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CELLULAR SYSTEMS SOFTWARE TOOLS

CSST_SDP2430_v1.13 – Binary Release Notes

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Revision History

REV	DATE	AUTHOR	NOTES
0.3	17 Oct 2005	CSST Team	Update for CSST Engineering Release 0 .1
1.0	29 Dec 2005	CSST Team	Update for CSST_SDP2430 v1.0 Release
1.1	06 Jan 2006	Shyamala	Update for CSST_SDP2430 v1.0.1 Release
1.2	13 Mar 2006	Jis Joy	Update for CSST_SDP2430 v1.1 Release
1.3	18 May 2006	Sireesha Vemparala	Update for CSST_SDP2430_v1.2
1.4	29 August 2006	Jis Joy	Updated for CSST_SDP2430_v1.3 Release
1.5	30 August 2006	Sireesha Vemparala	Updated the format of release notes
1.6	27 Sept 2006	Jis Joy	Updated for CSST_SDP2430_v1.4 Release
1.7	20 Nov 2006	Jis Joy	Updated for CSST_SDP2430_v1.5 Release
1.8	20 Dec 2006	Jis Joy	Updated for CSST_SDP2430_v1.6 Release
1.9	31 Jan 2007	Ramya	Updated for CSST_SDP2430_v1.7 Release
1.10	13 March 2007	Ramya	Updated for CSST_SDP2430_v1.8 Release
1.11	30 April 2007	Ramya	Updated for CSST_SDP2430_v1.9 Release
1.12	04 June 2007	Ramya	Updated for CSST_SDP2430_v1.10 Release
1.13	29 June 2007	Ramya	Updated for CSST_SDP2430_v1.11 Release
1.14	31 July 2007	Ramya	Updated for CSST_SDP2430_v1.12 Release
1.15	6 Dec 2007	Ramya	Updated for CSST_SDP2430_v1.13 Release

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1. Introduction

Please read this Release Note carefully prior to installation and use of the software.

This document accompanies OMAP™ Software CSST_SDP2430_v1.13 to support SDP2430 boards.
The document specifies:

1. The Host and target environments that should be used with the release
2. New features and features the release supports
3. Planned future features
4. Postponed features
5. Defects which have been fixed since the last release
6. Known defects, limitations and outstanding change requests associated with the release
7. Test results for the release
8. The configuration items included in the release

NOTE: Please contact your Texas Instruments (TI) technical representative for additional information and instructions for obtaining the latest release of CSST.

Following are the pre-requisites for installing and using the CSST:

1.1. Host Requirements

The PC host hardware development requirements are:

PC minimum requirements
- 233 MHz or higher Pentium – compatible CPU.
- 40MB of free hard disk space.
- SVGA (800 X 600) display.
- 256 MB RAM
- JTAG Emulator (optional)
  - XDS560 PCI card Or Blackhawk XDS560 Emulator.

Operating Systems

- Windows 2000 with Service Pack 1 or higher.
- Windows XP Professional with SP2 or higher.

Encryption Library:

CSST signing feature requires the following encryption routines: SHA1 and RSA. These are not included in this release. For testing purposes, TI has used encryption libraries from the Open SSL project (http://www.openssl.org/).

Open SSL version "0.9.8g" is used to test this release of CSST signing feature. Open SSL library package can be obtained from the URL: http://www.slproweb.com/products/Win32OpenSSL.html.

Once Open SSL is installed, Open SSL DLLs will be available under "WINNT\System32\". User need not copy it to CSST directory. If the mentioned version of Open SSL is not present in the website, use the recommended latest version given in the site.

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1.2. Target Requirements

This CSST release is works on all the platforms mentioned in below table.

CSST Revision	HW Revisions	Device Type	Silicon Revisions
CSST_SDP2430_v1.13	SDP2430v0.3	GP	OMAP 2430 ES 1.0+M1
CSST_SDP2430_v1.13	SDP2430v1.0	GP	OMAP 2430 ES 1.0+M1
CSST_SDP2430_v1.13	SDP2430v1.0	EMU/HS	OMAP 2430 ES 1.0+M1
CSST_SDP2430_v1.13	SDP2430v1.1	GP	OMAP 2430 ES 1.0+T2 ES1.0
CSST_SDP2430_v1.13	SDP2430v1.2	EMU	OMAP2430 ES2.0+T2 ES1.0
CSST_SDP2430_v1.13	SDP2430v2.x	GP	OMAP 2430 ES 2.0+T2 ES1.0
CSST_SDP2430_v1.13	SDP2430v4.0	GP/EMU	OMAP 2430 ES 2.1+T2 ES2.1
CSST_SDP2430_v1.13	SDP2430v5.0	GP	OMAP 2430 ES 2.1+T2 ES3.0

Table 1   Supported Platforms

Note: Please see section 4.3 for a list of platforms on which this release of CSST was tested.

2.   Features

2.1.   New features

CSST_SDP2430_v1.13 supports following features in addition to the features supported in CSST_SDPD2430_v1.12

- ◼ 2Gb Onenand support.

2.1.1.   Framework (Platform Independent features):

- Supports CSST FWRK 1.13 Release. Section 3.1.2 mentions the fixes available with the framework release.

- When an invalid parameter is entered in the Host for the Diagnostic test case a PopUp message appears on the Host saying invalid parameters.

2.2.   Supported Features

CSST_SDP2430_v1.13 is backward compatible with the features supported by CSST_SDPD2430_v1.12. Please refer to section 6 for all the legacy features supported in CSST for SDP2430 platforms.

Note: USB downloads support on SDP2430 boards

Three types of USB downloads are available in CSST to support various SDP2430 board configurations. Refer to CSST Quick Start Guide for the steps to download using USB.

1. **HS USB peripheral booting via External ISP1504 HS USB PHY**

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This feature is supported for SDP2430 platforms that have OMAP2430 ES 2.0 and above silicon revisions. External ISP1504 HS USB PHY is **REQUIRED** on the board for this feature to work. No USB SW workaround is needed for downloads. Users can directly download image over USB in "Boot ROM" mode.

2.   HS USB download software workaround via External ISP 1504 HS USB PHY

This feature is supported for SDP2430 platforms that have OMAP2430 ES1.0 silicon. External ISP1504 HS USB PHY is **REQUIRED** on the board for this feature to work. This Software workaround is NOT required for boards that have OMAP2430 ES2.0 and higher si revisions.

3.   FS USB download software workaround via Triton2 FS USB (3-pin mode) PHY

This feature is supported for SDP2430 platforms that have Triton2 + OMAP2430 ES1.0 and ES 2.x silicon + No external HS USB PHY. FS USB download workaround works on the all the OMAP 2430 silicon. The USB Transceiver used to support this feature is Triton2 FS USB transceiver in 3-pin mode. This SHOULD be used only for the boards that have Triton2 but no external ISP1504 PHY.

4.   HS USB peripheral booting via Triton2 HS USB PHY

This feature is supported on SDP2430 platforms that have Triton2 ES3.0 + OMAP 2430 ES2.x silicon.

