Ubuntu 14.04 LTS OSP1 Desktop Certified Hardware Test Cases Guide

Name	Certification status	Description

audio/playback_displayport *	blocker	PURPOSE:
		   DisplayPort audio interface verification
		STEPS:
		   1. Plug an external DisplayPort device with sound (Use only one
		      HDMI/DisplayPort/Thunderbolt interface at a time for this test)
		   2. Click the Test button
		VERIFICATION:
		   Did you hear the sound from the DisplayPort device?

audio/playback_hdmi *	blocker	PURPOSE:
		   HDMI audio interface verification
		STEPS:
		   1. Plug an external HDMI device with sound (Use only one HDMI/DisplayPort/Thunderbolt interface at a time for this test)
		   2. Click the Test button
		VERIFICATION:
		   Did you hear the sound from the HDMI device?

audio/playback_thunderbolt *	non-blocker	PURPOSE:
		   Thunderbolt audio interface verification
		STEPS:
		   1. Plug an external Thunderbolt device with sound (Use only one
		      HDMI/DisplayPort/Thunderbolt interface at a time for this test)
		   2. Click the Test button
		VERIFICATION:
		   Did you hear the sound from the Thunderbolt device?

audio/alsa_record_playback_automated	blocker	Play back a sound on the default output and listen for it on the default input.

audio/alsa_record_playback_external	blocker	PURPOSE:
		   This test will check that recording sound using an external microphone works correctly
		STEPS:
		   1. Connect a microphone to your microphone port
		   2. Click "Test", then speak into the external microphone
		   3. After a few seconds, your speech will be played back to you
		VERIFICATION:
		   Did you hear your speech played back?

audio/alsa_record_playback_internal	blocker	PURPOSE:
		   This test will check that recording sound using the onboard microphone works correctly
		STEPS:
		   1. Disconnect any external microphones that you have plugged in
		   2. Click "Test", then speak into your internal microphone
		   3. After a few seconds, your speech will be played back to you.
		VERIFICATION:
		   Did you hear your speech played back?

audio/list_devices		Test to detect audio devices

audio/microphone-plug-detection	blocker	PURPOSE:
		   Check that system detects a microphone being plugged in
		STEPS:
		   1. Prepare a microphone with a standard 3.5mm jack
		   2. Locate the microphone jack on the device under test.
		      Keep in mind that it may be shared with the headphone jack.
		   3. Run the test (you have 30 seconds from now on)
		   4. Plug the microphone into the appropriate jack
		   5. Unplug the device for subsequent tests.
		VERIFICATION:
		   Verification is automatic, no action is required.
		   The test times out after 30 seconds (and fails in that case).

audio/playback_auto	blocker	PURPOSE:
		   This test will check that internal speakers work correctly
		STEPS:
		   1. Make sure that no external speakers or headphones are connected
		      When testing a desktop, you can skip this test if there is no
		      internal speaker, we will test the external output later
		   2. Click the Test button to play a brief tone on your audio device
		VERIFICATION:
		   Did you hear a tone?

audio/playback_headphones	blocker	PURPOSE:
		   This test will check that headphones connector works correctly
		STEPS:
		   1. Connect a pair of headphones to your audio device
		   2. Click the Test button to play a sound to your audio device
		VERIFICATION:
		   Did you hear a sound through the headphones and did the sound play without any distortion, clicks or other strange noises from your headphones?

Name	Certification status	Description
audio/speaker-headphone-plug-detection	blocker	PURPOSE: Check that system detects speakers or headphones being plugged in STEPS: 1. Prepare a pair of headphones or speakers with a standard 3.5mm jack 2. Locate the speaker / headphone jack on the device under test 3. Run the test (you have 30 seconds from now on) 4. Plug headphones or speakers into the appropriate jack 5. Unplug the device for subsequent tests. VERIFICATION: Verification is automatic, no action is required. The test times out after 30 seconds (and fails in that case).

Name	Certification status	Description
benchmarks/disk/hdparm-cache-read		Benchmark for each disk
benchmarks/disk/hdparm-read		Benchmark for each disk
benchmarks/graphics/gtkperf		Run gtkperf to make sure that GTK based test cases work

Name	Certification status	Description
bluetooth/audio	blocker	PURPOSE: This test will check the Telephony Duplex capability of your bluetooth device, to see if you can record and hear audio from it simultaneously. STEPS: 1. Enable the bluetooth headset 2. Click on the bluetooth icon in the menu bar 3. Select "Setup new device" 4. Look for the device in the list and pair it 5. Click the sound icon 6. Click "Sound Settings" 7. Select device and ensure Mode is set to "Telephony Duplex (HSP/HFP)" 8. Click "Test" to record and play for five seconds in the bluetooth device VERIFICATION: Did you hear the sound you recorded in the bluetooth with a slight intended delay?
bluetooth/audio-a2dp	blocker	PURPOSE: This test will check that you can record and hear audio using a bluetooth audio device STEPS: 1. Enable the bluetooth headset 2. Click on the sound icon 3. Click "Sound Settings" 4. Look for the device in the list and select it 5. Set Quality to A2DP 6. Click "Test" to record for five seconds and reproduce in the bluetooth device VERIFICATION: Did you hear the sound?
bluetooth/browse-files	blocker	PURPOSE: This test will check that bluetooth connection works correctly STEPS: 1. Enable bluetooth on any mobile device (PDA, smartphone, etc.) 2. Click on the bluetooth icon in the menu bar 3. Select 'Setup new device' 4. Look for the device in the list and select it 5. In the device write the PIN code automatically chosen by the wizard 6. The device should pair with the computer 7. Right-click on the bluetooth icon and select browse files 8. Authorize the computer to browse the files in the device if needed 9. You should be able to browse the files VERIFICATION: Did all the steps work?
bluetooth/detect-output	blocker	Automated test to store bluetooth device information in checkbox report
bluetooth/file-transfer	blocker	PURPOSE: This test will check that you can transfer information through a bluetooth connection STEPS: 1. Make sure that you're able to browse the files in your mobile device 2. Copy a file from the computer to the mobile device 3. Copy a file from the mobile device to the computer VERIFICATION: Were all files copied correctly?
bluetooth/HID	blocker	PURPOSE: This test will check that you can use a BlueTooth HID device STEPS: 1. Enable either a BT mouse or keyboard 2. Click on the bluetooth icon in the menu bar 3. Select 'Setup new device' 4. Look for the device in the list and select it 5. For mice, perform actions such as moving the pointer, right and left button clicks and double clicks 6. For keyboards, click the Test button to lauch a small tool. Enter some text into the tool and close it. VERIFICATION: Did the device work as expected?

Name	Certification status	Description
camera/detect	blocker	This Automated test attempts to detect a camera.

Name	Certification status	Description

camera/display	blocker	PURPOSE:
		    This test will check that the built-in camera works
		STEPS:
		    1. Click on Test to display a video capture from the camera for ten seconds.
		VERIFICATION:
		    Did you see the video capture?

camera/multiple-resolution-images	blocker	Takes multiple pictures based on the resolutions supported by the camera and validates their size and that they are of a valid format.

camera/still	blocker	PURPOSE:
		    This test will check that the built-in camera works
		STEPS:
		    1. Click on Test to display a still image from the camera for ten seconds.
		VERIFICATION:
		    Did you see the image?

