MC75A OPERATING SYSTEM BSP 04.47.05 RELEASE NOTES

INTRODUCTION

This is for release of MC75A6 HF RFID Update Loader Image v04.47.05. The release contains the SW required to update an MC75A6 HF RFID Professional device to the Rev C software release.

Update Loader based procedure for updating devices with RevB v81.37.04 SW image to MC75A6 RevC v04.47.05 Release:

1) Standard Update Procedure - device is cleaned of all persistent data.

Please note that due to architectural changes present in this release, it is critical that the installer read and follow the directions set forth in the update procedures very carefully. Deviations from the instructions set forth or alterations of the update loader package files provided may result in the loss of data, corruption of flash, and may result in being unable to easily recover the device.

This software is intended to be loaded and run on the MC75A6 HF RFID Professional devices. It is important that care be taken to match the device configuration with the appropriate Update Loader package. If an incorrect Update Loader package is loaded, the device may fail to operate properly or even fail to boot. Also, the Update Loader package software will not load on any non-MC75A6 device.

DESCRIPTION

General Enhancements in 04.47.05:

- Microsoft - Windows Embedded Hand held - AKU **29217.5.3.12.26**
- Updated WLAN driver version (JEDI) : Fusion version v3.00.2.0.031R

- Debug Tools CAB Installers

  - WM - eMScript, CaptureDump, ShimProfiler, VMM Service

- Added shortcut to eMScript CAB Installer in Start-Programs-Debug [After Installation, the 'Start_Emscript' & 'Stop_Emscript' link appears in the same folder]

- Added Support for KIOSK Mode.

- Removed Microsoft deprecated "Marketplace"

- Updated RIL driver :

  HSDPA:
  - RIL 1.1.6.129
  - USB Client 01.01.01.99
  - MUX 01.03.02.299

General Fixes:

- Stone Street One - BTExplorer 2.1.1 Build 27990

- Document Capture Feature [Document Capture v2.0]

- PixDLL v5.15.13.130

- Decoder1d v5.1.13.1

- MSP Agent 7.08.42, AirBEAM 7.08.42, RD Client 7.08.42 (Software release has been tested on MSP 3.3 and passed MSP Compliance)

- Data Wedge v3.6.8 [Pre-Installed in the device]

- Team Express Client Licensed version v1.1.62-0000 as a CAB file

- Updated SMSC driver for New 4-slot Ethernet cradles

- General Scanner Performance Improvements

- Added configuration support to handle SE960I and SE950I Scan Engines

- Scan Decode LED Time is reduced to 500ms

- By Default "Update Loader/AirBEAM" packages will NOT perform Cleaning of the Application partition, "Update Loader" zip file will contain file for Cleaning Application but by default the entry will not be present in the "pkgs.lst", If the User wants to clean the Application partition, user should add the "75A6w65HenCA000001.bin" File name in the "pkgs.lst" and copy the file with updated "pkgs.lst" into the device before running update process.
  If any Zebra patches have previously been installed that they should either be removed prior to updating the OS Or the "75A6w65HenCA000001.bin" should be included in the update package to ensure those older patches are no longer installed.

WLAN - Fusion Release Notes v3.00.2.0.0031R:

- SPR23692 - Resolved an issue whereby the Fusion radio is unavailable when resuming after several suspends

- SPR23318 - Resolved an issue whereby the Fusion stops communicating after some time and no more probe requests are sent from terminal.

- SPR21411 - Resolved an issue whereby the device does not send DHCP decline after a duplicate IP address is detected.

- SPR20363 - Resolved an issue whereby WLAN roams frequently in an environment where AP beacons are sent at 11 Mbps.

- SPR20889 - Resolved an issue whereby a Large percentage of beacons are missed at times.

- SPR21228 - Resolved an issue whereby the device does not get an IP address if the mixed mode configuration is changed in AP after device gets connected.

- SPR20750 - Resolved an issue whereby the dialog box loses focus when using Fusion to config a profile on Mobile Terminal without touch panel.

- SPR21898 - Resolved an issue seen whereby after performing a cold boot the device does not connect to the network.

- SPR24124 - Resolved an issue whereby an RDP session locks up after several roams.

- SPR24125 - Resolved an issue whereby a Fusion Supplicant triggers continuous EAPOL Start request.

- SPR24127 - Resolved an issue whereby the MU does not initiate authentication while connecting to a profile on resume.

- SPR23318 - Resolved an issue whereby there are no data packets sent receiving deauth.

- SPR24648 - Updated U-APSD settings by default set to Disable.

- SPR23227 - Resolved an issue whereby Fusion logs are displaying garbage characters while printing friendly names of the APIs.