No.	Feature	Available on	Example Boards
1	HS USB peripheral booting	Works only with External ISP1504 HS USB PHY + OMAP2430 ES2.0 and higher silicon revisions.	SDP2430 v2.x
2	HS USB downloads with software workaround	Works only with External ISP1504 HS USB PHY and any OMAP2430 si revision. But OMAP2430 ES2.0 and higher does not require this workaround	SDP2430 v1.0
3	FS USB downloads with software workaround	Works only if there is NO External ISP1504 HS USB PHY and USB lines are routed through Triton2. This configuration is done on special boards.	SDP2430v4.x boards and any SDP2430 v1.1 or v2.x that has Triton2 and FS USB lines routed through Triton2
4	HS USB peripheral booting via Triton2 HS USB PHY	This feature is supported on SDP2430 platforms that have Triton2 ES3.0 + OMAP 2430 ES2.x silicon.	SDP2430 5.0 Boards

Table 2   USB download options supported by CSST_SDP2430_v1.13

Note: If CSST USB Host driver from CSST_SDP2430_v1.11 is already installed, reinstall the USB driver with the CSST_SDP2430_v1.12/ v1.13 USB Host driver (available under csst\usb_drv_windows directory**). Refer the Quick Start Guide "Upgrade CSST USB Host driver" section for details.**

2.3.   Postponed Features

None

2.4.   Future Planned Features

None

3. Issues

3.1. Defects Fixed in This Release:

3.1.1. Diagnostics module (platform dependent fixes):

Defect ID	Description
OMAPS00138593	'badblk' test function is required for Onenand diagnostic test case
OMAPS00141966	CSST LAN test case (eloop)
OMAPS00135783	SDP2430 GP Timer Failures
OMAPS00140971	Re-visit the design for OMAPS00128004 - Incorrect USB Detection.
OMAPS00141249	Drawing not displayed properly on the TS when calib test function is aborted without coordinates provided

Table 3   Platform dependent fixes in CSST_SDP2430_v1.13

3.1.2. CSST framework (platform independent fixes):

Defect ID	Description
OMAPS00140910	Provide an option to change trace file size as it is in GUI
OMAPS00097379	CSST GUI download write-tab should prevent invalid options from being selected.
OMAPS00136122	'Skip erase' check box is need to disable when device is selected as NAND as Skip erase will not work for NAND
OMAPS00139764	Software developers guide update for Jtag mode debugging
OMAPS00146163	Need to change GUI focus after writing new filename for download
OMAPS00137270	Public ID capturing while generating RD certificate will fail to capture in following scenario in Non-interactive CLI
OMAPS00140572	Onenand driver code cleanup
OMAPS00140569	Implementation of hardware copy back mechanism for bad block management in Onenand flash
OMAPS00140571	Optimising the Onenand driver code
OMAPS00137267	Public ID capturing in RD certificate will fail to capture in following scenario in GUI
OMAPS00147350	Host GUI: Modify target does not display all flash information
OMAPS00147349	Host GUI: Add new target always shows only OMAP2
OMAPS00138074	When starting CSST, the dispatcher prints out an error/debug message
OMAPS00137195	Erase and download operations will take more time if it is done with Non-Interactive CLI compared to GUI.

![Texas Instruments logo]

| OMAPS00141275 | CSST target needs to handle invalid parameters in following conditions |
| OMAPS00141230 | Pop up message is needed rather than displaying INVALID parameter in the diagnostic module when wrong parameters entered. |

Table 4   Platform independent fixes in CSST_SDP2430_v1.13

3.2.   Open Defects

3.2.1.   Diagnostics module (platform dependent fixes):

None.

3.2.2.   CSST framework (platform independent fixes):

Defect ID	Description
OMAPS00154147	Host GUI/CLI: confusing dumping of data in debug window
OMAPS00154146	Host GUI: Diagnostics Abort issue
OMAPS00154144	CLI: Non return to CSST is not functional
OMAPS00153950	Edited fields will not save in 'Change' option in target information display
OMAPS00153947	If image "csst_2430sdp_monitor.out" downloaded to RAM for EMU target with verify enabled on SDP2430 then download fails
OMAPS00153942	Trace file sizes will differ between GUI and Non-Interactive CLI modes
OMAPS00153857	Disconnect failed popsup when tried to disconnect target in following condition in GUI.
OMAPS00153855	Address field needs to update accordingly when file is added then changed the device type in Verify tab in GUI
OMAPS00153847	Tabbing is not working properly in Multitasking mode in Sign module in SDP3430 platform
OMAPS00151344	This DR is used for checking in System test bug fixes found in Framework 1.13 release
OMAPS00150329	If user gives 'help' as parameter then in test output will show test case details as it will appear in test function in diagnostics.
OMAPS00148760	Memory leaks in dl.dll has to be cleaned up (attached screen shot)
OMAPS00148754	Memory leaks in disp.dll has to be cleaned up
OMAPS00148747	CXML parser memory leaks in signui and dl.dll
OMAPS00148742	Download will not work in Monitor mode for lower baudrates ex:9600,4800,2400,1200 where as diagnostic tests will work
OMAPS00148741	CSST should not allow user to change baudrate when diagnostic test case in progress needs to popup error message
OMAPS00148739	'Please wait, Repository getting Load' should appear when click on Diagnostic module in left pane only not in below condition

OMAPS00148061	Host should identify the range of baudrates it can support
OMAPS00147967	CSST Submit: CSST Release 2.14.0
OMAPS00147636	ASSERTS when changing from DEBUG to DL window
OMAPS00147348	Host GUI: Download and verify tabs need to have ECC enabled by default for nand devices
OMAPS00147347	Monitor Mode limitation in downloading to different chip select
OMAPS00147342	Host GUI: Enable/Disable debug window merely resizes the debug window
OMAPS00146443	Download completes successfully as displayed on the debug window of the GUI but in progress bar it will stops in middle
OMAPS00141241	Download will behave different in time and trace file size when trace is ON with following conditions in Non-Interactive CLI
OMAPS00140975	Putting duplicate entry, the original structure change of default.ccf when you run the NCLI
OMAPS00138595	'Check NAND for Bad blocks' option is also required in Verify operation of Non-Interactive CLI
OMAPS00137204	Error handling in Non-Interactive CLI
OMAPS00137198	Download will fail for NAND and Onenand if try to download .out file with verify check box enabled
OMAPS00107456	Cleanup of dl_busy.cpp (See attachment for bug list)
OMAPS00101618	If I go for more than operation (download or Erase) during Read in GUI, then sometimes read operation not success full
OMAPS00089904	Displaying commands in CLI for download will differ from user manual
OMAPS00080222	Configurable UI

Table 5   Platform independent defects open in CSST_SDP2430_v1.13

3.3. Open Change Requests

Not applicable

3.4. Rejected Defects

For Rejected defects please refer to TI bug tracking system.

3.5. Postponed Defects

Not applicable

3.6. Known Limitations

Issue #1: Downloading through USB does not work with docking station.
Type of issue: Dell docking station.
Status: Closed.
Workaround: Remove the laptop from docking station and try downloading.