Name	Certification status	Description
cpu/clocktest		Test for clock jitter.
cpu/cstates	blocker	Run Firmware Test Suite (fwts) cstates tests.
cpu/maxfreq_test	blocker	Test that the CPU can run at its max frequency using Firmware Test Suite (fwts cpufreq).
cpu/offlining_test	blocker	Test offlining CPUs in a multicore system.
cpu/scaling_test	blocker	Test the CPU scaling capabilities using Firmware Test Suite (fwts cpufreq).
cpu/topology	blocker	This test checks cpu topology for accuracy

Name	Certification status	Description
disk/detect	blocker	Detects and displays disks attached to the system.
disk/hdd-parking	non-blocker	PURPOSE: This test checks that a systems drive protection mechanism works properly. STEPS: 1. Click on Test 2. Move the system under test around, ensuring it is raised and lowered at some point. VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.
disk/read_performance	blocker	Verify system storage performs at or above baseline performance
disk/smart	blocker	SMART test
disk/stats		Check stats changes for each disk
disk/storage_devices		Verify that storage devices, such as Fibre Channel and RAID can be detected and perform under stress.

Name	Certification status	Description

esata/insert	blocker	PURPOSE:
		    This test will check the system can detect the insertion of an eSATA HDD
		STEPS:
		    1. Click 'Test' to begin the test. This test will
		      timeout and fail if the insertion has not been detected within 20 seconds.
		    2. Plug an eSATA HDD into an available eSATA port.
		VERIFICATION:
		    The verification of this test is automated. Do not change the automatically
		    selected result

esata/remove	blocker	PURPOSE:
		    This test will check the system can detect the removal of an eSATA HDD
		STEPS:
		    1. Click 'Test' to begin the test. This test will timeout and fail if
		      the removal has not been detected within 20 seconds.
		    2. Remove the previously attached eSATA HDD from the eSATA port.
		VERIFICATION:
		    The verification of this test is automated. Do not change the automatically
		    selected result

esata/storage-test	blocker	This is an automated test which performs read/write operations on an attached eSATA HDD

Name	Certification status	Description

expresscard/verification	blocker	PURPOSE:
		    This will verify that an ExpressCard slot can detect inserted devices.
		STEPS:
		    Skip this test if you do not have an ExpressCard slot.
		    1. Plug an ExpressCard device into the ExpressCard slot
		VERIFICATION:
		    Was the device correctly detected?

Name	Certification status	Description

firewire/insert	blocker	PURPOSE:
		    This test will check the system can detect the insertion of a FireWire HDD
		STEPS:
		    1. Click 'Test' to begin the test. This test will
		      timeout and fail if the insertion has not been detected within 20 seconds.
		    2. Plug a FireWire HDD into an available FireWire port.
		VERIFICATION:
		    The verification of this test is automated. Do not change the automatically
		    selected result

for hybrid systems those tests will run for both cards.

Name	Certification status	Description

firewire/remove	blocker	PURPOSE:
		   This test will check the system can detect the removal of a FireWire HDD
		STEPS:
		   1. Click 'Test' to begin the test. This test will timeout and fail if
		     the removal has not been detected within 20 seconds.
		   2. Remove the previously attached FireWire HDD from the FireWire port.
		VERIFICATION:
		   The verification of this test is automated. Do not change the automatically
		     selected result

firewire/storage-test	blocker	This is an automated test which performs read/write operations on an attached FireWire HDD

firmware/fwts		Automated tests for firmware using Firmware Test Suite.
firmware/fwts_desktop_diagnosis		Run Firmware Test Suite (fwts) desktop-specific diagnosis tests.
firmware/fwts_logs		Automated tests for firmware using Firmware Test Suite.
firmware/fwts_uefirtvariable	blocker	UEFI Runtime service variable interface test
firmware/fwts_wakealarm	blocker	Test ACPI Wakealarm (fwts wakealarm)
firmware/no_ACPI_REV_interface	blocker	This Automated test checks misuse of the _REV interface in ACPI [DS]SDT tables

graphics/compiz_check *	blocker	Test Compiz support

graphics/cycle_resolution *	non-blocker	PURPOSE:
		   This test cycles through the detected video modes for the graphics card
		STEPS:
		   1. Click "Test" to start cycling through the video modes
		VERIFICATION:
		   Did the screen appear to be working for each mode?

graphics/driver_version *	blocker	Parses Xorg.0.Log and discovers the running X driver and version for the graphics card

graphics/glxgears *	blocker	PURPOSE:
		   This test tests the basic 3D capabilities of your video card
		STEPS:
		   1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close.
		   2. Verify that the animation is not jerky or slow.
		VERIFICATION:
		   1. Did the 3d animation appear?
		   2. Was the animation free from slowness/jerkiness?

graphics/maximum_resolution *	blocker	PURPOSE:
		   This test will verify the maximum supported resolution on the graphics card.
		STEPS:
		   1. Select the graphics card (a reboot may be necessary)
		   2. Consult the system's specifications and locate the screen's maximum supported resolution.
		   3. Click on Test to display the maximum resolution that can be used by Ubuntu on the current display.
		VERIFICATION:
		   Is this the maximum resolution for the display connected to the graphics card?

graphics/minimum_resolution *		Ensure the current resolution meets or exceeds the recommended minimum resolution (800x600) on the graphics card.

graphics/rotation *	blocker	PURPOSE:
		   This test will test display rotation on the graphics card
		STEPS:
		   1. Click "Test" to test display rotation. The display will be rotated every 4 seconds.
		   2. Check if all rotations (normal right inverted left) took place without permanent screen corruption
		VERIFICATION:
		   Did the display rotation take place without without permanent screen corruption?

graphics/switch_card *	blocker	PURPOSE:
		   Manually switch to the second card.
		STEPS:
		   1. If your system is already running with the second card, then please mark this test as "passed" and proceed.
		   2. Using the appropriate tool (either NVidia settings or AMD Control Center), switch your system to use the second graphics card. This will require restarting your session.
		   3. Once the session restarts, please restart this testing program and select "continue" when prompted for a resume action.
		   4. Don't answer the verification question until the system has restarted with the second card enabled.
		VERIFICATION:
		   Is the system using the second card now?

graphics/video *	blocker	PURPOSE:
		   This test will test the default display with a sample video
		STEPS:
		   1. Click "Test" to display a video test.
		VERIFICATION:
		   Do you see color bars and static?

graphics/VESA_drivers_not_in_use	blocker	Check that VESA drivers are not in use
graphics/xorg-failsafe	blocker	Test that the X is not running in failsafe mode.
graphics/xorg-process	blocker	Test that the X process is running.
graphics/xorg-version	blocker	Test to output the Xorg version

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Name	Certification status	Description
input/accelerometer	non-blocker	PURPOSE: This test will test your accelerometer to see if it is detected and operational as a joystick device. STEPS: 1. Click on Test 2. Tilt your hardware in the directions onscreen until the axis threshold is met. VERIFICATION: Is your accelerometer properly detected? Can you use the device?
input/accelerometer_verify	non-blocker	PURPOSE: Manual detection of accelerometer. STEPS: 1. Look at the specifications for your system. VERIFICATION: Is this system supposed to have an accelerometer?
input/clicking		Click tests for pointing devices.
input/keyboard	blocker	PURPOSE: This test will test your keyboard STEPS: 1. Click on Test 2. On the open text area, use your keyboard to type something VERIFICATION: Is your keyboard working properly?
input/pointing		Pointing device tests.

