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CELLULAR SYSTEMS SOFTWARE TOOLS

CSST_SDP242x_v1.6 – Binary Release Notes

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Table of Contents

List of Figures

List of Tables

TEXAS INSTRUMENTS

Revision History

REV	DATE	AUTHOR	NOTES
1.0	25 May 2006	Shyamala.M	Update for CSST_SDP2420_V1.0
1.1	1 Aug 2006	Shyamala.M	Update for CSST_SDP242x_v1.1
1.2	7 Sep 2006	T. Miladinovic	Update for CSST_SDP242x_v1.2
1.3	10 Nov 2006	Jis Joy	Updated for CSST_SDP242x_v1.3
1.4	12 Sep 2007	Ramya. S. S	Updated for CSST_SDP242x_V1.4
1.5	14 Dec 2007	Ramya. S. S	Updated for CSST_SDP242x_V1.5
1.6	14 April 2008	Ramya. S. S	Updated for CSST_SDP242x_V1.6

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TEXAS INSTRUMENTS

1. Introduction

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

This document, CSST Release Notes, contains important information about Cellular Systems Software Tools (CSST) CSST_SDP242x_v1.6 release for 242x SDP platforms. Included in this document is information about features and hardware platforms supported in this revision of CSST. Additionally, it contains known issues and issues resolved from previous releases.

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

NOTE: It is recommended to un-install the old version of CSST before installing the CSST_SDP242x_v1.6.

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 "OpenSSL v0.9.8g" was 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\" standard path and 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.

TEXAS
INSTRUMENTS

1.2. Target Requirements

CSST_SDP242x_v1.6 supports the following SDP242X platforms.

Table 1 Supported SDP242X platforms by CSST_SDP242x_v1.6

CSST Version	HW Version	Silicon Revisions Supported
CSST_SDP242x_v1.6	SDP2420-V8.0	SDP with DDR (OMAP2420, ES2.05, EMU), M1 (ES1.2)
CSST_SDP242x_v1.6	SDP2420-V8.1	SDP with DDR (OMAP2420, ES2.05, GP), M1 (ES1.2)
CSST_SDP242x_v1.6	SDP2420-V8.2	SDP with DDR OMAP2420, ES2.05, GP), M1 (ES1.2) socket
CSST_SDP242x_v1.6	SDP2420-V8.3	SDP with DDR (OMAP2420, ES2.05, GP), M1 (ES1.2)
CSST_SDP242x_v1.6	SDP2420-V8.4	SDP with DDR (OMAP2420, ES2.05, GP), M1 (ES1.2)
CSST_SDP242x_v1.6	SDP2420-V9.0	OMAP2420, ES2.2, GP, M1 (ES2.1)
CSST_SDP242x_v1.6	SDP2420-V9.1	OMAP2420, ES2.2, EMU, M1 (ES2.1)
CSST_SDP242x_v1.6	SDP2420-V9.2	OMAP2420, ES2.2, GP, M1 (ES2.1)-socket
CSST_SDP242x_v1.6	SDP2420-V9.3	OMAP2420, ES2.2, EMU, M1 (ES2.1)-socket
CSST_SDP242x_v1.6	SDP2420-V9.4	OMAP2420, (ES2.2, GP), M1 (ES2.1)
CSST_SDP242x_v1.6	SDP2420-V9.41	OMAP2420, (ES2.2, GP), M1 (ES2.1)
CSST_SDP242x_v1.6	SDP2420-V9.42	OMAP2420, (ES2.2, GP), M1 (ES2.2)
CSST_SDP242x_v1.6	SDP2420-V9.5	SDP2420 (OMAP2420, ES2.2, EMU), M1 (ES2.1)
CSST_SDP242x_v1.6	SDP2420-V10.2	(OMAP2420POP, ES2.2, GP), M1 (ES2.1), V10.2,Socketed
CSST_SDP242x_v1.6	SDP2420-V10.3	(OMAP2420POP, ES2.2, EMU), M1 (ES2.1), V10.3,Socketed
CSST_SDP242x_v1.6	SDP2420-VG11.0.0	SDP2420 V11.0 (OMAP2420, ES2.3, GP), M1 (ES2.2)
CSST_SDP242x_v1.6	SDP2420-VG11.1.0	SDP2420 VG11.1.0 (OMAP2420POP, ES2.3, GP), M1 (ES2.2)
CSST_SDP242x_v1.6	SDP2420DB-V9.2	OMAP2420(ES2.2, GP), M1(ES2.1),Socketed, with External Memory Module
CSST_SDP242x_v1.6	SDP2420DB-V9.3	OMAP2420(ES2.2, EMU), M1(ES2.1),Socketed, with External Memory Module
CSST_SDP242x_v1.6	SDP2420DB-V9.4	OMAP2420(ES2.2, GP), M1(ES2.1) with External Memory Module
CSST_SDP242x_v1.6	SDP2420DB-V9.5	OMAP2420(ES2.2, EMU), M1(ES2.1) with External Memory Module
CSST_SDP242x_v1.6	SDP2420DB-V10.2	OMAP2420(POP, ES2.2, GP), M1 (ES2.1), Socketed

