encountered a subscriber profile has a corrupted plan number and displays this message.
WWS: httpd port change disallowed.	The Port that is trying to be set for the WMI is a well known port or already in use. (x.4.2 and above)
WWS: wSaveToFlash: Unable to save current configuration to flash.	Saving the current configuration change failed.
XML: AddUpdateUser(Mac): 2.res 207	An error occurred when the XML user add command executed.
XML: Invalid bandwidth policy	XML QUERY_USER returns this if the Bandwidth Group doesn't exist.
xmlPost: ndxPersistentPostQueue::PeekMsg() CreateMsg failed	When building the Post message the structures and memory needed couldn't be allocated properly.
xmlPost: ndxPersistentPostQueue::PeekMsg() PeekFront() unsuccessful	The NSE is unable to open the pmsxmlq.txt to insert a record into it.
xmlPost: ndxPersistentPostQueue::Create() cannot init queue	Cannot initialize the persistent queue for Xml Portal Post.
xmlPost: ndxPersistentPostQueue::Init() cannot allocate pers queue	When initializing the persistent queue for the Xml Portal Post there is a failure.
xmlPost: poster: failed to send the messeage xmlPost: poster: failed to send the message	The NSE was unable to create a connection to the XML post server.
xmlPost: ndxPosterTask: Attempt # 1 to send XML post failed xmlPost: ndxPosterTask: Attempt # 2 to send XML post failed xmlPost: ndxPosterTask: Attempt # 3 to send XML post failed xmlPost: ndxPosterTask: Giving up trying to XML post after 3 tries	The NSE is attempting to send the User Status command 3 times and has failed to connect to the receiving server.
xmlPost: ndxXmlPostMsg::Connect: failed	The connection to the server to send the POST to failed.
xmlPost: ndxXmlPostMsg::Send: Expected HTTP response from server not received	The NSE did not receive an OK response from the Portal Post sever after sending the User Status result.
xmlPost: ndxXmlPostMsg::Send: HTTP response contained HTTP error status code error code: 0	The XML portal post is expecting to get HTTP 200 OK from the destination web server and it was not received.
xmlPost: ndxXmlPostMsg::Send: HTTP response contained HTTP error status code error code: 302	The Response to the XML Portal post coming from the server is a HTTP 302 REDIRECT instead of an HTTP 200 OK and the post fails.

xmlPost: ndxXmlPostMsg::Send: HTTP response contained HTTP error status code error code: 404	The server configured as the Portal XML POST URL returned a 404 error in response to the user status command.
xmlPost: ndxXmlPostMsg::Send: HTTP response contained HTTP error status code error code: 405	The server configured as the Portal XML POST URL does not accept XML.
xmlPost: ndxXmlPostMsg::Send: HTTP response contained HTTP error status code error code: 503	The server configured as the Portal XML POST URL returned a 503 error in response to the user status command.
xmlPost: ndxXmlPostMsg::Send ndxReadHttpResp() failed	Verification of the response received from the XML post failed.
xmlPost: ndxXmlPostMsg::Send: reply status code not OK: 302	The NSE did not receive and OK from the portal post server.
xmlPost: ndxXmlPostMsg::SetXmlMsg empty message	The NSE tried to create an XML response but had no information to create it.
xmlPost: ndxXmlUserStatusFactory::CreateMsg: cannot set url	The Post URL could not be found/set properly for the Posting to happen.
xmlPost: SetUri(): Invalid (or unknown) uri scheme	The URI for XML Portal Post was not http or https
xmlPost: SetUri(): uri is empty	The URI for XML Portal Post is either empty or it isn't a URI
ZONEMIGR: cannot register WWS handler	Zone Migration did not initialize properly and the WMI page was loaded causing this warning.
ZONEMIGR: Description can only contain these characters: '0'..'9','A..'Z','a'..'z','-','_', and ' '	A zone was entered with an invalid character,
ZONEMIGR: Ports may not overlap ranges in other zones. Modify the overlapping Zone first or change this entry	This comes up during initialization and a Port Range overlaps multiple zones which is not allowed.
ZONEMIGR: unrecognized value of Zone data model index	The zone migration configuration is read and there is an error in the file this message is posted.
ZONEMIGR: updating config file	The Zone Migration configuration file was updated.
ZONEMIGR: Zone with duplicate data model index	Upon initialization, when loading the file, the index is found to be a duplicate.
ZONEMIGR: Zone 'x' added	A zone was added to the Zone Migration list with x being the number that was added.
ZONEMIGR: Zone '1' deleted	A zone was deleted from the Zone Migration list with x being the number that was added.