Name	Certification status	Description
keys/battery-info	blocker	PURPOSE: This test will test the battery information key STEPS: Skip this test if you do not have a Battery Button. 1. Click Test to begin 2. Press the Battery Info button (or combo like Fn+F3) 3: Close the Power Statistics tool if it opens VERIFICATION: Did the Battery Info key work as expected?
keys/brightness	blocker	PURPOSE: This test will test the brightness key STEPS: 1. Press the brightness buttons on the keyboard VERIFICATION: Did the brightness change following to your key presses?
keys/hibernate	blocker	PURPOSE: This test will test the hibernate key STEPS: 1. Press the hibernate key on the keyboard 2. Check that the system hibernated correctly 3. Wake your system after hibernating by pressing the power button VERIFICATION: Did the system go to hibernate after pressing the hibernate key?
keys/keyboard-backlight	blocker	PURPOSE: Verify that the keyboard backlight toggle key works properly STEPS: 1. Tap the keyboard backlight key 2. Confirm that the keyboard backlight was toggled to the opposite state 3. Tap the keyboard backlight key again 4. Confirm that the keyboard backlight was toggled to the opposite state VERIFICATION: Did the keyboard backlight state change on each press?
keys/keyboard-overhead-light	blocker	PURPOSE: This test will test the keyboard overhead light key or switch STEPS: 1. Press the keyboard overhead light key or swtich on the light 2. Check the the keyboard overhead light turn on correctly 3. Press the key or switch again to toggle off the light VERIFICATION: Did the keyboard overhead light key or switch turns on and off the light?
keys/lock-screen	blocker	PURPOSE: This test will test the screen lock key STEPS: 1. Press the Test button to begin this test. If there is no such key, please skip this test. 2. Press the lock screen button on the keyboard in 30 seconds. 3. If the screen is locked, move the mouse or press any key to activate the prompt. 4. Input the password to unlock the screen. VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.
keys/media-control	blocker	PURPOSE: This test will test the media keys of your keyboard STEPS: Skip this test if your computer has no media keys. 1. Click test to open a window on which to test the media keys. 2. If all the keys work, the test will be marked as passed. VERIFICATION: Do the keys work as expected?

* for hybrid systems those tests will run for both cards.

Name	Certification status	Description

keys/microphone-mute	blocker	PURPOSE:
		    This test will test the mute key for your microphone
		STEPS:
		    1. Click "Test" then speak: "Imagination is more important than knowledge" (or anything else) into your microphone.
		    2. While you are speaking, please press the mute key for the microphone to mute it and press it again to unmute.
		    3. After a few seconds, your speech will be played back to you. If the key works, your speech should be interrupted for a few seconds.
		VERIFICATION:
		    Does the microphone mute key work as expected?

keys/mute	blocker	PURPOSE:
		    This test will test the mute key of your keyboard
		STEPS:
		    1. Click test to open a window on which to test the mute key.
		    2. If the key works, the test will pass and the window will close.
		VERIFICATION:
		    Does the mute key work as expected?

keys/sleep	blocker	PURPOSE:
		    This test will test the sleep key
		STEPS:
		    1. Press the sleep key on the keyboard
		    2. Wake your system up by pressing the power button
		VERIFICATION:
		    Did the system go to sleep after pressing the sleep key?

keys/super	blocker	PURPOSE:
		    This test will test the super key of your keyboard
		STEPS:
		    1. Click test to open a window on which to test the super key.
		    2. If the key works, the test will pass and the window will close.
		VERIFICATION:
		    Does the super key work as expected?

keys/video-out	blocker	PURPOSE:
		    Validate that the External Video hot key is working as expected
		STEPS:
		    1. Plug in an external monitor
		    2. Press the display hot key to change the monitors configuration
		VERIFICATION:
		    Check that the video signal can be mirrored, extended, displayed on external or onboard only.

keys/volume	blocker	PURPOSE:
		    This test will test the volume keys of your keyboard
		STEPS:
		    Skip this test if your computer has no volume keys.
		    1. Click test to open a window on which to test the volume keys.
		    2. If all the keys work, the test will be marked as passed.
		VERIFICATION:
		    Do the keys work as expected?

keys/wireless	blocker	PURPOSE:
		    This test will test the wireless key
		STEPS:
		    1. Press the wireless key on the keyboard
		    2. Check that the wifi LED turns off or changes color
		    3. Check that wireless is disabled
		    4. Press the same key again
		    5. Check that the wifi LED turns on or changes color
		    6. Check that wireless is enabled
		VERIFICATION:
		    Did the wireless turn off on the first press and on again on the second?
		    (NOTE: the LED functionality will be reviewed in a following test. Please only consider the functionality of the wifi itself here.)

led/bluetooth	non-blocker	PURPOSE:
		    Validate that the Bluetooth LED turns on and off when BT is enabled/disabled
		STEPS:
		    1. Switch bluetooth off from a hardware switch (if present)
		    2. Switch bluetooth back on
		    3. Switch bluetooth off from the panel applet
		    4. Switch bluetooth back on
		VERIFICATION:
		    Did the bluetooth LED turn off and on twice?

led/camera	blocker	PURPOSE:
		    Camera LED verification
		STEPS:
		    1. Select Test to activate camera
		    2. Camera LED should light for a few seconds
		VERIFICATION:
		    Did the camera LED light?