Issue #2: Download read (upload) with USB does not work in monitor mode on EHC PC's.
Type of issue: CSST SW
Status: Open, DR# OMAPS00120607.
Workaround: none

Issue #3: BOOT ROM download fails with Belkin USB-UART converter due to
inherent limitation of Belkin driver API to send UART data packets only after every 10 second.
Type of issue: Belkin USB Converter.
Status: Closed
Workaround: Contact Belkin to get updated driver.

Issue #4: Once WinCE OS image is flashed to OneNAND, CSST OneNAND diagnostics test case
reports bad blocks for all the blocks.
Type of issue: Wince OS image.
Status: Open, DR# OMAPS00134411
Workaround: Use CSST "Erase bad blocks" option to Erase the Flash.

4. Test Results

4.1. Host Software

CSST_SDP2430_v1.13 GUI and non-interactive CLI are tested on PC with following Windows Operating Systems.

No.	Windows Version	Language
1	WINDOWS XP	ENGLISH
2	WINDOWS XP	KOREAN*
3	WINDOWS 2003 Server	JAPANESE
4	WINDOWS 2000	ENGLISH

Table 6   Supported Windows OS

Note: (*) Support is added, but not validated.

4.2.   USB to Serial Converter

CSST SDP2430 v1.13 is tested with following USB to Serial Converters:

- BAFO U232-P9 (mapped to COM3)

- BELKIN F5U409 (mapped to COM8 – Works in monitor mode only)

4.3.   Tested OMAP2430 SDPs

CSST_SDP2430_v1.13 is tested on following platforms:

No.	OMAP2430 SDP	Revisions	
1	OMAP 2430 SDP 5.0	Main Board Processor Board Enhanced UI Board Connectivity Board	750-2031-003(C) 750-2074-001(C) 750-2038-003(D) 750-2003-002(E)
2	OMAP 2430 SDP 4.0	Main Board Processor Board Companion Board PISMO Board Enhanced UI Board Connectivity Board	750-2031-003(B) 750-2025-001(C1) 750-2024-001(E) 750-2009-006(A) 750-2032-002(B) 750-2003-002(D)
3	OMAP 2430 SDP 2.0	Main Board Processor Board Companion Board PISMO Board Enhanced UI Board Connectivity Board	750 -2031-002 (B) 750 -2017-011 (B) 750-2013-001 (C) 750-2009-003 (B) 750-2038-001 (C) 750-2003-002 (B)
4	**OMAP 2430 SDP 1.1	Main Board Daughter Board Companion Board PISMO Board Enhanced UI Board	750 -2031-002 750 -2017-007 750-2012-001 750-2009-001 750-2038-001
5	**OMAP 2430 SDP 1.0	Main Board Daughter Board Companion Board PISMO Board UI board	750 -2031-001 750 -2017-002 750-2001-002 750-2009-001 700-0486-002

Table 7   List of tested 2430 SDPs

Note: only sanity tests have been performed.

4.4.   Test Summary

S. No.	Main Test case	Sub tests	Functionality	Test Result
1	**Audio**			
1.1		Record Playback	Records audio for given duration and playbacks.	Tested OK
1.2		Tone Play	Plays fixed tone	Tested OK
2	**Battery**			
2.1		Read	Read the battery registers	Tested OK
2.2		Write	Write the battery registers	Tested OK
3	**EEPROM**			
3.1		Read	Read and display the eeprom contents	Tested OK
3.2		Read File	Reads the entire eeprom contents.	Tested OK
3.3		Write	Writes the eeprom	Tested OK
3.4		Erase	Erases the eeprom contents	Tested OK
3.5		Paramread	Reads different Parameters	Tested OK
3.6		Paramwrite	Writes different Parameters	Tested OK
4	**Camera**			
4.1		Capture	Captures the Image and displays on LCD	Tested OK
4.2		readmt9d111	Reads the mt9d111(Image sensor) register	Tested OK
4.3		writemt9d111	Writes to the mt9d111(Image sensor) register	Tested OK
4.4		Resetcontrol	Verify the reset of image sensor	Tested OK
4.5		Camdeinit	Deintializes the camera	Tested OK
5	**Char**			
5.1		Display	Display the character on lcd	Tested OK
5.2		Blink	Blinks the characters on lcd	Tested OK
5.3		Stringdisplay	Displays the string on the lcd	Tested OK
6	**Clam**			
6.1		Position	Prints the position of the clam switch.	Tested OK
7	**Hidkb**			
7.1		Scan	Performs keyboard scan test	Tested OK
8	**Hidmouse**			
8.1		Scan	Performs mouse scan test	Tested OK
9	**Hotdie detection**			
9.1		Rising Detect	Performs hot-die detector test	Not Tested
9.2		Falling Detect	Performs hot-die detector test	Not Tested
10	**I2c**			
10.1		Read	Reads from the I2C device.	Tested OK
10.2		Write	Writes to the I2C device	Tested OK
10.3		Hsread	High Speed I2C read	Tested OK
10.4		Hswrite	High Speed I2C write	Tested OK

11	**Irda**			
11.1		Deinit	Deinitialises IRDA	Tested OK
11.2		Init	Intializes the uart3 for the IRDA mode.	Tested OK
11.3		Read	Read the characters from the IRDA device	Tested OK
11.4		Write	Writes the data to the irda device.	Tested OK
12	**Keypad**			
12.1		Scan	Scans the keys of the keypad and displays the keys pressed	Tested OK
13	**Lan**			
13.1		Get MAC Address	Displays the MAC address	Tested OK
13.2		Set MAC Address	Sets the MAC address	Tested OK
13.3		Internal loop back	Internal loop back test	Tested OK
13.4		external loop back	External loop back test	Tested OK
14	**Lcd**			
14.1		Align	Fill display with alignment pattern	Tested OK
14.2		Bit test	Tests each data bit	Tested OK
14.3		Fill color	Fill the lcd display with the specified color	Tested OK
14.4		Fill gradient	Draws color gradient between 2 colors	Tested OK
14.5		18bit	Fill the LCD display with the specified color	Tested OK
14.6		Fill	Fill the LCD display with the specified 16-bit color	Tested OK
14.7		Power	Switches on/off the lcd power	Tested OK
14.8		Backlight	Switches on/off the lcd backlight	Tested OK
14.9		displayBitmap	Displays test bitmap	Tested OK
15	**Mem**			
15.1		read	Reads the memory contents	Tested OK
15.2		write	Writes into the memory	Tested OK
15.3		check	Performs memory check	Tested OK
16	**Mmc**			
16.1		MMC Info	Displays MMC card Information	Tested OK for MMC1, MMC2 not support on SDP5.0 and SDP4.0
16.2		MMC Verify	Writes and verifies the mmc card by reading back	Tested OK for MMC1, MMC2 not support on SDP5.0 and SDP4.0
16.3		MMC All	Writes a known test pattern and reads back to verify	Tested OK for MMC1, MMC2 not support on SDP5.0 and SDP4.0
17	**Nand**			
17.1		Data	Tested OK	
17.2		ID	Tested OK	