ZONEMIGR: Zone 'Meeting Room' modified	Existing zone was modified.

PMS related syslog messages	
AAA: aaa_Iws_Existing_Subscriber_Login: Failed to bill by portlocation info, vlan 0, mac 00:16:6F:13:11:29, amount 350.00	One-way PMS billing failed because the Vlan is set to zero, which is invalid.
AAA: aaa_Iws_PMS_Micros_Process: called from the wrong state	PMS is being called for a Blocked user
AAA: aaa_Iws_PMS_Micros_Process: PMSFLAG is NONE. unexpected.	MICROS PMS returned a Flag of NONE where ACCEPT is the Flag that should be returned.
DEBUG PMS: Access granted: mac-E0:B9:BA:6B:4D:D8:	The subscriber was successfully billed to Marriott's Wired for Business.
PMS: Changed pms file format. (1) records written	When upgrading to X5, the transact.dat format has changed and this is message is recorded when the file is updated.
PMS: Error making a new file in pmsCheckAdjustFileFormat	During the transact.dat conversion, an error occurred and the file was not converted. Another conversion attempt will occur at the next boot.
PMS: Failed to rename the file (2008.3 or later)	Seen on reboot. The NSE could not rename the temporary file to the correct name when updating the transact.dat.
PMS: Error reading pre-3.05 record during conversion	During the transact.dat conversion, an error occurred reading a record and the record was dropped.
PMS: INVALID ROOM: 1	The PMS system has sent back an invalid room message to the query.
AAA: NameAndRoom: charge -> $ 25.00	Two way PMS message indicating the amount charged.
AAA: NameAndRoom: amount is zero so query only 20A90E08BDBA AAA: NameAndRoom: query only 8489AD443CD1	Free For PMS User Option enabled in PMS, so no charge is sent to PMS
PMS: pmsBillAfterUseMicro: Subscriber idle, but online stay too short	A Post Paid user was idled out and their actual Online time is 0 so there is no charge for the post pay.
AAA: pmsBillByNameAndRoom failed	Posting to two-way PMS failed
PMS: error taking a semaphore	Memory Semaphore couldn't be taken for one of the structures that PMS needs.
PMS: error writing to pms log file	An error occurred when writing to the transact.dat.

PMS: PMS system is disconnected	When the PMS is Micros Fidelio and the handshake has not occurred or has failed or there has been a disconnect message sent so the NSE knows the PMS system is disconnected this syslog is sent.
PMS: pmsMicrosStateSendPostOrInq: error getting next record	An error occurred when trying to obtain the next record to Post.
PMS: USG-DENIED, QUEUE FULL:	The NSE cannot communicate with the PMS system so it Queued the records waiting for a new connection. what happens is that the PMS engine in the NSE won't send the record until it is connected and the NSE goes through the file to send the records that it has held onto… If there are no records in the file that show it has waited then it will dump the Queue when the PMS system is connected again… but if the Queue is full then no new records can be added and they get lost
PMS: sizeof file < sizeof header (2008.3 or later)	Seen on reboot. The NSE could not find the version number in the transact.dat.
PMS: USG-DENIED BY PMS SYSTEM: 0	PMS denied the transaction post.
PMSSockO: PMS connect successful.	The NSE connected to the PMS.
PMS: state_pti_rcv_data	The PMS has received an ACK and is now waiting for the data.
End of PMS related syslog messages	

The following syslogs are all related to Wired for Business PMS	
PMS: <002>POST 1410 099A 0<003>^	PMS has posted a Specific to Wired for Business charge
PMS: <004>	Specific to Wired for Business
PMS: <005>	Specific to Wired for Business
PMS: <006>	Specific to Wired for Business
PMS: Elapsed secs 0	How many seconds since we received an ACK from the PMS system
PMS: remainder 120	This goes with Elapsed secs. This is how many seconds are left to wait.
PMS: timestruct 120	This goes with Elapsed secs and Remainder as being the total amount of the time structure that is waiting to be released.