Name	Certification status	Description
led/caps-lock	blocker	PURPOSE: Block cap keys LED verification STEPS: 1. Press "Block Cap Keys" to activate/deactivate cap keys blocking 2. Cap Keys LED should be switched on/off every time the key is pressed VERIFICATION: Did the Cap Keys LED light as expected?
led/microphone-mute	non-blocker	PURPOSE: Microphone Mute LED verification. STEPS: Skip this test if your system does not have a special Microphone Mute LED. 1. Press the Microphone Mute key twice and observe the Microphone LED to determine if it either turned off and on or changed colors. VERIFICATION: Did the Microphone Mute LED turn on and off or change color as expected?
led/mute	blocker	PURPOSE: Audio Mute LED verification. STEPS: Skip this test if your system does not have a special Audio Mute LED. 1. Press the Mute key twice and observe the Audio LED to determine if it either turned off and on or changed colors. VERIFICATION: Did the Audio LED turn on and off or change color as expected?
led/numeric-keypad	blocker	PURPOSE: Numeric keypad LED verification STEPS: 1. Press "Block Num" key to toggle numeric keypad LED 2. Click on the "Test" button to open a window to verify your typing 3. Type using the numeric keypad both when the LED is on and off VERIFICATION: 1. Numeric keypad LED status should toggle everytime the "Block Num" key is pressed 2. Numbers should only be entered in the keyboard verification window when the LED is on
led/power	blocker	PURPOSE: Power LED verification STEPS: 1. Power LED should be on while device is switched on VERIFICATION: Does the power LED light as expected?
led/power-blink-suspend	blocker	PURPOSE: Power LED verification STEPS: 1. The Power LED should blink or change color while the system is suspended VERIFICATION: Did the Power LED blink or change color while the system was suspended for the previous suspend test?
led/suspend	blocker	PURPOSE: Suspend LED verification. STEPS: Skip this test if your system does not have a dedicated Suspend LED. 1. The Suspend LED should blink or change color while the system is suspended VERIFICATION Did the Suspend LED blink or change color while the system was suspended?
led/wlan	non-blocker	PURPOSE: WLAN LED verification STEPS: 1. During the keys/wireless test you should have observed the wireless LED while turning wireless back on. 2. WLAN LED should light or change color when wireless is turned on VERIFICATION: Did the WLAN LED turn on or change color as expected?
led/wlan-disabled		PURPOSE: Validate that WLAN LED shuts off when disabled STEPS: 1. During the keys/wireless test you should have observed the WLAN LED while performing that test after turning wireless off. 2. WLAN LED should turn off or change color when wireless is turned off VERIFICATION: Did the WLAN LED turn off or change color as expected?

Name	Certification status	Description
mediacard/mmc-insert	non-blocker	PURPOSE: This test will check that the systems media card reader can detect the insertion of a Multimedia Card (MMC) media STEPS: 1. Click "Test" and then insert an MMC card into the reader. If a file browser opens up, you can safely close it. (Note: this test will time-out after 20 seconds.) 2. Do not remove the device after this test. VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.

* for hybrid systems those tests will run for both cards.

Name	Certification status	Description

mediacard/mmc-remove	non-blocker	PURPOSE:
		   This test will check that the system correctly detects
		   the removal of the MMC card from the systems card reader.
		STEPS:
		   1. Click "Test" and then remove the MMC card from the reader.
		      (Note: this test will time-out after 20 seconds.)
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

mediacard/mmc-storage	non-blocker	This test is automated and executes after the mediacard/mmc-insert test is run. It tests reading and writing to the MMC card.

mediacard/sd-insert	blocker	PURPOSE:
		   This test will check that the systems media card reader can
		   detect the insertion of an UNLOCKED Secure Digital (SD) media card
		STEPS:
		   1. Click "Test" and then insert an UNLOCKED SD card into the reader.
		      If a file browser opens up, you can safely close it.
		      (Note: this test will time-out after 20 seconds.)
		   2. Do not remove the device after this test.
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

mediacard/sd-remove	blocker	PURPOSE:
		   This test will check that the system correctly detects
		   the removal of an SD card from the systems card reader.
		STEPS:
		   1. Click "Test" and then remove the SD card from the reader.
		      (Note: this test will time-out after 20 seconds.)
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

mediacard/sd-storage	blocker	This test is automated and executes after the mediacard/sd-insert test is run. It tests reading and writing to the SD card.

mediacard/sdhc-insert	blocker	PURPOSE:
		   This test will check that the systems media card reader can
		   detect the insertion of a UNLOCKED Secure Digital High-Capacity
		   (SDHC) media card
		STEPS:
		   1. Click "Test" and then insert an UNLOCKED SDHC card into the reader.
		      If a file browser opens up, you can safely close it.
		      (Note: this test will time-out after 20 seconds.)
		   2. Do not remove the device after this test.
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

mediacard/sdhc-remove	blocker	PURPOSE:
		   This test will check that the system correctly detects
		   the removal of an SDHC card from the systems card reader.
		STEPS:
		   1. Click "Test" and then remove the SDHC card from the reader.
		      (Note: this test will time-out after 20 seconds.)
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

mediacard/sdhc-storage	blocker	This test is automated and executes after the mediacard/sdhc-insert test is run. It tests reading and writing to the SDHC card.

Name	Certification status	Description
memory/check	blocker	Test and exercise memory.
memory/info	blocker	This test checks the amount of memory which is reporting in meminfo against the size of the memory modules detected by DMI.

Name	Certification status	Description
miscellanea/dmitest_client		Sanity check of DMI system identification data (for desktops & laptops)
miscellanea/oops	blocker	Run Firmware Test Suite (fwts) oops tests.

Name	Certification status	Description
mobilebroadband/cdma_connection	non-blocker	Creates a mobile broadband connection for a CDMA based modem and checks the connection to ensure it's working.
mobilebroadband/gsm_connection	non-blocker	Creates a mobile broadband connection for a GSM based modem and checks the connection to ensure it's working.

Name	Certification status	Description

monitor/dim_brightness *	blocker	PURPOSE:
		   This test will test changes to screen brightness
		STEPS:
		   1. Click "Test" to try to dim the screen.
		   2. Check if the screen was dimmed approximately to half of the maximum brightness.
		   3. The screen will go back to the original brightness in 2 seconds.
		VERIFICATION:
		   Was your screen dimmed approximately to half of the maximum brightness?

for hybrid systems those tests will run for both cards.

Name	Certification status	Description

monitor/displayport *	blocker	PURPOSE:
		   This test will check your DisplayPort port.
		STEPS:
		   Skip this test if your system does not have a DisplayPort port.
		   1. Connect a display (if not already connected) to the DisplayPort port on your system
		VERIFICATION:
		   Was the desktop displayed correctly on both screens?

monitor/dvi *	blocker	PURPOSE:
		   This test will check your DVI port.
		STEPS:
		   Skip this test if your system does not have a DVI port.
		   1. Connect a display (if not already connected) to the DVI port on your system
		VERIFICATION:
		   Was the desktop displayed correctly on both screens?

monitor/hdmi *	blocker	PURPOSE:
		   This test will check your HDMI port.
		STEPS:
		   Skip this test if your system does not have a HDMI port.
		   1. Connect a display (if not already connected) to the HDMI port on your system
		VERIFICATION:
		   Was the desktop displayed correctly on both screens?

monitor/multi-head *	blocker	PURPOSE:
		   This test verifies that multi-monitor output works on your desktop system. This is NOT the same test as the external monitor tests you would run on your laptop. You will need two monitors to perform this test.
		STEPS:
		   Skip this test if your video card does not support multiple monitors.
		   1. If your second monitor is not already connected, connect it now
		   2. Open the "Displays" tool (open the dash and search for "Displays")
		   3. Configure your output to provide one desktop across both monitors
		   4. Open any application and drag it from one monitor to the next.
		VERIFICATION:
		   Was the stretched desktop displayed correctly across both screens?

monitor/powersaving *	blocker	PURPOSE:
		   This test will check your monitor power saving capabilities
		STEPS:
		   1. Click "Test" to try the power saving capabilities of your monitor
		   2. Press any key or move the mouse to recover
		VERIFICATION:
		   Did the monitor go blank and turn on again?