TEXAS INSTRUMENTS

CSST_SDP242x_v1.6	SDP2420DB-VG11.0.0	OMAP2420(ES2.3, GP), M1(ES2.2), 1GBIT DDR,512MBIT NAND, 2GBIT ONENAND
CSST_SDP242x_v1.6	SDP2420DB-VG11.1.0	SDP2420(OMAP2420POP, ES2.3, GP), M1 (ES2.2) WITH MEMORY MODULE
CSST_SDP242x_v1.6	SDP2422-V1.1	Initial Release of SDP (OMAP2422, ES2.0, GP), M1 (ES1.2)
CSST_SDP242x_v1.6	SDP2422-V1.2	Initial Release of SDP (OMAP2422, ES2.0, GP), M1 (ES1.2) Socket
CSST_SDP242x_v1.6	SDP2422-V1.3	Initial Release of SDP (OMAP2422, ES2.05, GP), M1 (ES1.2)
CSST_SDP242x_v1.6	SDP2422-V2.1	Initial Release of SDP (OMAP2422, ES2.1, GP), M1 (ES2.0)
CSST_SDP242x_v1.6	SDP2423	OMAP2423 ES2.0

Note: Please see for a list of platforms on which this release of CSST_SDP242x_v1.6 was tested.

TEXAS INSTRUMENTS

2.   Features

2.1.   New Feature:

CSST_SDP242x_v1.6 supports the following features in addition to the features supported in CSST_SDP242x_v1.5.

2.1.1.   Framework (Platform independent features):
- Supports CSST Framework 1.15 Release

2.2.   Supported Features

CSST_SDP242x_v1.6 is backward compatible with the features supported by CSST_SDP242x_v1.5 on 242x platforms. Please refer to Section 6 for all the legacy features supported in CSST for SDP242X platforms.

- Download to 242x SDP platforms using 2420 ES2.3 Silicon.

NOTE:
- For USB downloads via CSST - Please uninstall OSTTools release if already installed and reconfigure USB to use CSST USB driver.
- If CSST_SDP242x_v1.3 or previous version is already installed, please upgrade the USB driver with the USB driver packaged with CSST_SDP242x_v1.6 release. Please refer to Quick Start Guide, Section 3 for upgrade steps.

2.3.   Unsupported features

The following features are not supported in CSST_SDP242x_v1.6 release

- No diagnostic support is available in this CSST release. Please use latest OSTBoot release to perform board diagnostics.
- Does not support OMAP2420 ES2.0 or ES1.0 silicon samples
- Does not support CSST monitor mode downloads
- Does not support 2422 HS/EMU and 2423 HS/EMU devices

2.4.   Postponed Features

None.

2.5.   Future Planned Features

None.

TEXAS
INSTRUMENTS

3. Issues

3.1. Defects Fixed in This Release:

3.1.1. Download module (platform dependent fixes):

Table 2   Platform dependent fixes in CSST_SDP242x_v1.6

Defect ID	Description
OMAPS00158212	Download to NAND is not working on SDP2420 ES2.3 silicon with CSST_SDP242x_V1.5 release