PMS: Entered unknown state in pms frontend	Micro has received a return value of PMS_ERROR and this message is recorded.
PMS: failed to enqueue records	The NSE is unable to queue PMS requests due to a communication issue with Wired for Business.
PMS: frontend protocol PTI	Wired for Business is configured on the NSE and it uses the PTI protocol.
PMS: got etx, send ack, going to wait eot state	The NSE has received an ETX and has sent an ACK to the PMS and is now waiting for the EOT before processing the information sent.
PMS: got stx, waiting etx	The NSE has received a STX and is waiting for the ETX from the PMS when it is set to PTI/WFB
PMS: msg type set to WFB	Wired for Business is set for the PMS.
PMS: protocol in state sendMsg	The NSE is in the state to Send the POST after the ACK is received for the ENQ.
PMS: Rcvd Ack from the PMS server	The NSE has received an ACK from the PMS.
PMS: Rcvd an unrecognized char	The NSE has received a character that it didn't expect and will go back to waiting for an ACK
PMS: Regular or non-WFB Subscriber	This is to state that the Special WFB posting that doesn't include an amount is not used and a normal post with a charge is used.
PMS: select timed out waiting for an Ack	The NSE was waiting for an ACK so it could move on to the next state but did not receive the ACK.
PMS: Wired for Business Subscriber	A user logged in using a Wired for Business Billing Plan
PMS: pmsBillByPortLocationInfo: Regular or non-WFB Subscriber	One-way PMS is used and is not Wired for Business.
PMS: pmsBillByNameAndRoom: Regular or non-WFB Subscriber	Two-way PMS is used and is not Wired for Business.
PMS: pmsBillByNameAndRoom: WFB Subscriber	Two-way Wired For Business is being used for billing.
PMS: Rcvd EOT Char in the middle of data reception. Aborting connection	The information being received from the PMS is getting out of sequence so the connection is aborted and restarted to resynch.
PMS: Select Timed out, not receving ETX	The NSE has received an STX but timed out waiting for the ETX.
PMS: frontend protocol WFB-2way	PMS is set to Wired for Business 2-way

PMS: frontend protocol WFB-Name_Room	PMS is set to Wired for Business 2-way for Name and Room.
PMS: Failed to send a message to pms 2	The NSE has received an ACK to our ENQ but for some reason was unable to send the POST/Message
PMS: USG-MAX RETRIES REACHED:	The NSE has tried connecting to the PMS and has failed. (ver2008.1.005 or later)
PMS: USG-BAD NAME SUPPLIED:	The name entered by the subscriber does not match the one returned by the PMS (ver2008.1.005 and later)
PMS: USG-SUCCESS:	The charge was successfully posted to the PMS. (ver2008.1.005 or later)
PMS: Access Failed: mac-00:19:7D:6A:F2:7B:	The charge was not posted and the subscriber does not have access. (ver2008.1.005 or later)
PMS: Access granted: mac-00:00:06:45:07:70	The charge was posted and the subscriber was granted access. (ver2008.1.005 or later)
End of syslogs for Wired for Business.	

Radius related syslog messages	
AAA aaa_Radius_Build_Request failed AAA: authen(radiusFile): Radius_Build_Request failed	When building the Radius request, some of the required information was missing and the Radius request is not sent.
AAA: aaa_Radius_Build_Accounting(): msgQSend failed	When building the Radius accounting response, the message failed being sent to the message queue properly.
AAA: aaa_Radius_Dot1x_Build_Request failed	When building the dot1.x Radius request, some of the required information was missing and the request is not sent.
AAA: aaa_Radius_Verify_Resp: response didn't match any request	This indicates that a RADIUS response was received that does not match any currently outstanding request.
AAA: RADIUS authentication aborted RADAUTH: RADIUS authentication aborted for reqId pri=190, sec=191	Subscriber was deleted from the Current Subscribers table while still in the middle of Radius Authentication.
AAA: RADIUS authentication maximum lifetime of 600 seconds exceeded RADAUTH: RADIUS authentication maximum lifetime of 600 seconds exceeded	The Request has taken longer to get a response than is configured.

