

Quality Assurance Test Cases (QATC)

Author:	Dhanushka
Date Created:	31/03/2010
Last Updated:	06-Apr-10
Version:	v1.02
Components:	Installation OS for XO-1 with OS13
Comments:	

Test Cases Summary	
Total Executed	0
Pass	0
Fail	0
On Hold	0
Not Executed	0
Not Applicable	0

Test Case ID	Category	Feature Description	Prerequisite	Test Description	Input Data	Expected Result	Number Of TC combination	Actual Result	Status (Pass/Fail)
1.Verify Installation OS for XO-1 is Successful									
1.1.Verify the procedure to Download Developer key for XO-1									
IIT_P1.1.1	FUN	Verify Request Developer Key	User must connect to the internet using "browser" activity	1.Type URL file://home/.devkey.html/security/develop.sig 2.Click on "Submit Quarry" 3.Automatically starts time countdown for 24 hours 4.after 24 hours go to "browse" activity and type URL file://home/.devkey.html/security/develop.sig 5.Click on "Submit Quarry" 6.Then follow up the steps ex: Press Ctrl+Alt+ "first key of the view keys" type in terminal"wget -P /security https://activation.laptop.org/devkey/jFoaVT4/develop.sig"		Search in side the /security in OLPC should Display develop.sig	1		
1.2.Verify the getting Latest version to the USB (Firmware and Installation)									
IIT_P1.2.1	FUN	Should download latest version	1.Latest OS must be released 2.Tester must have a USB 3.Should have a PC with internet connection	1.Using local PC download latest installation file from http://dev.laptop.org/~smparrish/XO-1/builds/ and "http://dev.laptop.org/pub/firmware/" 2.Format the USB using FAT32 and put two files in to the USB (as a example if you have downloaded OS13.IMG, OS13.CRC and Q2E42.ROM)		Should insert download installation file to the USB			
1.3.Verify the disabling of security									
IIT_P1.3.1	FUN	Verify to save the developer key after the installation of latest version of the os and firmware, should disable the security	1. Inside the USB must have any firmware and .IMG file and .CRC file 2. OLPC must be power off 3.user must have to plug charger into OLPC.	1.Plug the USB 2. Power on the OLPC 3.When you hear music press Esc button 4. When it is comes to the "OK prompt" type "disable-security" and press Enter button (You should do this three times. See expected result)		1. When type this in first time should appear "Restarting OLPC" 2. When type this in second time should appear "Writing" 3. When type this in third time should appear "No wp tag"			
1.4.Verify the Flashing the Firmware using latest Firmware									
IIT_P1.4.1	FUN	Verify the flashing the Firmware using latest Firmware	1. Inside the USB must have any firmware and .IMG file and .CRC file 2. OLPC must be power off 3.user must have to plug charger into OLPC.	1.Plug the USB 2. Power on the OLPC 3.When you hear music press Esc button 4. When it is comes to the "OK prompt" type "flash u:\Q2E42.ROM"		1. Should display "Writing..." 2. Restart the OLPC			
1.5. Verify the Installing the latest OS									
IIT_P1.5.1	FUN	Verify update the OS	1. Inside the USB must have any firmware and .IMG file and .CRC file 2. OLPC should be power off 3.user must have to plug charger into OLPC.	1.Plug the USB 2. Power on the OLPC 3.When you hear music press Esc button 4. When it is comes to the "OK prompt" type "copy-NAND u:\OS13.IMG" (If the OS13.IMG and OS13.CRC are inside) 5.After installation type on the "OK Prompt" "restart"		1. Should display "Erasing" 2. After Erased should display "writing.." with count 3. After few minutes, should display "OK prompt" again			
2.Verify Installation OS for XO-1 is unsuccessful									
2.1. Procedure to Download Developer key for XO-1									
IIT_N2.1.1	FUN	Verify Request Developer Key	User must connect to the internet using "browser" activity	1.Type URL file://home/.devkey.html/security/develop.sig 2.Click on "Submit Quarry" 3.Automatically starts time countdown for 24 hours 4.after 24 hours go to "browse" activity and type URL file://home/.devkey.html/security/develop.sig 5.Click on "Submit Quarry" 6.Then follow up the steps ex: Press Ctrl+Alt+first key of view keys (with eight dots) type in command prompt "wget -P /security https://activation.laptop.org/devkey/jFoaVT4/develop.sig"		Should display develop.sig saved			
2.2.Get Latest version to the USB (Firmware and Installation)									
IIT_N2.2.1	FUN	Download latest version	- Latest OS must be released -Tester must have a USB -Should have a PC with internet connection	1.Using local PC download latest installation file from "http://dev.laptop.org/~martin/8.2.2-betas/" and "http://dev.laptop.org/pub/firmware/"or http://dev.laptop.org/~smparrish/XO-1/builds/ and "http://dev.laptop.org/pub/firmware/" 2.Format the USB using FAT32 and put two files in to the USB (as a example if you should have downloaded OS13.IMG, OS13.CRC and Q2E42.ROM)		Should download installation file			

2.3.Install the firmware without disabling the Security									
IIT_N_2.3.1	FUN	Verify Update the firmware	1. Inside the USB should have any firmware and .IMG file and .CRC file 2. OLPC should be power off	1. Plug the USB 2. Power on the OLPC keep pressing Esc button 3. When it is comes to the "OK prompt" type "flash u:\Q2E42.ROM"		1. Should display "Writing...." 2. Restart the OLPC			
2.4.Verify Disable security									
IIT_2.4.1	FUN	Verify Update the OS	1. Inside the USB must have any firmware and .IMG file and .CRC file 2. OLPC must be power off 3.user must have to plug charger into OLPC.	1.Plug the USB 2. Power on the OLPC 3.When you hear music press Esc button 4. When it is comes to the "OK prompt" type "copy-NAND u:\OS13.IMG" (If the OS13.IMG and OS13.CRC are inside) 5.After installation type on the "OK Prompt" "restart"		1. Should display "Erasing" 2. After Erased should display "writing.." with count 3. After few minutes, should display "OK prompt" again 4.After restart the OLPC, should display "OLPC will be shute down within 30seconds"			

Defect Id