17.3			Performs erase, write and read operations on the entire flash,	Tested OK
		All		
17.4		Erase	Erase the entire flash,	Tested OK
17.5		Bad Block	check for bad blocks in the NAND flash,	Tested OK
18	**NOR**			
18.1		Data line	Performs data lines test	Tested OK
18.2		Address line	Performs Address lines test	Tested OK
18.3		Info	Display NOR device information	Tested OK
18.4		Erase	Erases entire flash	Tested OK
18.5		All	Test entire memory range specified, total 512 blocks.	Tested OK
19	**ONENAND**			
19.1		Info	Displays device information	Tested OK
19.2		Data line	Performs data lines test	Tested OK
19.3		Erase	Erases the entire OneNAND flash	Tested OK
19.4		All	Performs the erase, write and read operations on the entire OneNAND flash	Tested OK
20	**Quart**			
20.1		Read	Read the characters from the quart port	Tested OK
20.2		Write	Writes to quart port	Tested OK
21	**Sdram**			
21.1		Dataline	Perform all the sdram dataline test	Tested OK
21.2		Byte	Perform the sdram byte test	Tested OK
21.3		Word	Perform the sdram word test	Tested OK
21.4		16-Bit Addr	Perform the sdram 16 bit address test	Tested OK
21.5		32-Bit Addr	Perform the sdram 32 bit address test	Tested OK
21.6		All	Perform all the sdram tests :dataline,byte,word,16 bit address,32 bit address	Tested OK
21.7		March14	Perform all the sdram march 14 tests	Tested OK
22	**Secureled**			
22.1		ON	Switch on the secure LED	Tested OK
22.2		OFF	Switch off the secure LED	Tested OK
23	**Sibley**			
23.1		Data lines	Performs Data lines test	Tested OK
23.2		Address lines	Performs Address lines test	Tested OK
23.3		Info	Display Sibley device information	Tested OK
23.4		Erase	Erases entire flash.	Tested OK
23.5		All	Test entire memory range specified, total 512 blocks.	Tested OK
24	**Spi_lcd**			
24.1		Draw Line	Draws the line on the LCD	Tested OK
24.2		Draw rectangle	Draws the rectangle on the LCD	Tested OK

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24.3		Fill color	Fill the sub LCD display with the specified color	Tested OK
25	**Timer**			
25.1		Test	Performs timer test.	Tested OK
26	**Triton2BCI**			
26.1		acchg	Enable/Disable the battery charging with AC charger	Tested OK
26.2		usbchg	Enable/Disable the battery charging with USB charger	Tested OK
26.3		bbchg	Enable/ Disable the backup battery charging	Tested OK
26.4		Status	Display the status of the T2 Battery Charger Interface	Tested OK
27	**Triton2 LED**			
27.1		LEDA	Switches ON or OFF the T2LEDA	Tested OK
27.2		LEDB	Switches ON or OFF the T2LEDB	Tested OK
28	**Triton2power button**			
28.1		Button Press	Performs power button press test	Tested OK
29	**Triton2 power resource**			
29.1		t2vdac	Configure VDAC voltage	Tested OK
29.2		t2vmmc1	Configure VMMC1 voltage	Tested OK
29.3		t2vmmc2	Configure VMMC2 voltage	Tested OK
29.4		t2vsim	Configure VSIM voltage	Tested OK
29.5		t2vaux1	Configure VAUX1 voltage	Tested OK
29.6		t2vaux2	Configure VAUX2 voltage	Tested OK
29.7		t2vaux3	Configure VAUX3 voltage	Tested OK
29.8		t2vaux4	Configure VAUX4 voltage	Tested OK
30	**Triton2rtc**			
30.1		Get time	Display the time	Tested OK
30.2		Get date	Display the date	Tested OK
30.3		Set time	Set the time	Tested OK
30.4		Set date	Set the date	Tested OK
30.5		Timer	Runs for the specified time (in sec)	Tested OK
31	**Triton2 vibrator**			
31.1		Vibra ON	Turn on vibrator	Tested OK
31.2		Vibra OFF	Turn off vibrator	Tested OK
32	**TS**			
32.1		Test	Draws pixel at touch point	Tested OK
32.2		Calib	Performs calibration test	Tested OK
32.3		Lines	Draws lines to better determine location of touch point	Tested OK
33	**TVOUT**			
33.1		Colorbar	Displays the colorbar on TV display.	Tested OK

33.2		Fillcolor	Fills the display with the specified color	Tested OK
33.3		Image	Display the captured image on the TV Display	Tested OK
34	**UART**			
34.1		Read	Reads the User entered string from the terminal connected (115200 8-N-1) and prints on the UART(1/2)	Tested OK
34.2		Write	Prints the User entered string on the UART(1/2) connected terminal(115200 8-N-1)	Tested OK
35	**USB**			
35.1		FS USB	Initializes the FS USB to verify the test.	Tested OK
35.2		HS USB	Initializes the HS USB to verify the test	Tested OK
35.3		HS ET	HS USB Electrical Specification Compliance test	Tested OK

Table 8   Diagnostics Test Results

S. No.	Download functionality	Mode	Test Result
1.	Download to GP device	BOOT ROM (UART & USB)	Tested OK
2.	Download to EMU device	BOOT ROM (UART & USB)	Tested OK
3.	Download to HS device	BOOT ROM (UART)	Tested OK
4.	SDRAM Download	BOOT ROM (UART & USB)	Tested OK
5.	Strata NOR Download	BOOT ROM (UART & USB)	Tested OK
6.	Sibley NOR Download	BOOT ROM (UART & USB)	Tested OK
7.	NAND Download	BOOT ROM (UART & USB)	Tested OK
8.	OneNAND Download	BOOT ROM (UART & USB)	Tested OK
9.	SDRAM Download	Monitor (UART & USB)	Tested OK
10.	Strata NOR Download	Monitor (UART & USB)	Tested OK
11.	Sibley NOR Download	Monitor (UART & USB)	Tested OK
12.	NAND Download	Monitor (UART & USB)	Tested OK
13.	OneNAND Download	Monitor (UART & USB)	Tested OK

Table 9   Download Test Results

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S. No.	Signing/Image formatting	Device Type	Test Result
1.	2nd Signing	EMU/HS	Tested OK
2.	NOR Signing for memory boot	EMU/HS	Tested OK
3.	NAND Signing for memory boot	EMU/HS	Tested OK
4.	NAND Signing for memory boot	GP	Tested OK
5.	OneNAND Signing for memory boot	EMU/HS	Tested OK
6.	OneNAND Signing for memory boot	GP	Tested OK
7.	R&D certificate creation and RMR	HS	Tested OK
8.	Signing with PPA	EMU/HS	Tested OK

Table 10   Signing/Image formatting Test Results

5.   Release content

5.1.   Host executables

Host executables (under csst\ directory)
- o *csst.exe* - The CSST GUI executable file.
- o *csstcli.exe* - The CSST CLI executable file

USB Driver (under csst\usb_drv_windows directory)
- o *csstusb.sys* - Windows USB driver sys file for 2430.
- o *csstusb.inf* – INF file for the Windows USB driver.