AAA: RADIUS authentication timeout, prof=xxxxxxxxx, retrfreq=##, retratt=## AAA: RADIUS authentication timeout, prof=defaultClient,retrfreq=2, retratt=1	Sent when RADIUS Client gives up on a RADIUS authentication after sending maximum retransmissions without getting a response. Includes the name of the RADIUS Service profile used (which in turn shows the servers used), and the retransmission frequency and number of retransmission per server from that profile.
RADAUTH: RADIUS authentication timeout, prof=badaddr for reqId pri=8, sec=9	A radius login was requested, however there was no radius service running at the configured IP address.
AAA: Radius Server Rejected Authentication	This can happen if the NSE has not been added as a NAS client on the Radius server, or and Access Reject has been sent as the response to the Access Request.
AAA: Radius: Subscriber Acct-Session-ID is null.	When a Session ID was supposed to be set for a request it was missed so there is no Session ID.
AAA: Radius_Notify_XmlPortal cannot get subscriber	The NSE cannot get the information on the subscriber to be sent to the XML PORTAL POST.
AAA: radiusProxyPacketInfo::init - failed to allocate memory for packet	This indicates that resources could not be allocated to store and process an incoming Radius proxy packet.
AAA: radiusProxyPacketInfo::init - invalid-length packet received	This indicates that a packet that was received on one of the UDP ports on which authentication or accounting requests are received from upstream NASs or accounting responses from downstream servers. The packet received is either too long or too short to be a valid RADIUS packet
AAA_RADI: aaa_Radius_Create_Auth_Request:Internal error. Password not present	Radius authentication packet does not contain a password.
AAA_RADI: aaa_Radius_Process_Auth_Answer(): length field in RADIUS packet out of bounds	The Packet Length field is not one of the known Radius packet sizes.

AAA_RADI: aaa_Radius_readAndCheckResponse: data read from socket smaller than RADIUS header implies	This indicates corruption in a packet received on the UDP port for receiving RADIUS responses from servers. Either a non-RADIUS packet or an incorrectly formed RADIUS packet was received on that port.
AAA_RADI: Acct resp failed ID number comparison	The accounting response received by the NSE does not match a pending request and is dropped.
AAA_RADI: Process_Auth_Answer: response didn't match any request	The NSE received a Radius Response that did not match any request that was active at the moment. This may happen if the retransmit frequency is set too low.
aaa_Radius_Build_Request failed	The NSE was unable to create the Radius request for the user.
AAA: aaa_Radius_Build_and_Send_authReq failed	The information needed to generate the authentication request is no longer in memory, so the request cannot be sent and this message is recorded.
aaa_Radius_readAndCheckResponse: data read from socket smaller than RADIUS header implies	The data in the Packet is less than the Header for the packet indicating that some of the information was lost in the transmission.
ERROR MACAAA: processMacRadiusResp('00:08:28:86:00:FC'): no more retries after 5 of 5 denials (REJECT)	Maximum number of retries for Mac Authentication has been reached.
RADACCT: Radius_Acct_Task: Exceeded max retransmits. for reqId pri=24, sec=25	Radius accounting record retransmits had been attempted based on the retransmit options, but no response.
RADACCT: aaaRadiusCreateAcctSocket(): Closing previous accounting socket, sockFd=29	The NSE performs a check to make sure the socket used for radius accounting is not initialized and finds that there already is a socket created so it needs to close it before creating a new one.
RADACCT: aaaRadiusCreateAuthSocket(): Closing previous authentication socket, sockFd=28	The NSE performs a check to make sure the socket used for radius authentication is not initialized and finds that there already is a socket created so it needs to close it before creating a new one.