3.1.2. CSST framework (platform independent fixes):

Table 3   Platform independent fixes in CSST_SDP242x_v1.6

Defect ID	Description
OMAPS00160424	To support MMC signing for 3430
OMAPS00161445	CSST GUI will crash when debug & trace settings change to level 5 & ON for trace in Monitor mode for Diag module (more Desc)
OMAPS00153847	Tabbing is not working properly in Multitasking mode in Sign module in SDP3430 platform
OMAPS00158878	Download will not work and popsup message "invalid address" by throwing message "DL parameter error " in below condition
OMAPS00158881	Functionality of "execute after download" for RAM will not work properly in below condition.
OMAPS00159768	CSST should pop up error message "File Not Found" if a file is not in the directory chosen
OMAPS00138595	'Check NAND for Bad blocks' option is also required in Verify operation of Non-Interactive CLI
OMAPS00154055	CSST T2 power control logic does not function consistently
OMAPS00159768	CSST should pop up error message "File Not Found" , if a file is not in the directory chose
OMAPS00158876	Entire erase will work even if start address '0x20000000' is given for NOR. Actually this is start address for Onenand
OMAPS00136747	NAND / ONENAND erase through ERASE tab in CSST GUI
OMAPS00147347	Monitor Mode limitation in downloading to different chip select
OMAPS00158879	Save is not working in following condition as given in description in download tab in GUI
OMAPS00158882	Option "entire erase" will enable in below condition which is not valid. Here this option needs to disable in CSST GUI
OMAPS00136887	24xx Sign config needs rework
OMAPS00158073	CSST tool erases first file when two or more files are written together and Erase Entire Flash is enabled."
OMAPS00154146	Host GUI: Diagnostics Abort issue
OMAPS00158889	Needs to disable options 'Master dump image format' & 'Data line file system format in "advanced options window" in Download

TEXAS INSTRUMENTS

OMAPS00080222	Configurable UI
OMAPS00158899	CSST GUI will crash in below conditions
OMAPS00164465	Issue with MSV values in PK certificate in multitask mode
OMAPS00121646	Is verify and read for RAM in Boot_Rom mde is required in GUI?
OMAPS00149316	Command Line Interface of the CSST does not perform the signing properly when R&D Certificate is included w/ R&D SW/PA key
OMAPS00166813	Need enabling of the "Skip Erase" option for Nand in CSST tool

3.2. Open Defects

3.2.1. CSST Platform dependent defects

Table 4   Platform dependent open defects in CSST_SDP242x_v1.6

Defect ID	Description
OMAPS00136864	Execute after download doesn't work in USB Mode
OMAPS00146176	NAND memory booting is not working on SDP2422 GP platform
OMAPS00148144	USB driver in CSST as well as OST tools for OMAP2 platforms do not agree with the protocol expected by the ROM code

3.2.2. CSST framework (platform independent defects):

Table 5   Platform independent open defects in CSST_SDP242x_v1.6

Defect ID	Description
OMAPS00154147	Host GUI/CLI: confusing dumping of data in debug window
OMAPS00154144	CLI: Non return to CSST is not functional
OMAPS00153950	Edited fields will not save in 'Change' option in target information display
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
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
OMAPS00147342	Host GUI: Enable/Disable debug window merely resizes the debug window

TEXAS INSTRUMENTS

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
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
OMAPS00158897	CSST Icon will not show in below condition in 'switch between window dialog' (dialog window opens when Pressed ALT+TAB Key)
OMAPS00158894	Tabbing is not working properly in "edit" window in Target name & Family option
OMAPS00158893	Tabbing is not working in following condition in download tab
OMAPS00158887	Tabbing is not working properly in download tab in GUI when device selected was NAND in advanced options window
OMAPS00158655	Die ID / ASIC ID information available from CSST on SDP versions
OMAPS00166815	CSST RAM boot prevents CORE Domain transitions
OMAPS00166812	GFCI implementation for 2420, 2430 and 3430 platforms
OMAPS00166119	CSST GUI should not allow to read in below condition
OMAPS00166054	CSSTOMAP2420 and 2430 does not handle the Initial SW offset address properly in the signing window
OMAPS00165848	CSST look and feel - In ISW certificate Poll info the Poll type column is unused
OMAPS00165799	Valid COM port needs to display as default in below condition
OMAPS00165796	UART ports needs to display in Ascending order in Non-Interactive CLI in below condition
OMAPS00165235	GUI : Host Debug file went out of bounds
OMAPS00164590	Uart_drv.c needs to be re-implemented with an alternate approach (please see internal attachment for mail conversation}
OMAPS00164460	Check boxes selection & deselection does not get reflected once clicked OK and reopened again in Generate Cert tab in Sign UI
OMAPS00164341	Debug & trace functionality support is not available for Erase,Read & Verify functions in Non-interactive CLI
OMAPS00163662	CORE is not going to Retention in CSST RAM boot