5.2.   Target executables

5.2.1.   CSST monitor (under csst\targets directory)

- *csst_2430sdp_monitor.out* – Should be downloaded to DDR. This works on both 133MHz and 165MHz SDRAM-DDR.
- *csst_2430sdp_monitor_nor_flash_boot_emu.ift* – Should be downloaded to NOR flash on EMU/HS devices for memory boot. Supports internal memory boot. This works on both 133MHz and 165MHz SDRAM-DDR
- *csst_2430sdp_monitor_nor_flash_boot_gp.raw* - Should be downloaded to NOR flash on GP device. Supports internal memory boot. This will work at 133MHz and 165MHz SDRAM-DDR.
- *csst_hsusb_download.out* – Strip down version of the csst_2430sdp_monitor.out. This binary can be used to download any Image on to Flash (NOR\NAND) or RAM via USB. This image uses external ISP1504 HS USB transceiver.
- *csst_fsusb_download.out* – Strip down version of the csst_2430sdp_monitor.out. This binary can be used to download any Image on to Flash (NOR\NAND) or RAM via USB. This image uses T2 FS USB transceiver.

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- *csst_2430sdp_monitor_nor_flash_boot_emu.raw* – Unsigned NOR flash boot image for EMU/HS devices.

5.2.2. 2nd downloader (under csst\targets directory)

- *dnld_startup_2430_sdp_emu.2nd* - 2nd file for EMU/HS devices.
- *dnld_startup_2430_sdp_gp.2nd* – 2nd file for GP devices.

5.2.3. Flash Drivers (under csst\drivers directory)

- *nor_intel_drv.out* – NOR Flash Drivers for 2430 boards.
- *nand_samsung_drv.out* – 16-bit NAND Flash Drivers for 2430 boards.
- *onenand_samsung_drv.out*– OneNand Flash Drivers for 2430 boards.
- *nor_intel_sibley_drv.out*– Intel Sibley NOR Flash Drivers for 2430 boards.
- *ram_drv.out* – RAM memory driver for 2430 boards.

5.2.4. Sample Images (under csst\targets\sample_images directory)

- *sample_image_nor_sdram.raw* – Sample image that can be downloaded and executed from SDRAM and NOR flashes on GP devices. This image prints continuously on UART1 and displays a changing pattern on character display of 2430 SDP.
- *sample_image_nand_gp.ift* – Sample image that can be downloaded and executed from NAND flash on GP devices. This image prints continuously on UART1 and displays a changing pattern on character display of 2430 SDP.
- *sample_image_onenand_gp.ift* – Sample image that can be downloaded and executed from OneNAND flash on GP devices. This image prints continuously on UART1 and displays a changing pattern on character display of 2430 SDP.
- *sample_image_nor_emu.ift* – Sample image that can be downloaded and executed from NOR devices on EMU/HS devices. This image prints continuously on UART1 and displays a changing pattern on character display of 2430 SDP.
- *sample_image_nand_emu.ift* – Sample image that can be downloaded and executed from NAND flash on EMU/HS devices. This image prints continuously on UART1 and displays a changing pattern on character display of 2430 SDP.
- *sample_image_onenand_emu.ift* – Sample image that can be downloaded and executed from OneNAND flash on EMU/HS devices. This image prints continuously on UART1 and displays a changing pattern on character display of 2430 SDP.
- *return_to_csst_2430.out* – Sample image to test the "Return to CSST after execution of function" feature. This image prints changing pattern on character display of 2430 SDP. To test this feature, Select the image, Enable the "*Execute after Download*" option and "*Return to CSST after execution of function*" option and download the image to SDRAM. The image executes and "*Programming succeeded*" window pops up.

5.2.5. IFT Keys and Certificates

Files and directories available under the **csst\security\IFT** directory:

- *Security\IFT\keys* – This directory has all the .pem files (RSA keys) required by the CSST signing module for OMAP EMU/HS devices.

Files available under the **csst\securtity\IFT\Certificates** directory:

- *DSw_Certificate* –Initial SW certificate for 3430 legacy mode and 24xx platforms.
- *RD* – R&D certificate for 3430 legacy mode and 24xx platforms.
- *Keys* – PD certificate for 3430 legacy mode and 24xx platforms.
- *PPA2430* - PPA certificate for 2430 platforms.

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- *Subapp0, Subapp1, Subapp2, Subapp3* – PA sub-application binary image files for 3430 legacy mode and 24xx platforms.

5.3.   Documents

The release consists of the following documents under **csst\docs directory**:
- o *CSST_QuickStartGuide_SDP2430.doc* – Platform specific document that has information on Dip switches, memory locations to download images, diagnostics tests supported etc.
- o *CSST_SDP2430_ReleaseNotes_v1_13.doc* – This Document.
- o *CSST_UserManual.doc* – CSST User Manual.

5.4.   Gel Files

- o *OMAP2430sdp_infineon_CCS_3_2.gel* - GEL file for OMAP 2430 SDP. File will be available under **csst\ccs_files** directory.

6. Previous Releases

6.1. CSST_SDP2430_v1.12 supported features

Defect ID	Description
OMAPS00125125	TS (touch screen) test case is not working properly if it done after SPI_LCD test
OMAPS00128004	Incorrect USB detection – Host side implementation
OMAPS00134436	LAN test cases are passing for missing packets
OMAPS00129682	If more than 30 characters given for IRDA test than its pops up test failed. It should show invalid length in test function.
OMAPS00078861	Improve HSUSB download speeds

6.2. CSST_SDP2430_v1.11 supported features

Following features are supported

Defect ID	Description
OMAPS00130636	Back up battery charge information
OMAPS00130635	BCI Enhancements
OMAPS00130637	Battery status information displayed in actual information and not hex values
OMAPS00130638	T2 BCI Main charge state as well as pre charge state status needs to be displayed

6.3. CSST_SDP2430_v1.10 supported features

Following features are supported

Defect ID	Description
OMAPS00130632	Support for HSUSB Eye Pattern Testing on SDP2430
OMAPS00122839	NAND 16 bit Samsung/Toshiba driver should support ECC correction upon reads
OMAPS00124170	Production Tool support for writing to Data light NAND partition (2430)
OMAPS00128006	WinCE downloads to OneNAND is failing.

6.4.   CSST_SDP2430_v1.9 supported features

Following features are supported.

- Bad block management for NAND flash.

6.5.   CSST_SDP2430_v1.8 supported features

Following features are supported.

- HSUSB support through T2 Trans-receiver.
- FS USB support in 4pin mode.
- Diagnostics on UART3.
- Software support for Hot-die / Thermal shutdown detection.
- T2 BCI diagnostic support.
- Support for HS USB peripheral booting/downloads via ROM code using T2 ES3.0 on SDP2430v5.x boards only.

6.6.   CSST_SDP2430_v1.7 supported features

None.