RADAUTH: RADIUS authentication maximum lifetime of 600 seconds exceeded for reqId	Radius request has not been processed in five minutes and is dropped.
RADHIST: Couldn't (re)start flush timer	The Radius History Memory is flushed at a set time and the timer has to be reset.
RADIUS received invalid packet from 222.134.45.54:33275 -- may be spam (failed length-out-of-bounds check, len=10240) AAA: RADIUS received invalid packet from 69.48.211.170:1813 (hdr: code=5,id=220,len=20) -- may be spam (didn't match any outstanding request)	An inbound packet destined for the Radius port configured on the NSE was received, but was not a valid Radius packet.
RADIUS: Bad Radius Expiration attribute format	When parsing the Radius Expiration time an error occurred so it is ignored.
RADIUS: Cannot post using HTTPS since SSL is disabled	When trying to send the Portal POST XML using HTTPS, it failed because SSL is not enabled on the NSE.
RADIUS: send successful for USER_STATUS command, numBytes sent 376	When the user status command is sent after a XML Radius event. This message includes the number of bytes the command had in it.
RADIUS: XmlResponseOnRadiusLogin: connectWithTimeout() call failed	XML Portal Post failed to make a connection to the server.
RADIUS: XmlResponseOnRadiusLogin: socket() call failed	XML Portal Post failed because the socket call failed to complete and obtain a socket for the request.
RADIUS: XmlResponseOnRadiusLogin: successful connection established	The XML Radius login did not timeout before receiving a response from the Server.
RADAUTH: RADIUS: Authentication socket opened on local UDP port 1812, sockFd=28	Radius authentication socket has been opened and reserved
RADACCT: RADIUS: Accounting socket opened on local UDP port 1813, sockFd=29	Radius accounting socket has been opened and reserved
RADPROXY: Created proxied subscriber record for xx:xx:xx:xx:xx:xx.	This message is created when a record is added to the current table as a result of processing a RADIUS request from an upstream NAS.
RADPROXY: Deleted proxied subscriber record for xx:xx:xx:xx:xx:xx	This message is created when a record is deleted from the current table as a result of processing a RADIUS request from an upstream.
RADPROXY: Server packet discarded: source=10.10.10.10:17633 <Incorrectly formed RADIUS packet -- may be spam	An inbound packet destined for the Radius port configured on the Upstream NAS was received, but was not a valid Radius packet.

RADPROXY: radiusProxyService constructor: non-existent profile xxx named in upstream NAS	The profile in the NAS configuration no longer exists.
RADPROXY: Upstream AUTH packet discarded: source=10.10.0.10:36180d, sub=00:0e:35:9e:51:f9, user=vu@priority: <Retransmission from upstream NAS>	The Radius proxy sent the radius request and another request was made because the Radius retransmit time was shorter than the Radius proxy one so the first request is dropped.
UNASMGR: nasIpExists failed to take semaphore	The NSE is trying to send a message to an Upstream NAS that no longer exists and cannot send the message.
Upstream AUTH packet discarded: source=xxx.xxx.xxx.xxx, sub=<yy:yy:yy:yy:yy:yy>, user=zzzzzzzzzzzz, <reason>

Upstream ACCT packet discarded: source=xxx.xxx.xxx.xxx, sub=<yy:yy:yy:yy:yy:yy>, user=zzzzzzzzzzzz, <reason> | These indicate that a RADIUS packet that was received on the UDP ports for accounting or authentication requests from an upstream NAS is being discarded (not processed and forwarded). The source IP address of the NAS which originated the packet, the subscriber MAC address (if available) on behalf of which the NAS sent the packet, and the user name of that subscriber (if available) are given. |
| Username field too long in RADIUS packet | This indicates that the username attribute in a RADIUS proxy packet is longer than the software supports, and therefore the packet cannot be properly processed. |
| **End of Radius related syslog messages** | |