monitor/rca *	blocker	PURPOSE:
		   This test will check your RCA port.
		STEPS:
		   Skip this test if your system does not have a RCA port.
		   1. Connect a display (if not already connected) to the RCA port on your system
		VERIFICATION:
		   Was the desktop displayed correctly on both screens?

monitor/svideo *	blocker	PURPOSE:
		   This test will check your S-VIDEO port.
		STEPS:
		   Skip this test if your system does not have a S-VIDEO port.
		   1. Connect a display (if not already connected) to the S-VIDEO port on your system
		VERIFICATION:
		   Was the desktop displayed correctly on both screens?

monitor/thunderbolt *	non-blocker	PURPOSE:
		   This test will check your Thunderbolt port as a monitor interconnect.
		STEPS:
		   1. Connect a display (if not already connected) to the Thunderbolt port on
		      your system
		   2. Switch display modes between in your Display Settings, check if it can be
		      set to mirrored, extended, displayed on external or onboard only
		VERIFICATION:
		   Was the desktop displayed correctly on the Thunderbolt-connected
		   screen in every mode?

monitor/vga *	blocker	PURPOSE:
		   This test will check your VGA port.
		STEPS:
		   Skip this test if your system does not have a VGA port.
		   1. Connect a display (if not already connected) to the VGA port on your system
		VERIFICATION:
		   Was the desktop displayed correctly on both screens?

ethernet/detect	blocker	Test to detect the available network controllers
networking/gateway_ping	blocker	Tests whether the system has a working Internet connection.
networking/info	blocker	Network Information
networking/info_eth	blocker	Network Information (Ethernet)
networking/info_wlan	blocker	Network Information (Wireless)
networking/ntp	blocker	Test to see if we can sync local clock to an NTP server

optical/bluray-read	blocker	Automated Blu-Ray read test.
optical/bluray-write	blocker	Automated Blu-Ray write test.

for hybrid systems those tests will run for both cards.

Name	Certification status	Description
optical/cdrom-write	blocker	CD write test.
optical/detect	blocker	Test to detect the optical drives
optical/dvd-write	blocker	DVD write test.
optical/read	blocker	Optical read test.

Name	Certification status	Description

power-management/hibernate_advanced *	non-blocker	PURPOSE:
		   This test will check to make sure your system can successfully hibernate (if supported)
		STEPS:
		   1. Click on Test
		   2. The system will hibernate and should wake itself within 5 minutes
		   3. If your system does not wake itself after 5 minutes, please press the power button to wake the system manually
		   4. If the system fails to resume from hibernate, please restart System Testing and mark this test as Failed
		VERIFICATION:
		   Did the system successfully hibernate and did it work properly after waking up?

power-management/fwts_wakealarm	blocker	Test ACPI Wakealarm (fwts wakealarm)
power-management/hibernate_30_cycles	non-blocker	PURPOSE: This is an automated stress test that will force the system to hibernate/resume for 30 cycles

power-management/lid	blocker	PURPOSE:
		   This test will check your lid sensors.
		STEPS:
		   1. Close your laptop lid.
		VERIFICATION:
		   Does closing your laptop lid cause your system to suspend?

power-management/lid_close	blocker	PURPOSE:
		   This test will check your lid sensors
		STEPS:
		   1. Click "Test".
		   2. Close and open the lid.
		VERIFICATION:
		   Did the screen turn off while the lid was closed?

power-management/lid_open	blocker	PURPOSE:
		   This test will check your lid sensors.
		STEPS:
		   1. Click "Test".
		   2. Close the lid.
		   3. Wait 5 seconds with the lid closed.
		   4. Open the lid.
		VERIFICATION:
		   Did the system resume when the lid was opened?

power-management/poweroff	blocker	PURPOSE: This test will check the system's ability to power-off and boot. STEPS: 1. Select "Test" to begin. 2. The machine will shut down. 3. Power the machine back on. 4. After rebooting, wait for the test prompts to inform you that the test is complete. 5. Once the test has completed, restart checkbox and select 'Re-run' when prompted. VERIFICATION: If the machine successfully shuts down and boots, select 'Yes', otherwise, select 'No'.
power-management/reboot	blocker	PURPOSE: This test will check the system's ability to reboot cleanly. STEPS: 1. Select "Test" to begin. 2. The machine will reboot. 3. After rebooting, wait for the test prompts to inform you that the test is complete. 4. Once the test has completed, restart checkbox and select Re-Run when prompted. VERIFICATION: If the machine successfully reboots, select Yes then select Next.
power-management/rtc	blocker	Verify that the Real-time clock (RTC) device functions properly, if present
power-management/suspend_30_cycles	blocker	PURPOSE: This is an automated stress test that will force the system to suspend/resume for 30 cycles.
power-management/suspend-30-cycles-time-check	non-blocker	Checks the sleep times to ensure that a machine suspends and resumes within a given threshold
power-management/tickless_idle	blocker	Check to see if CONFIG_NO_HZ is set in the kernel (this is just a simple regression check)

Name	Certification status	Description
stress/cpu_stress_test	blocker	PURPOSE: Create jobs that use the CPU as much as possible for two hours. The test is considered passed if the system does not freeze.

Name	Certification status	Description
suspend/compiz_check_after_suspend *	blocker	Check that your video card is able to run compiz after suspend

*for hybrid systems those tests will run for both cards.

Name	Certification status	Description

suspend/cycle_resolutions_after_suspend *	non-blocker	PURPOSE:
		    This test will cycle through the detected display modes
		STEPS:
		    1. Click "Test" and the display will cycle trough the display modes
		VERIFICATION:
		    Did your display look fine in the detected mode?

suspend/display_after_suspend *	blocker	PURPOSE:
		    This test will check that the display is correct after suspend and resume on the graphics card.
		STEPS:
		    1. Check that your display does not show up visual artifacts after resuming.
		VERIFICATION:
		    Does the display work normally after resuming from suspend using the graphics card?

suspend/driver_version_after_suspend *	blocker	Parses Xorg.0.Log and discovers the running X driver and version after suspend

suspend/glxgears_after_suspend *	blocker	PURPOSE:
		    This test tests the basic 3D capabilities of your video card after suspend
		STEPS:
		    1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close.
		    2. Verify that the animation is not jerky or slow.
		VERIFICATION:
		    1. Did the 3d animation appear?
		    2. Was the animation free from slowness/jerkiness?

suspend/hybrid_sleep *	non-blocker	PURPOSE:
		    This test will check hybrid sleep and resume
		STEPS:
		    1. Click "Test" and your system will go into hybrid sleep mode for about 30 - 60 seconds
		    2. Observe the Power LED to see if it blinks or changes color during suspend
		    3. If your system does not wake itself up after 60 seconds, please press the power button momentarily to wake the system manually
		    4. If your system fails to wake at all and must be rebooted, restart System Testing after reboot and mark this test as Failed
		VERIFICATION:
		    Did your system enter hybrid sleep and then resume correctly?

suspend/resolution_after_suspend *	blocker	Test to see that we have the same resolution after resuming as before.
suspend/resolution_before_suspend *	blocker	Record the current resolution before suspending.