6.7.   CSST_SDP2430_v1.6 supported features

Enhancement ID	Description
OMAPS00099047	UART2 diagnostics implementation
OMAPS00099056	Pseudo Random Pattern Generation for ELOOP test in LAN Diagnostics

6.8.   CSST_SDP2430_v1.5 supported features

1. Bitmap test case for EUI board LCD.

Enhancement ID	Description
OMAPS00078858	USB download support in non-interactive CLI mode
OMAPS00091699	Save configuration for download window
OMAPS00089975	CSST should remember configuration settings
OMAPS00089976	CSST should provide progress report and useful messages during download operation
OMAPS00090633	CSST for Micron-GP Fails Download to Flash if Erase all dialog box is selected
OMAPS00083285	OMAP signing needs a "save configuration" / "load configuration"
OMAPS00091699	Save configuration for download window

6.9.   CSST_SDP2430_v1.4 supported features

1. Improved download speed over ISP 1504 external HS USB interface (10x). Downloading 40MB file to SDRAM takes only 10sec (in MONITOR mode) and 25sec (in BOOT_ROM mode).
2. WinMobile Image OneNAND flashing support.

Enhancement ID	Description
OMAPS00073655	CSST for OMAP2430 WinMobile + Testing
OMAPS00083341	Need non-interactive image signing mode.

6.10.   CSST_SDP2430_v1.3 supported features

1. OMAP2430 ES2.1 silicon support.
2. Triton2 ES2.1 silicon support.
3. HS USB peripheral booting support via external ISP1504 HS USB PHY.
4. Winmoble image downloads to NAND on SDP2430 platforms as per OMAPS00073655.
5. Triton2 FS USB software download workaround for boards that do not support external ISP1504 HS USB PHY
6. Enhancements

Enhancement ID	Description
OMAPS00081438	Add LED Mode for Triton 2 to 2430 CSST
OMAPS00081437	Add Vibrate Mode for Triton 2 to 2430 CSST
OMAPS00073655	CSST for OMAP2430 WinMobile + Testing
OMAPS00090352	CSST tool (CSST_SDP2430_V1.2) does not work in a laptop with Windows XP (Korean version) and USB-serial cable.
OMAPS00085258	MMC test case enhancement.

6.11.   CSST_SDP2430_v1.2 supported features

1. DDR tests running at 166 MHz and ARM 11 at 330 MHz
2. FS USB enumeration
3. HS MMC tests running at 48 MHz
4. HS I2C
5. OneNAND, Sibley NOR, NAND and Strata NOR memory tests at 166 MHz
6. OMAP2430 ES2.0 EMU device downloads
7. Updated PPA for EMU devices
8. Dynamic Configuration to have backward compatibility
9. Optimized OneNAND drivers at 166 MHz
10. GUI Stability increases
11. Improved user experience for Boot Rom mode downloads
12. HS USB Downloads/ Image flashing - SW work around
13. Audio noise issue is fixed with board and SW fix
14. In IRDA FIR mode, during read test, some data seems to be lost – Fixed
15. Headset detect function added

6.12.   CSST_SDP2430_v1.1 supported features

1. Support for 2430 SDP v1.1
2. Serial LCD test case.
3. FS USB enumeration test case.

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4. Triton2 RTC test case.
5. Keypad test case using the T2 keypad controller.
6. T2 power rail configuration for various modules on the SDP 1.1.
7. Audio test for T2 CODEC.
8. Non interactive CLI support for downloading files to various flashes and SDRAM.
9. Dynamic configuration of target based on the SDP Config EEPROM content. This version of CSST supports SDP 1.1, SDP 1.0 and SDP 0.3.
10. Faster downloads to NOR flash.
11. Camera and TV test cases displays bigger image.
12. NAND and NOR test cases accept the chip Select parameters, so that all the combinations can be tested.
13. Validated the 2430 ES 1.0 HS devices. Tested the RMR support.
14. Load address and execute address for CSST Monitor out is changed to SDRAM start address (0x80000000). User need not change the default address shown by the GUI while downloading monitor.out to SDRAM.

6.13. CSST_SDP2430_v1.0.1 supported features

1. Support for Download in Monitor mode via HS USB interface.
2. New NAND Download Architecture

6.14. CSST_SDP2430_v1.0 supported features

1. Diagnostics test cases for OMAP2430 SDP 1.0.
2. Support for Download in Monitor mode and ROM assisted mode in UART mode.
3. Support for Download in Monitor mode in "HS USB Mode of HS USB".
4. Debug and Trace functionality.
5. Support for NOR and NAND Flashing in ROM assisted mode and Monitor mode through UART and "HS USB mode of HS USB" interfaces.
6. Support for GP and EMU/HS device image signing.

6.15. Defects fixed in previous releases:

Defect ID	Description
OMAPS00065245	Menelaus RTC timer issue
OMAPS00064725	CSST Tool has numerous typographical errors(spelling, capitalization, grammar) on the diagnostic UI screen descriptions.
OMAPS00068339	Diagnostics and downloading use different assumptions
OMAPS00064032	Spelling Error in EEPROM test
OMAPS00065275	NOR flash erase test case
OMAPS00065274	Flash address parameter for NOR dataline and address line test case
OMAPS00055128	Audio test case not working
OMAPS00067633	NAND writing issue with CSST 1.0.1 on 2430 v0.3
OMAPS00062835	Dock problem
OMAPS00064791	CLI Crash
OMAPS00064822	Information displayed is not clear.
OMAPS00068337	Problem with .bin files & signing.

OMAPS00064369	Bug in GUI while adding target
OMAPS00064371	Deleting the file in download UI does not work properly
OMAPS00064375	Erase entire flash option is not working in the erase tab of UI download
OMAPS00064378	The COM selected does not reflect in the combo box
OMAPS00064790	Monitor mode not working in CLI
OMAPS00064813	Prints not coming
OMAPS00064821	Taking Com ports from the windows
OMAPS00065271	CSST Host crash while changing the BOOT ROM mode settings
OMAPS00064376	Trace prints are not getting logged in the cssttrace file
OMAPS00064377	A message box should pop up, when the repositories are getting loaded, so that user cannot do any operations.
OMAPS00064379	Saving a setting in GUI, does not reflect back, once the application is closed and opened
OMAPS00064385	Proper message indication to the user in the debug UI
OMAPS00065264	Issue with CSST file handling
OMAPS00068333	Problem with 'save configuration'
OMAPS00069770	Erase entire flash on the "erase tab" does not work
OMAPS00068335	No error recovery after failing on download
OMAPS00068331	After aborting download, CSST cannot download again
OMAPS00065279	Security lib version given in release notes is not latest
OMAPS00071782	CSST: Memory leak in ListCtrlEx.cpp
OMAPS00071760	CSST: Memory leak in tracer.cpp
OMAPS00071758	CSST: Memory leak in CDownload::GetItemText()
OMAPS00071743	CSST: Memory leak in guiView.cpp
OMAPS00071578	CSST: Several GUI functions call "new CXMLParser()", but never free it
OMAPS00071908	CSST: Cservices::mConfigFileName variable is obsolete, and causes memory leak
OMAPS00072049	CSST: Many memory leaks in XMLParser.cpp (several 100KB are leaking)
OMAPS00070121	The lower bottom of the CSST GUI is shown as transparent.
OMAPS00072484	Do not retrieve the complete debug window contents for every new debug message, append lines instead
OMAPS00073374	CSST: Operator 'delete' used wrongly in panel.cpp
OMAPS00073373	CSST: Wrong deallocation in cli_fw.cpp
OMAPS00073376	CSST: Memory leaks in panelarray.cpp
OMAPS00070586	CSST I+G
OMAPS00069770	Erase entire flash on the "erase tab" does not work