Access Control related syslog messages	
WMI: FTP access blocked.	Access Control turned on to block FTP into the NSE enabled via Web Interface
WMI: FTP access enabled.	Access Control turned off to allow FTP into the NSE via Web Interface
CLI: FTP access blocked.	Access Control turned on to block FTP into the NSE enabled via Telnet or Serial connection
CLI: FTP access enabled.	Access Control turned off to allow FTP into the NSE via Telnet or Serial connection
WMI: FTP net access blocked. (version x.4.2)	Network side Access Control turned on to block FTP into the NSE enabled via Web Interface
WMI: FTP net access enabled. (version x.4.2)	Network side Access Control turned off to allow FTP into the NSE via Web Interface
CLI: FTP net access blocked. (version x.4.2)	Network side Access Control turned on to block FTP into the NSE enabled via Telnet or Serial connection
CLI: FTP net access enabled. (version x.4.2)	Network side Access Control turned off to allow FTP access into the NSE via Telnet or Serial connection
CLI: SFTP access enabled.	Access Control turned off to allow SFTP into the NSE via Telnet or Serial connection
WMI: SFTP net access blocked. (version x.4.2)	Network side Access Control turned on to block SFTP into the NSE enabled via Web Interface
WMI: SFTP net access enabled. (version x.4.2)	Network side Access Control turned off to allow SFTP access into the NSE via Web Interface
CLI: SFTP net access blocked. (version x.4.2)	Network side Access Control turned on to block SFTP into the NSE enabled via Telnet or Serial connection
CLI: SFTP net access enabled. (version x.4.2)	Network side Access Control turned off to allow SFTP access into the NSE via Telnet or Serial connection

CLI: SSH access enabled.	Access Control turned off to allow SSH into the NSE via Telnet or Serial connection
WMI: SSH net access blocked. (version x.4.2)	Network side Access Control turned on to block SSH into the NSE enabled via Web Interface
WMI: SSH net access enabled. (version x.4.2)	Network side Access Control turned off to allow SSH access into the NSE via Web Interface
CLI: SSH net access blocked. (version x.4.2)	Network side Access Control turned on to block FTP into the NSE enabled via Telnet or Serial connection
CLI: SSH net access enabled. (version x.4.2)	Network side Access Control turned on to block SSH into the NSE enabled via Telnet or Serial connection
WMI: SSH subscriber access blocked. (version x.4.2)	Subscriber side Access Control turned on to block SSH into the NSE enabled via Web Interface
WMI: SSH subscriber access enabled. (version x.4.2)	Subscriber side Access Control turned on to block SSH into the NSE enabled via Web Interface
CLI: SSH subscriber access blocked. (version x.4.2)	Subscriber side Access Control turned on to block SSH access into the NSE enabled via Telnet or Serial connection
CLI: SSH subscriber access enabled. (version x.4.2)	Subscriber side Access Control turned off to allow SSH access into the NSE enabled via Telnet or Serial connection
WMI: Telnet net access blocked. (version x.4.2)	Network side Access Control turned on to block Telnet into the NSE enabled via Web Interface
WMI: Telnet net access enabled. (version x.4.2)	Network side Access Control turned off to allow FTP access into the NSE via Web Interface
CLI: Telnet net access blocked. (version x.4.2)	Network side Access Control turned on to block Telnet into the NSE enabled via Telnet or Serial connection
CLI: Telnet net access enabled. (version x.4.2)	Network side Access Control turned off to allow Telnet access into the NSE via Serial connection
WMI: Telnet subscriber access blocked. (version x.4.2)	Subscriber side Access Control turned on to block Telnet into the NSE enabled via Web Interface

WMI: Web subscriber access blocked.	Subscriber side Access Control turned on to block Web access into the NSE enabled via Web Interface
WMI: Web subscriber access enabled.	Subscriber side Access Control turned off to allow Web access into the NSE enabled via Web Interface
CLI: Web subscriber access blocked.	Subscriber side Access Control turned on to block Web access into the NSE enabled via Web Interface
CLI: Web subscriber access enabled.	Subscriber side Access Control turned off to allow Web access into the NSE enabled via Telnet or Serial connection
DM: Table accessControl_IP, writeRow failed. rc 1 (Access Control IP List Full)	Access Control list is at its maximum of 50 entries
End of Access Control related syslog messages	

Requested reboot syslog messages	
WWS: 0254 Requesting reboot	A reboot was requested from the Web Interface of the NSE
CLI_TN: 0254 Requesting reboot	A reboot was requested from a Telnet connection to the NSE
CLI_SR: 0254 Requesting reboot	A reboot was requested from the Serial of the NSE
End of requested reboot syslog messages	