suspend/suspend_after_switch_to_card *	blocker	PURPOSE:
		    This test will check suspend and resume after switching to graphics card.
		STEPS:
		    1. Ensure you have switched to graphics card.
		    2. Click "Test" and your system will suspend for about 30 - 60 seconds
		    3. Observe the Power LED to see if it blinks or changes color during suspend
		    4. If your system does not wake itself up after 60 seconds, please press the power button momentarily to wake the system manually
		    5. If your system fails to wake at all and must be rebooted, restart System Testing after reboot and mark this test as Failed
		VERIFICATION:
		    Did your system suspend and resume correctly after switching to graphics card?
		    (NOTE: Please only consider whether the system successfully suspended and resumed. Power/Suspend LED verification will occur after this test is completed.)

suspend/suspend-time-check *	non-blocker	Checks the sleep times to ensure that a machine suspends and resumes within a given threshold

suspend/video_after_suspend *	blocker	PURPOSE:
		    This test will test the default display after suspend with a sample video
		STEPS:
		    1. Click "Test" to display a video test.
		VERIFICATION:
		    Do you see color bars and static?

suspend/audio_after_suspend	blocker	Verify that mixer settings after suspend are the same as before suspend.
suspend/audio_before_suspend	blocker	Record mixer settings before suspending.
suspend/bluetooth_detect_after_suspend	blocker	This test grabs the hardware address of the bluetooth adapter after suspend and compares it to the address grabbed before suspend.
suspend/bluetooth_obex_browse_after_suspend	blocker	This is an automated Bluetooth test. It emulates browsing on a remote device specified by the BTDEVADDR environment variable.
suspend/bluetooth_obex_browse_before_suspend	blocker	This is an automated Bluetooth test. It emulates browsing on a remote device specified by the BTDEVADDR environment variable.
suspend/bluetooth_obex_get_after_suspend	blocker	This is an automated Bluetooth test. It receives the given file from a remote host specified by the BTDEVADDR environment variable
suspend/bluetooth_obex_get_before_suspend	blocker	This is an automated Bluetooth test. It receives the given file from a remote host specified by the BTDEVADDR environment variable
suspend/bluetooth_obex_send_after_suspend	blocker	This is an automated Bluetooth file transfer test. It sends an image to the device specified by the BTDEVADDR environment variable.
suspend/bluetooth_obex_send_before_suspend	blocker	This is an automated Bluetooth file transfer test. It sends an image to the device specified by the BTDEVADDR environment variable.
suspend/compiz_check_after_suspend	blocker	Check that the hardware is able to run compiz after suspend
suspend/cpu_after_suspend	blocker	Verify that all CPUs are online after resuming.
suspend/cpu_before_suspend	blocker	Verify that all the CPUs are online before suspending

Name	Certification status	Description

suspend/cycle_resolutions_after_suspend	non-blocker	PURPOSE:
		   This test will cycle through the detected display modes
		STEPS:
		   1. Click "Test" and the display will cycle trough the display modes
		VERIFICATION:
		   Did your display look fine in the detected mode?

suspend/display_after_suspend	blocker	PURPOSE:
		   This test will check that the display is correct after suspend and resume
		STEPS:
		   1. Check that your display does not show up visual artifacts after resuming.
		VERIFICATION:
		   Does the display work normally after resuming from suspend?

suspend/driver_version_after_suspend	blocker	Parses Xorg.0.Log and discovers the running X driver and version after suspend

suspend/glxgears_after_suspend	blocker	PURPOSE:
		   This test tests the basic 3D capabilities of your video card after suspend
		STEPS:
		   1. Click "Test" to execute an OpenGL demo. Press ESC at any time to close.
		   2. Verify that the animation is not jerky or slow.
		VERIFICATION:
		   1. Did the 3d animation appear?
		   2. Was the animation free from slowness/jerkiness?

suspend/memory_after_suspend	blocker	Verify that all memory is available after resuming from suspend.
suspend/memory_before_suspend	blocker	Dumps memory info to a file for comparison after suspend test has been run

suspend/mmc-insert-after-suspend	non-blocker	PURPOSE:
		   This test will check that the systems media card reader can
		   detect the insertion of an MMC card after the system has been suspended
		STEPS:
		   1. Click "Test" and insert an MMC card into the reader.
		      If a file browser opens up, you can safely close it.
		      (Note: this test will time-out after 20 seconds.)
		   2. Do not remove the device after this test.
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/mmc-remove-after-suspend	non-blocker	PURPOSE:
		   This test will check that the system correctly detects the removal
		   of an MMC card from the systems card reader after the system has been suspended.
		STEPS:
		   1. Click "Test" and remove the MMC card from the reader.
		      (Note: this test will time-out after 20 seconds.)
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/mmc-storage-after-suspend	non-blocker	This test is automated and executes after the mediacard/mmc-insert-after-suspend test is run. It tests reading and writing to the MMC card after the system has been suspended.
suspend/network_after_suspend	blocker	Test the network after resuming.
suspend/network_before_suspend	blocker	Record the current network before suspending.
suspend/pointing-after-suspend	blocker	Pointing device tests after suspend.
suspend/record_playback_after_suspend	blocker	This will check to make sure that your audio device works properly after a suspend and resume. This may work fine with speakers and onboard microphone, however, it works best if used with a cable connecting the audio-out jack to the audio-in jack.
suspend/resolution_after_suspend	blocker	Test to see that we have the same resolution after resuming as before.
suspend/resolution_before_suspend	blocker	Record the current resolution before suspending.

suspend/sd-insert-after-suspend	blocker	PURPOSE:
		   This test will check that the systems media card reader can
		   detect the insertion of an UNLOCKED SD card after the system
		   has been suspended
		STEPS:
		   1. Click "Test" and insert an UNLOCKED SD card into the reader.
		      If a file browser opens up, you can safely close it.
		      (Note: this test will time-out after 20 seconds.)
		   2. Do not remove the device after this test.
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/sd-remove-after-suspend	blocker	PURPOSE:
		   This test will check that the system correctly detects
		   the removal of an SD card from the systems card reader
		   after the system has been suspended.
		STEPS:
		   1. Click "Test" and remove the SD card from the reader.
		      (Note: this test will time-out after 20 seconds.)
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/sd-storage-after-suspend	blocker	This test is automated and executes after the mediacard/sd-insert-after-suspend test is run. It tests reading and writing to the SD card after the system has been suspended.