OMAPS00070138	The file dnld_host_common.h needs to be removed as it contains duplicates of data in the sap file
OMAPS00070272	Remove "Driver Configuration" on the "Settings" tab in CSST
OMAPS00073690	Signing module is not generating correct image
OMAPS00077591	CCS config files missing from CSST 1.1 installation
OMAPS00071782	CSST: Memory leak in ListCtrlEx.cpp
OMAPS00071760	CSST: Memory leak in tracer.cpp
OMAPS00071758	CSST: Memory leak in CDownload::GetItemText()
OMAPS00071743	CSST: Memory leak in guiView.cpp
OMAPS00071578	CSST: Several GUI functions call "new CXMLParser()", but never free it
OMAPS00071908	CSST: Cservices::mConfigFileName variable is obsolete, and causes memory leak
OMAPS00072049	CSST: Many memory leaks in XMLParser.cpp (several 100KB are leaking)
OMAPS00070121	The lower bottom of the CSST GUI is shown as transparent.
OMAPS00072484	Do not retrieve the complete debug window contents for every new debug message, append lines instead
OMAPS00073374	CSST: Operator 'delete' used wrongly in panel.cpp
OMAPS00073373	CSST: Wrong deallocation in cli_fw.cpp
OMAPS00073376	CSST: Memory leaks in panelarray.cpp
OMAPS00070586	CSST I+G
OMAPS00069770	Erase entire flash on the "erase tab" does not work
OMAPS00070138	The file dnld_host_common.h needs to be removed as it contains duplicates of data in the sap file
OMAPS00070272	Remove "Driver Configuration" on the "Settings" tab in CSST
OMAPS00073690	Signing module is not generating correct image
OMAPS00082729	CSST tools for OMAP2430 does not support SDRAM download-and-execute & tool instability
OMAPS00081405	Power rails test
OMAPS00081406	MMC test result updates
OMAPS00081412	Add Power chip name and version
OMAPS00080465	Main LCD backlight is ON when Sub LCD test is executed.
OMAPS00080466	Audio test case record and playback has lots of noise when record from headset mic
OMAPS00080464	Audio test case record and playback on right loudspeaker does not work always.
OMAPS00080463	Headset detect and mute test cases are not working on 2430 SDP 1.1 platform
OMAPS00078860	FS USB enumeration issue
OMAPS00081408	sample images for download module

OMAPS00082215	Keypad test case prints wrong key number
OMAPS00088446	ECC init sequence in Samsung NAND Driver is faulty
OMAPS00088466	Battery tests return success even if HDQ times out (read test)
OMAPS00088469	LCD backlight test not working
OMAPS00086798	Test (MMC 2.2 volts test case)
OMAPS00090299	HID and QUART does not work in SDP2430
OMAPS00091215	Changes for SDPV4.0
OMAPS00090369	Test MMC2 card cage at 48MHz
OMAPS00081410	Release notes updating - Source and Binary, test result information
OMAPS00083972	Wrong switch settings given in Quick Start Guide
OMAPS00074319	Fixes array boundary read in dl_busy.cpp
OMAPS00073692	In dl_connected.h the methods of DLConnectClass are defined wrongly
OMAPS00067828	Workaround for UART connection via port replicator in uart_drv.c
OMAPS00074366	CSST: Maximal number of 255 consecutive runs of diagnostics can be run.
OMAPS00073701	CSST: Visual Studio project settings now support Rational Purify
OMAPS00072525	I2C Write and Read now using FIFO
OMAPS00072526	Compiler warning: tpdll.dll circular dependency during compilation
OMAPS00078257	Usability in the CSST Host regarding the download module which crashes after download and some minutes has elapsed
OMAPS00078553	When sending "diag_send_response" messages some can be lost when the TX_FIFO of the target is full
OMAPS00069499	8bit Samsung/Toshiba NAND driver is not generic
OMAPS00074087	CSST interfaces: the sap-files do not reflect the interfaces (include all changes during merge).
OMAPS00070141	Program Data Base applied (only for release)
OMAPS00071469	Memory leaks for all messages sent from lower layer and received in DownloadUICtl.cpp
OMAPS00070139	Precompiled headers files applied to all the Visual Studio project files
OMAPS00079053	Fix for OMAPS00072525. Use old i2c_write & i2c_read as wrappers for the new functions instead of as dummy functions
OMAPS00079129	CLI fix + updates of CSST 2.3.0 documentation
OMAPS00081290	CSST Signing does not generate correct certificate, if given file name is new one
OMAPS00091344	~300KB memory leak/consumption pr sec, when CSST is connected in monitor mode...
OMAPS00089899	Sometimes added file in GUI not getting deleted in GUI(XP).
OMAPS00094858	MMC test- The MMC1\MMC2 clock goes to 12MHz when a 1-bit card supporting 20MHz is plugged in
OMAPS00094860	Audio Testing - Outputs getting Clipped

OMAPS00095277	MMC, verify test fails when max block no's(5th parameter) are given
OMAPS00093821	I2C access to FS-USB Transceiver (ISP1301) not working on CSST 1.3
OMAPS00078858	USB download support in non-interactive CLI mode. (Monitor mode)
OMAPS00080456	CSST CLI crash if there in only one target listed in target.xml file.
OMAPS00089321	CSST tool does not work with Belkin converter. (Monitor mode)
OMAPS00082376	The key generation in the OMAP signing tool does not produce correct PEM files
OMAPS00085987	Crash in target diagnostics module, when adding one new test case
OMAPS00095268	Camera, capture test is not consistent
OMAPS00081404	Add more description T2 power on/off button on test case and quick start guide
OMAPS00095279	I2C test needs to refine to display parameters
OMAPS00080467	Sibley info test case says there are two regions inside the chip which is not correct
OMAPS00095278	LCD align and bit tests are not consistent
OMAPS00095274	TV, color bar test fails for following standard NTSC-443
OMAPS00099712	Image Inversion caused by loss of vertical synch in Camera Capture on LCD and TV Out Image tests
OMAPS00098607	Camera Deinitialization - After camera test, NOR and Sibley tests are not working
OMAPS00099756	TV Out - Image test has shifted output in NTSC and PAL
OMAPS00095269	Mem,read,write and check tests fails
OMAPS00086224	Verify and Read operations not working in CLI and Non Interactive CLI
OMAPS00085986	CSST CLI does not work with USB in BOOT_ROM mode
OMAPS00070130	The list of UART ports in the connect toolbar are not sorted in numerical order
OMAPS00080459	Sub test case window (CSST GUI) which shows the test case help should be big enough to show all the test options
OMAPS00080460	CSST GUI shows the same icon in the popup window for test case success and failure.
OMAPS00098561	Debug window.cpp fixes
OMAPS00089874	GUI crashes when user tries to download using USB and switch settings for USB is not correct
OMAPS00089911	In GUI settings, link type and Mode settings will not save
OMAPS00080505	Cleanup platform specific function displaycameraimage()
OMAPS00105946	Print a message for timer test progress
OMAPS00095280	Displaying parameters in test function for all test cases need to be refined
OMAPS00082216	SDRC DLL lock values are calculated dynamically
OMAPS00086229	CLI Signing Format need to be corrected.
OMAPS00105935	Download will not work in MONITOR mode when trace is ON for all modules in Trace window