The following syslog messages are related to Failover	
NDX_ADNS: dataMemAlloc failed. Rebooting	DNS memory space failed to allocate so the system will reboot and try to re-allocate the memory.
NDX_FOVR: checkForHeartbeat: Recv Secondary Heartbeat (Uptime=30ea4e)	Primary unit received heartbeat from secondary unit
NDX_FOVR: currFilePtr does not exist	When trying to copy the Currfile.dat from memory to the Filesystem the secondary failed to find the currfile in memory.
NDX_FOVR: emergencyFromSibling: Enter	The Message from the sibling was not a heartbeat but is read as ENTER, usually because the sibling is not configured with failover enabled and has just rebooted.

NDX_FOVR: emergencyFromSibling: Secondary got ICMP from peer	one is when the Secondary doesn't have a primary yet and the primary is first enabled and sends the Gratuitous ARP
NDX_FOVR: I am the Primary	The Primary NSE has started and identified itself as the primary unit
NDX_FOVR: I am the Secondary	The Secondary NSE has started and identified itself as the secondary unit
NDX_FOVR: initHeartbeatMonitor: Enter	The Heartbeat monitor has initialized.
NDX_FOVR: initHeartbeatMonitor: Job inserted.	Job has been inserted to listen for periodic Heartbeats from Primary.
NDX_FOVR: monitorHeartbeat: Enter with heartbeat count = 0	Heartbeat monitor for Failover. The Number is how many heartbeats have been missed.
NDX_FOVR: ndxDisableInterface: Stopped Subscriber Interface NDX_FOVR: ndxDisableInterface: Enter	Failover has stopped the Subscriber interface until it determines that it is the Primary.
NDX_FOVR: ndxEnableInterface: Subscriber Interface started	Primary configured for Failover has determined it is the only Primary and has restarted the Subscriber interface.
NDX_FOVR: runPrimary: All Files sent.	The primary unit has finished transferring all files to the secondary unit.
NDX_FOVR: runPrimary: Failed to send Updates	Primary in Failover Mode was unable to complete transfer of file updates.
NDX_FOVR: runSecondary: Getting Files Xfer = 0	First file being transferred from the primary to the secondary.
NDX_FOVR: runSecondary: Getting Files Xfer = 1	Next file being transferred.
NDX_FOVR: runSecondary: Got checksum 8d4e	Checksum for the file transferred from the Primary to the Secondary.
NDX_FOVR: runSecondary: Got End of Update for 20 files.	Secondary received the end of the updated files.
NDX_FOVR: runSecondary: Got Primary Heartbeat NDX_FOVR: runSecondary: Got Primary Heartbeat (uptime = 360cbe, seqNo = 30ea4e)	Secondary in Failover Mode received the Primary Heartbeat.
NDX_FOVR: runSecondary: Got y bytes in /flash/ x NDX_FOVR: runSecondary: Got 216 bytes in /flash/RoomFile.dat	Secondary received file x of size y
NDX_FOVR: runSecondary: initHeartbeatMonitor Succeeded!	Secondary in Failover mode Started the TOQ Job to listen for Heartbeats from the Primary.
NDX_FOVR: SaveFileUpdates: Updated /flash/filename	The secondary unit has received a file from the primary and has updated it in memory.

NDX_FOVR: SendFile: Failed to SendTCPData	Failed to send the Data for the file after the TCP socket has been opened.
NDX_FOVR: SendFileByName: sent /flash/filename with xxx bytes	The primary unit sent the file listed and the size of the file
NDX_FOVR: SendFileByName: Sent checksum d209 size: 371	The primary unit sent the checksum for the file it transmitted.
NDX_FOVR: SendFileUpdate: stat Failed.	Status check of sending file updates failed.
NDX_FOVR: SendFileUpdates: Failed to send file	File send failed from Primary to Secondary.
NDX_FOVR: waitForHeartbeat: Recv Secondary Heartbeat	Primary in Failover mode received the heartbeat from the Secondary.
End of Failover related syslog messages	