Name	Certification status	Description

suspend/sdhc-insert-after-suspend	blocker	PURPOSE:
		   This test will check that the systems media card reader can
		   detect the insertion of an UNLOCKED SDHC media card after the
		   system has been suspended
		STEPS:
		   1. Click "Test" and insert an UNLOCKED SDHC card into the reader.
		     If a file browser opens up, you can safely close it.
		     (Note: this test will time-out after 20 seconds.)
		   2. Do not remove the device after this test.
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/sdhc-remove-after-suspend	blocker	PURPOSE:
		   This test will check that the system correctly detects the removal
		   of an SDHC card from the systems card reader after the system has been suspended.
		STEPS:
		   1. Click "Test" and remove the SDHC card from the reader.
		     (Note: this test will time-out after 20 seconds.)
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/sdhc-storage-after-suspend	blocker	This test is automated and executes after the mediacard/sdhc-insert-after-suspend test is run. It tests reading and writing to the SDHC card after the system has been suspended.

suspend/suspend_advanced	blocker	PURPOSE:
		   This test will check suspend and resume
		STEPS:
		   1. Click "Test" and your system will suspend for about 30 - 60 seconds
		   2. Observe the Power LED to see if it blinks or changes color during suspend
		   3. If your system does not wake itself up after 60 seconds, please press the power button momentarily to wake the system manually
		   4. If your system fails to wake at all and must be rebooted, restart System Testing after reboot and mark this test as Failed
		VERIFICATION:
		   Did your system suspend and resume correctly?
		   (NOTE: Please only consider whether the system successfully suspended and resumed. Power/Suspend LED verification will occur after this test is completed.)

suspend/suspend-time-check	non-blocker	Checks the sleep times to ensure that a machine suspends and resumes within a given threshold

suspend/usb_insert_after_suspend	blocker	PURPOSE:
		   This test will check that the system correctly detects the insertion of
		   a USB storage device after suspend and resume.
		STEPS:
		   1. Click "Test" and insert a USB storage device (pen-drive/HDD).
		     (Note: this test will time-out after 20 seconds.)
		   2. Do not unplug the device after the test.
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/usb_remove_after_suspend	blocker	PURPOSE:
		   This test will check that the system correctly detects the removal of
		   a USB storage device after suspend.
		STEPS:
		   1. Click "Test" and remove the USB device.
		     (Note: this test will time-out after 20 seconds.)
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/usb_storage_automated_after_suspend	blocker	This test is automated and executes after the suspend/usb_insert_after_suspend test is run.

suspend/usb3_insert_after_suspend	blocker	PURPOSE:
		   This test will check that the system correctly detects the insertion of
		   a USB 3.0 storage device after suspend and resume.
		STEPS:
		   1. Click "Test" and insert a USB 3.0 storage device (pen-drive/HDD) in
		     a USB 3.0 port. (Note: this test will time-out after 20 seconds.)
		   2. Do not unplug the device after the test.
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/usb3_remove_after_suspend	blocker	PURPOSE:
		   This test will check that the system correctly detects the removal of
		   a USB 3.0 storage device after suspend
		STEPS:
		   1. Click "Test" and remove the USB 3.0 device.
		     (Note: this test will time-out after 20 seconds.)
		VERIFICATION:
		   The verification of this test is automated. Do not change the
		   automatically selected result.

suspend/usb3_storage_automated_after_suspend	blocker	This test is automated and executes after the suspend/usb3_insert_after_suspend test is run.

Name	Certification status	Description

suspend/video_after_suspend	blocker	PURPOSE:
		    This test will test the default display after suspend with a sample video
		STEPS:
		    1. Click "Test" to display a video test.
		VERIFICATION:
		    Do you see color bars and static?

suspend/wireless_connection_after_suspend_open_ac	blocker	Tests that the systems wireless hardware can connect to a router using no security and the 802.11ac protocol after the system has been suspended.
suspend/wireless_connection_after_suspend_open_bg	blocker	Tests that the systems wireless hardware can connect to a router using no security and the 802.11b/g protocols after the system has been suspended.
suspend/wireless_connection_after_suspend_open_n	blocker	Tests that the systems wireless hardware can connect to a router using no security and the 802.11n protocol after the system has been suspended.
suspend/wireless_connection_after_suspend_wpa_ac	blocker	Tests that the systems wireless hardware can connect to a router using WPA security and the 802.11ac protocol after the system has been suspended.
suspend/wireless_connection_after_suspend_wpa_bg	blocker	Tests that the systems wireless hardware can connect to a router using WPA security and the 802.11b/g protocols after the system has been suspended.
suspend/wireless_connection_after_suspend_wpa_n	blocker	Tests that the systems wireless hardware can connect to a router using WPA security and the 802.11n protocol after the system has been suspended.

Name	Certification status	Description

thunderbolt/daisy-chain	non-blocker	PURPOSE:
		    This test will check if your system can support daisy-chaining of a storage
		    and a monitor over Thunderbolt port
		STEPS:
		    1. Connect your Thunderbolt monitor to your systems
		    2. Connect and mount your Thunderbolt HDD to another Thunderbolt port of the
		        monitor (you can do this with HDD first as well)
		    3. Click 'Test' to perform the storage test on the Thunderbolt HDD
		VERIFICATION:
		    1. The verification for storage is automated, please select the result combine
		        with the result for the display.
		    2. Was the desktop displayed correctly on the Thunderbolt-connected screen?

thunderbolt/insert	non-blocker	PURPOSE:
		    This test will check if the insertion of a Thunderbolt HDD could be detected
		STEPS:
		    1. Click 'Test' to begin the test. This test will
		        timeout and fail if the insertion has not been detected within 40 seconds.
		    2. Plug a Thunderbolt HDD into an available Thunderbolt port, if it's not
		        mounted automatically, please click the HDD icon to mount it.
		VERIFICATION:
		    The verification of this test is automated. Do not change the automatically
		    Selected result

thunderbolt/remove	non-blocker	PURPOSE:
		    This test will check the system can detect the removal of a Thunderbolt HDD
		STEPS:
		    1. Click 'Test' to begin the test. This test will timeout and fail if
		        the removal has not been detected within 20 seconds.
		    2. Remove the previously attached Thunderbolt HDD from the Thunderbolt port.
		VERIFICATION:
		    The verification of this test is automated. Do not change the automatically
		    Selected result

thunderbolt/storage-test	non-blocker	This is an automated test which performs read/write operations on an attached Thunderbolt HDD

Name	Certification status	Description
touchpad/detected-as-mouse	blocker	This test will check if your touchpad was detected as a mouse.

touchpad/drag-and-drop	blocker	PURPOSE:
		    Determine that the drag and drop function is working as expected.
		STEPS:
		    1. Browse to the examples folder in the current user's home directory
		    2. Double tap and hold to select the "Ubuntu_Free_Culture_Showcase" folder
		    2. Drag the selected folder to the desktop and remove finger from touchpad.
		VERIFICATION:
		    Did a selected folder move to the desktop?

touchpad/horizontal	blocker	PURPOSE:
		    Touchpad horizontal scroll verification
		STEPS:
		    1. Select "Test" when ready and place your cursor within the borders of the displayed test window.
		    2. Verify that you can move the horizontal slider by moving your finger right and left in the lower part of the touchpad.
		VERIFICATION:
		    Could you scroll right and left?

touchpad/multitouch-automated	blocker	Determine whether the touchpad is detected as a multitouch device automatically.

touchpad/multitouch-dash	non-blocker	PURPOSE:
		    Validate that 4-touch tap is operating as expected
		STEPS:
		    1. 4-touch tap (tap with 4 fingers) anywhere on the touchpad
		VERIFICATION:
		    Did the tap open the Dash?

for hybrid systems those tests will run for both cards.