OMAPS00107945	GUI will crash if clicked on 'speedup reg' and 'Poll on' buttons in Initial SW certificate tab in Signing module
OMAPS00107976	GUI crashes when user selects 'Add target ' and clicks on the 'Change' button on the GUI
OMAPS00076180	Dispatcher component has unstable startup and shutdown and has inefficient function calls.
OMAPS00086220	The CSST CLI crashes when we select a target in a machine without comport.
OMAPS00070120	When changing debug level a bunch of old messages is displayed.
OMAPS00086226	Debug and Trace : when disconnected, the settings wont be saved.
OMAPS00091207	Execute after download function in download tab requires address even though it is mentioned as "optional"
OMAPS00090532	Verify function in CSST requires "Address", even though it is mentioned as "Optional"
OMAPS00089899	Sometimes added file in download is not deleting completely in GUI
OMAPS00097377	CSST download GUI read-tab pops up with a misleading warning.
OMAPS00098328	Download UI memory leaks and adaptations for reworked Abort handling
OMAPS00089911	In GUI settings, link type and Mode settings will not save
OMAPS00090938	CSST trace handler is leaking threads
OMAPS00104871	Sometimes added file in download tab will shift to 4th row when download completes and GUI reopened.
OMAPS00108925	Update of the csstusb.inf file. The Parameter should be changed to: HKR,"Parameters","BulkUsbEnable",0x10001,0
OMAPS00105959	USB enumeration test is not working for the second time
OMAPS00111178	When connected in Monitor mode,the selection of the mode through Combo box should not allowed to select the other modes.
OMAPS00100721	Change in address in GUI doesn't work.
OMAPS00092669	DownLoad MessageBox title.
OMAPS00089905	Default COM port is not showing in GUI.
OMAPS00070128	The GUI should not start in maximized mode.
OMAPS00097375	CSST download verify-tab is missing an abort-button.
OMAPS00101614	'OK' button doesnot have any functionality in PA certificate tab in GUI
OMAPS00108461	DownLoad Listcontrol extra row problem
OMAPS00100941	Does erase RAM in the Download UI make sense.
OMAPS00109142	Diagnostics does not appear in the debug window, if the user clicks on the debug window before connecting in MONITOR mode
OMAPS00105971	Abort functionality not supported in non-interactive CLI. (For Erase Verify and Read)
OMAPS00111773	UART port numbers are not listed in the combo box. it always defaults to 1

OMAPS00111775	Whenever user clicks on apply button or cancel button, the debug window disappears. This not be happening
OMAPS00111777	Save configuration on Signing window does not save input file given for signing.
OMAPS00111778	'Diagnostics entry' in the Debug windowis throwing debug assertions
OMAPS00109621	Strips will appear for LCD grad test when parameters from high to low are given
OMAPS00096607	Reset and execute after download is not handled correctly in the GUI
OMAPS00093580	Interactive CLI will not be supported in future CSST releases
OMAPS00092673	GUI Tree Production stop bug reported by TIDK
OMAPS00082940	Branch and reset after download not implemented properly
OMAPS00105935	Download will not work in MONITOR mode when trace is ON for all modules in Trace window
OMAPS00098328	Download UI memory leaks and adaptations for reworked Abort handling
OMAPS00104871	Sometimes added file in download tab will shift to 4th row when download completes and GUI reopened
OMAPS00109122	Unwanted files were getting created in the CSST release build folder
OMAPS00107976	GUI crashes,when user selects 'Add target ' and clicks on the 'Change' button on the GUI
OMAPS00109142	Diagnostics does not appear in the debug window,if the user clicks on the debug window before connecting in MONITOR mode
OMAPS00107945	GUI will crash if clicked on 'speedup reg' and 'Poll on' buttons in Initial SW certificate tab in Signing module
OMAPS00106836	In target.xml design, if the length is not present for a chipselect and if the user selects erase all, GUI and CLI crash
OMAPS00089869	During download "Reset target to proceed" will not appear frequently when linktype is USB
OMAPS00085691	CSST GUI uses wrong combobox for 'Mode'
OMAPS00108461	CSST 1.5 does not Properly Save Configuration File
OMAPS00086229	CLI Signing format need to be corrected
OMAPS00083281	In OMAP Signing if the advanced tab hasn't been applied before signing, then the GUI will crash
OMAPS00107938	The Camera capture image on the TV display has a split sometimes.
OMAPS00127987	WinCE NAND download
OMAPS00127997	LAN test failure reporting error
OMAPS00127995	UART2 connectivity test failures using CSST_SDP2430 v1.8
OMAPS00127992	UART1 connectivity test failures using CSST_SDP2430 v1.8
OMAPS00107458	cleanup sl_configuration.cpp
OMAPS00129189	Improper malloc() return value check in dg_mmc.c and mmc_drv.c
OMAPS00111179	If target is deleted from right pane its not updating in left pane in GUI

OMAPS00129249	Change in Opt level, in the csst_dnld_startup.pjt
OMAPS00093152	Advanced option for ignoring bad block management in CSST GUI
OMAPS00100913	Delay (sleep(100)) required after sending flashing command in CSST host download module for BOOT_ROM mode to work on OMAP2430
OMAPS00129294	CSST Public Keys Certificate Generation Problem
OMAPS00129679	Yellow parameter is working for drawline and drawrect test in SPI-LCD test case which is not in the list of supported colors.
OMAPS00112969	Delay of 1000ms in dispatcher II connect can be removed
OMAPS00119181	Crash can occur due to missing deregistering function in CTraceDbg module
OMAPS00131576	Non interactive CLI - Support of ignore bad block while erase
OMAPS00131578	Non interactive CLI - Support of NAND ECC correction
OMAPS00131580	Non-interactive CLI - Support for Return to CSST
OMAPS00101624	icon in popup message 'successfully disconnected from target' different when target is disconnected from Monitor mode in GUI
OMAPS00129067	CSST QUAD UART Test not functional.
OMAPS00125124	HSUSB enumeration test case will not work if it is done after FSUSB enumeration test case
OMAPS00105944	image and color bar test outputs are flickering for PAL-60 standard in TV OUT test case