TEXAS INSTRUMENTS

OMAPS00163027	Is 'Close' button is required in all certificate generation tabs (PK, PPA, R&D, ISW, KI, PA Certificate tabs) in Sign tab ?
OMAPS00162980	CSST GUI should not allow user to do other operation on parent window unless child window exists in below condition
OMAPS00156789	CSST Host Stop responding in below condition & also unable download in GUI
OMAPS00168323	CSST GUI should not give options in Boot_Rom mode for " Destination" to change as " Host" in Debug & Trace window

3.3. Open Change Requests

Not applicable

3.4. Rejected Defects

Not applicable.

3.5. Postponed Defects

Not applicable

3.6. Known Limitations

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

2. On Japanese machine, GUI disappears after downloading the images.
   Type of issue: OS compatibility
   Platforms: All
   Status: Closed.
   Workaround: None.

4. Test Results

4.1. Host Software

CSST_SDP242x_v1.6 GUI has been tested on PC with following Windows Operating Systems.

Table 6   Supported Operating Systems

No.	Windows Version	Language
1	WINDOWS XP, SP2	ENGLISH
2	WINDOWS 2000	ENGLISH

TEXAS INSTRUMENTS

4.2.   Tested OMAP242x SDPs

CSST_SDP242x_v1.6 is tested on following platforms:

Table 7   Tested OMAP242x SDP's

No.	OMAP242x	Revisions	
1	OMAP 2420 ES2.05 (GP)	Main Board	700 -0561-001 Rev C.1
		Daughter Board	750 -0006-006 Rev B
		UI Board	700-0486-000 Rev B
2	OMAP 2420 ES2.1 (GP)		
3	OMAP 2420 ES2.2 (GP)	Main Board	700 -0561-001 Rev C.2
		Daughter Board	750 -0011-005
		Memory Board	750-2060–001 Rev A
		UI Board	700-0486-000 Rev B
4	OMAP 2420 ES2.2 (EMU)	Main Board	700 -0561-001 Rev C.2
		Daughter Board	750 -0011-002 Rev B
		UI Board	750-0486-001
5.	OMAP 2420 POP ES2.05(GP)	Main Board	700 -0561-001 Rev C
		Daughter Board	750-2070-001 Rev B
		Memory Board	750-2060–001 Rev A
		UI Board	700-0486-000 Rev B
5.	OMAP 2420 POP ES2.2(HS)		
6.	OMAP 2422 ES2.0	Main Board	700-0561-001 Rev C
		Daughter Board	700-0486-000 Rev B
		UI Board	700-0486-000 Rev B
7.	OMAP 2422 ES2.05	Main Board	700-0561-001 Rev C
		Daughter Board	700-0486-000 Rev B
		UI Board	700-0486-000 Rev B
8.	OMAP 2422 ES2.1	Main Board	700-0561-001 Rev C
		Daughter Board	700-0010-002 Rev B
		UI Board	700-0486-000 Rev B
9.	OMAP 2423 ES2.1.1	Main Board	700-0561-001Rev C
		Daughter Board	750-2070-001 Rev B
		Memory Board	750-2060-001 Rev A
		UI Board	700-0486-000 Rev B
10	OMAP 2420 ES2.3	Main Board	750-2021-001RevB
		Daughter Board	750-0012-002RevB
		Memory Board	750-2100-001RevA
		UI Board	750-0484-001RevA
		MPDB Board	700-0582-001RevB

TEXAS INSTRUMENTS

4.3. Test Summary

S. No.	Download functionality	Mode	Test Result
1.	Download to GP device	BOOT ROM (UART & USB)	Tested OK
2.	Download to HS/EMU device (2420 only)	BOOT ROM (UART & USB)	Tested OK
3.	SDRAM Download	BOOT ROM (UART & USB)	Tested OK
4.	L18 Strata NOR Download	BOOT ROM (UART & USB)	Tested OK
5.	M18 Sibley NOR Download	BOOT ROM (UART & USB)	Tested OK
6.	NAND Download	BOOT ROM (UART & USB)	Tested OK
7.	OneNAND Download	BOOT ROM (UART & USB)	Tested OK