Name	Certification status	Description
touchpad/multitouch-horizontal	blocker	PURPOSE: Touchpad 2-touch horizontal scroll verification STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the horizontal slider by moving 2 fingers right and left along the touchpad. VERIFICATION: Could you scroll right and left?
touchpad/multitouch-manual	blocker	PURPOSE: Touchpad manual detection of multitouch. STEPS: 1. Look at the specifications for your system. VERIFICATION: Is the touchpad supposed to be multitouch?
touchpad/multitouch-rightclick	blocker	PURPOSE: Determine that the right click function is working as expected. STEPS: 1. Open a file folder 2. Hover cursor over file in folder 3. 2-touch tap. VERIFICATION: Did the right click pop up menu appear?
touchpad/multitouch-vertical	blocker	PURPOSE: Touchpad 2-touch vertical scroll verification STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the vertical slider by moving 2 fingers up and down along the touchpad. VERIFICATION: Could you scroll up and down?
touchpad/multitouch-zoom	non-blocker	PURPOSE: Check touchpad pinch gesture for zoom STEPS: 1. Open gallery-app with an image 2. Place two fingers on the touchpad and pinch them together 3. Place two fingers on the touchpad and move them apart VERIFICATION: Does the image zoom in and out?
touchpad/singletouch-automated	blocker	Determine whether the touchpad is detected as a singletouch device automatically.
touchpad/singletouch-selection	blocker	PURPOSE: Determine that the selection window function is working as expected. STEPS: 1. Open a file folder 2. Double tap and drag the cursor across several file. VERIFICATION: Did a selection window open and were several files selected?
touchpad/vertical	blocker	PURPOSE: Touchpad vertical scroll verification STEPS: 1. Select "Test" when ready and place your cursor within the borders of the displayed test window. 2. Verify that you can move the vertical slider by moving your finger up and down in the right part of the touchpad. VERIFICATION: Could you scroll up and down?

Name	Certification status	Description
touchscreen/3-touch-tap	blocker	PURPOSE: Validate that 3-touch tap is operating as expected STEPS: 1. Tap the screen with 3 fingers simultaneously. 2. Once 3 fingers are on the screen you should see the indicator they are recognized. VERIFICATION: Did you see the green circles around the three fingers?
touchscreen/4-touch-tap	blocker	PURPOSE: Validate that 4-touch tap is operating as expected STEPS: 1. Tap the screen with 4 fingers simultaneously. 2. Once 4 fingers are on the screen you should see the indicator they are recognized. VERIFICATION: Did you see the green circles around the four fingers?
touchscreen/drag-n-drop	blocker	PURPOSE: Check touchscreen drag & drop STEPS: 1. Tap and hold an object on the desktop 2. Drag and drop the object in a different location VERIFICATION: Does drag and drop work?
touchscreen/multitouch-automated	blocker	Determine whether the screen is detected as a multitouch device automatically.

Name	Certification status	Description
touchscreen/multitouch-dash	non-blocker	PURPOSE: Validate that 4-touch tap is operating as expected STEPS: 1. 4-touch tap anywhere on the touchscreen VERIFICATION: Did the tap open the Dash?
touchscreen/multitouch-manual	blocker	PURPOSE: Touchscreen capability manual detection. STEPS: 1. Look at the specifications for your system. VERIFICATION: Your screen was detected as a non touch screen. Select PASS if this is correct.
touchscreen/multitouch-rotate		PURPOSE: Check touchscreen pinch gesture for rotate STEPS: 1. Press the Test button 2. Using 2 fingers, rotate the blue square until it turns green, then release it. VERIFICATION: Did the blue square rotate following the gesture?
touchscreen/multitouch-zoom	blocker	PURPOSE: Check touchscreen pinch gesture for zoom STEPS: 1. Press the Test button 2. Using 2 fingers, resize the blue square until it turns green, then release it. VERIFICATION: Did the blue square change size following the gesture?
touchscreen/nontouch-automated	blocker	Determine whether the screen is detected as a non-touch device automatically.

Name	Certification status	Description
usb/detect	blocker	Detects and shows USB devices attached to this system.
usb/HID	blocker	PURPOSE: This test will check that you can use a USB HID device STEPS: 1. Enable either a USB mouse or keyboard 2. For mice, perform actions such as moving the pointer, right and left button clicks and double clicks 3. For keyboards, click the Test button to lauch a small tool. Type some text and close the tool. VERIFICATION: Did the device work as expected?
usb/insert	blocker	PURPOSE: This test will check that the system correctly detects the insertion of a USB storage device STEPS: 1. Click "Test" and insert a USB storage device, preferably a HDD. Although a USB pen drive may be used it might cause performance related tests to fail. (Note: this test will time-out after 20 seconds.) 2. Do not unplug the device after the test. VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.
usb/remove	blocker	PURPOSE: This test will check that the system correctly detects the removal of a USB storage device STEPS: 1. Click "Test" and remove the USB device. (Note: this test will time-out after 20 seconds.) VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.
usb/storage-automated	blocker	This test is automated and executes after the usb/insert test is run.
usb3/insert	blocker	PURPOSE: This test will check that the system correctly detects the insertion of a USB 3.0 storage device STEPS: 1. Click "Test" and insert a USB 3.0 storage device, preferably a HDD, in a USB 3.0 port. Although a USB 3.0 pen drive may be used it might cause performance related tests to fail. (Note: this test will time-out after 20 seconds.) 2. Do not unplug the device after the test. VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.
usb3/remove	blocker	PURPOSE: This test will check that the system correctly detects the removal of a USB 3.0 storage device STEPS: 1. Click "Test" and remove the USB 3.0 device. (Note: this test will time-out after 20 seconds.) VERIFICATION: The verification of this test is automated. Do not change the automatically selected result.
usb3/storage-automated	blocker	This test is automated and executes after the usb3/insert test is run.

* for hybrid systems those tests will run for both cards.

Name	Certification status	Description
usb3/superspeed_performance	blocker	This test will check that your USB 3.0 port could be recognized as SuperSpeed USB device using xhci_hcd driver and transfers data correctly.

Name	Certification status	Description
wireless/wireless_connection_open_ac	blocker	Tests that the systems wireless hardware can connect to a router using no security and the 802.11ac protocol.
wireless/wireless_connection_open_bg	blocker	Tests that the systems wireless hardware can connect to a router using no security and the 802.11b/g protocols.
wireless/wireless_connection_open_n	blocker	Tests that the systems wireless hardware can connect to a router using no security and the 802.11n protocol.
wireless/wireless_connection_wpa_ac	blocker	Tests that the systems wireless hardware can connect to a router using WPA security and the 802.11ac protocol.
wireless/wireless_connection_wpa_bg	blocker	Tests that the systems wireless hardware can connect to a router using WPA security and the 802.11b/g protocols.
wireless/wireless_connection_wpa_n	blocker	Tests that the systems wireless hardware can connect to a router using WPA security and the 802.11n protocol.
wireless/wireless_scanning	blocker	Wireless scanning test. It scans and reports on discovered APs.

for hybrid systems those tests will run for both cards.