Table 8   Download Test Result

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Table 9   Signing/Image formatting Test Results

S. No.	Signing/Image formatting	Device	Test Result
1.	Image formatting for peripheral booting	OMAP2420 GP/OMAP2422 GP/ OMAP2423 GP	Tested OK
2.	NAND formatting for memory boot	OMAP2420 GP/OMAP2422 GP/ OMAP2423 GP	Tested OK
3.	OneNAND formatting for memory boot	OMAP2420 GP/OMAP2422 GP/ OMAP2423 GP	Tested OK
4.	Signing for Memory booting – NOR, NAND, & OneNAND.	OMAP2420 HS	Tested OK
5.	Signing for peripheral booting	OMAP2420 HS	Tested OK

5.   Release Content

5.1.   Host executables

Host executables (under "*<installed directory>*\" directory)

- *csst.exe* – The CSST GUI executable file
- *csstcli.exe* – The CSST CLI executable file

USB Driver (under "*<installed directory>\usb_drv_windows*" directory)

- *csstusb.sys* - Windows USB driver sys file for 242x.
- *csstusb.inf* – INF file for the Windows USB driver.

TEXAS INSTRUMENTS

5.2.   Target executables

2nd downloader (under "*<installed directory>\targets\2nd-downloaders*" directory)

- *dnld_startup_2420_ES2_EMU.2nd* - 2nd file for EMU/HS devices.
- *dnld_startup_2420_ES2_EMU.raw* - raw file for EMU/HS devices.
- *dnld_startup_2420.out* – out file for generating .2nd images.
- *dnld_startup_2420_ES2_gp.2nd*– 2nd file for GP devices.
- *dnld_startup_2422_ES2_gp.2nd*– 2nd file for GP devices.
- dnld_startup_2423_ES2_gp.2nd– 2nd file for GP devices.

Flash Drivers (under "*<installed directory>\targets\Flash-Drivers*" directory)

- *nor_intel_drv.out* – NOR Flash Drivers for 242x boards.
- *nand_samsung_drv.out* – 16-bit NAND Flash Drivers for 242x boards.
- *onenand_samsung_drv.out*– OneNAND Flash Drivers for 242x boards.
- *nor_intel_sibley_drv.out* – Sibley NOR Flash Drivers for 242x boards.
- *ram_drv.out* – RAM memory driver for 242x boards.

Sample Images (under "*<installed directory>\targets\sample-images*" directory)

- *boot_csst_2420_23.out* – Boot Image for OMAP2420 and OMAP2423 GP device from NOR (strata flash or sibley flash) flash.
- *boot_csst_2420_23.raw* – Boot Image for OMAP2420 and OMAP2423 GP device from NOR (strata flash or sibley flash) flash.
- *boot_csst_2420_23_ NAND_HS.ift* – Boot Image for OMAP2420 HS device from NAND flash.
- *boot_csst_2420_23_NOR_HS.ift* – Boot Image for OMAP2420 HS device from NOR(strata flash or sibley flash) flash.
- *boot_csst_2420_23_NAND_GP.ift* – Boot Image for OMAP2420 and OMAP2423 GP device from NAND flash.
- *boot_csst_2420_23_ONENAND_GP.ift* – Boot Image for OMAP2420 and OMAP2423 GP device from OneNAND flash.
- *boot_csst_2422.out* – Boot Image for OMAP2422 GP device from NOR flash.
- *boot_csst_2422.raw* – Boot Image for OMAP2422 GP device from NOR flash.
- *boot_csst_2422_NAND_GP.ift* – Boot Image for OMAP2422 GP device from NAND flash.
- *return_csst_2420_23.out* - Sample executable to run from SDRAM for OMAP2420 and OMAP2423 HS/GP devices.
- *return_csst_2422.out* - Sample executable to run from SDRAM for OMAP2422 GP devices.

5.2.1.   IFT Keys and Certificates

Files and directories available under the ***<installed directory>\security\IFT\Keys*** 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 ***<installed directory>\securtity\IFT\Certificates*** directory:

- *DSw_Certificate* –Initial SW certificate for 24xx platforms.
- *RD* – R&D certificate for 24xx platforms.
- *Keys* – PD certificate for 24xx platforms.

TEXAS INSTRUMENTS

- *PPA24xx* - PPA certificate for 242x platforms.
- *Subapp0, Subapp1, Subapp2, Subapp3* – PA sub-application binary image files for 24xx platforms

5.3.   Documents:

The CSST_SDP242x_v1.6 release contains the following documents:

- *CSST_QuickStartGuide_SDP242x.pdf* – Platform specific document that has information on DIP switches, memory locations to download images etc for OMAP242X based SDP platforms.
- *CSST_SDP242x_ReleaseNotes_v1_6.pdf* – This Document.
- *CSST_UserManual.pdf* – CSST User Manual covers the generic behavior of the CSST tool.

6.   Previous Releases

6.1.   CSST_SDP242x_v1.5 supports following features

- Supports framework 1.13 Release.

6.2.   CSST_SDP242x_v1.4 supports following features

Download Module:

- Downloading support to 2GB OneNAND.

Defects Fixed in this Release:

- Downloading of images greater than 8MB supported on Sibley NOR and OneNAND.
- OMAPS00122837 - NAND 8 bit Samsung/Toshiba driver that supports ECC correction upon reads.
- OMAPS00136864 - Execute after download doesn't work in USB Mode.

6.3.   CSST_SDP242x_v1.3 supports following features:

Download Module:

- Supports USB download from Non-Interactive CLI.
- Supports Save and Load last used configuration.

Signing Module:

- Supports Save and Load configuration.

Defects Fixed are:

- OMAPS00078858 USB download support in non-interactive CLI mode.
- OMAPS00075482 Improvements for the non interactive CSST CLI
- 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

TEXAS INSTRUMENTS

- 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.
- OMAPS00083285 OMAP signing needs a "save configuration" / "load configuration"
- OMAPS00091699 Save configuration for download window
- OMAPS00089911 In GUI settings, link type and Mode settings will not save

6.4.   CSST_SDP242x_v1.2 supports following features:

Supports SDP2423 boards

- UART image download support to RAM, NOR and NAND
- USB image download support to RAM, NOR and NAND
- New PPA

Defects fixed are:

- USB driver update to make memory boot work in internal boot mode when USB is connected to the board

Note: USB driver on the PC host machine should be updated with the latest USB driver provided in this release to get this fix.

6.5.   CSST_SDP2420_v1.1 supports following features:

- Supports WinMobile image downloads to both discrete and Combo NAND (ER - OMAPS00072703)
- Supports SDP2420 boards with OMAP2420 POP GP and HS Devices.
- Supports SDP2422 boards
- Supports SDP2423 boards
- GP and HS/EMU Image signing and Formatting for NOR and NAND flash memories
- Defects fixed are
  - ◆ OMAPS00084184 -Quick start guide update (dip switch setting)
  - ◆ OMAPS00081555 -Downloading to NAND works, but uploading fails.
  - ◆ OMAPS00084185 – USB peripheral booting not working on SDP242x boards.
  - ◆ Downloading of 34Mb image fails- This issue is fixed
  - ◆ On 2420 ES2.05, 2420 ES2.2 and 2420 POP (GP), NOR download was failing, when an image of 10Mb was downloaded.
  - ◆ OMAPS00073690 - Signing module is not generating correct image

6.6.   CSST_SDP2420_v1.0 supports following features:

- USB Download in BOOT ROM mode
- UART Download in BOOT ROM mode
- Download support for

Texas Instruments

- ◆ Intel Strata NOR
- ◆ Samsung Combo NAND
- ◆ Samsung Discrete NAND
- ◆ Infineon DDR (For SDP2420 v9.x platforms)
- ◆ Samsung Combo DDR
- ◆ Sibley NOR (minimal tested)
- ◆ OneNAND (minimal tested)
- ■ Non interactive CLI download via UART
- ■ OSTBoot binary downloads to NOR flash
- ■ Support for 2422 SDP
- ■ Support for WinCE image download to NAND
- ■ GP and HS/EMU Image signing and Formatting for NOR and NAND flash memories
- ■ Improve GUI stability
- ■ Improved user experience for Boot Rom mode downloads
- ■ Non-interactive CLI download support

---**END OF DOCUMENT**---

TEXAS INSTRUMENTS