- SPR24721 - Resolved an issue whereby Fusion Supplicant crashes occasionally after receiving M1 from the authenticator.

Scanner - SPR Fixes

- SPR23241 - Added support for QR FNC1 Barcode Symbology.

- SPR21692 - Resolved an issue whereby disabling adaptive scanning at start up was not working when configured to be disabled through a registry key.

- SPR22117 - Resolved an issue where a 1D SE-960 scan engine is not meeting the spec when used with MC9190-GA0SWGYA6WR

- SPR22625 - Narrow beam is set as default for Lorax.

- SPR22647 - Resolved an issue whereby an RS507 connected through Bluetooth, slows down when scanning.

- SPR22940 - Resolved an issue whereby the 1D SE960 medium beam setting is not possible to be selected.

- SPR23710 - Improved the Scanning Performance for SE960 and SE950 scan engines.

- SPR21239 - Resolved scanning issue seen on Lorax when using through DataWedge where is stops scanning.

MC75A6 HF RFID Specific Changes

- SPR22027 - Resolved an issue where in with or without pick list enabled, the imager most of the time scans wrong barcode

- SPR24213 - Resolved an issue where by multiple key pressing cause keyboard stuck and one key repeats in the loop till reboot

- SPR19313 - Added registry key to prevent the SD card from un-mounting when removing the battery.

- SPR21081 - Resolved an issue to show correct printer name in the registry.

- SPR19650 - Resolved an issue where by battery part numbers were reported incorrectly

- SPR23220 - Resolved an issue with SS1 Bluetooth stack, where in Bluetooth connection was lost when using Audio Gateway or Headset profile

- SPR23279 - Resolved issue where in Bluetooth Explorer crashes when switching between Wizard/Explorer modes.

- SPR22761 - Resolved an issue whereby the device locks up when trying to access the "www.motorola.com/enterprise" web link on IE

- SPR23015/23049/23623 - Resolved key repeat issue caused due to missing Key_UP event.

- SPR22012/21747 - Resolved an issue where by the trigger on the gun device does not work when the keyboard is disabled via CtlPanel.

- SPR21940/21706 - Resolved an issues where by opening COM port either by Serial App Or Pocket Browser meta tag causes to show junk characters.

- SPR22214 - Resolved an issue with Imager APIs, whereby the Camera took lot of time to take a picture.

- SPR24119 - Resolved an issue where by Bluetooth connection was getting terminated after 24 hours of active connection.

- SPR20717 - Resolved an issue whereby the Blue and Orange function keys were not indicating the respective key state.

- SPR21180/ SPR22372/ 23079 - Resolved Imager API issue whereby the camera driver returned Fragmented images.

- SPR19505 - Resolved Serial communication issue whereby at baud of 2400 (or 1200) communication does not work correctly

- SPR20999 - Resolved an issue whereby the Datawedge stops scanning.

- SPR20467 - Resolved an issue with "SetRegistryContext" API.

- SPR21794 - Resolved an issue whereby the Gain adjustments were not persistent after a timeout suspend.

- SPR21954 - Resolved a BT Explorer issue seen on Stone Street stack when the device moves from trusted to untrusted during reboot

- SPR24105 - Resolved EMDK compatibility issue seen with calling EMDK Battery API with SMART_BATTERY_STATUS_STRUCT structure.

- SPR23994 - Resolved an issue whereby the Illumination goes off after 5 to 10 scans with Pick list ON

- SPR23889 - Send data option now has settings to convert data to uppercase or lowercase.

- SPR23081 - Treat data as binary option now has a setting to treat all the data as ASCII data.
- SPR21527 - Resolved EMDK installation issue whereby Symbol.StandardForms.dll was not getting installed.

- SPR21170 - Resolved an issue where on few units, after performing a cold boot with phone ON was resulting in the phone OFF state.

- SPR21356 - Resolved an issue on localized OS whereby the title bar text on Settings applet shows boxes instead of actual text.

- SPR22759 - Removed EVDO GPS registry settings that overwrites the SiRF GPS registry setting

- SPR22570 - Resolved an issue with RS507 miss-decoding when using MS BT stack.

- SPR23421 - Microsoft resolved an issue whereby the cursor focus was changing to next tab while swiping with stylus to highlighting within the text box.

- SPR23493 - Microsoft added Secure Renegotiation support into the AKU, whereby the clients responds when the server wants to renegotiate the connection.

- SPR22769 - Microsoft resolved an issue whereby the OS did not support current Russian time zones.

- SPR23319/23112 - Microsoft resolved issues whereby RDP displays grid lines on remote windows applications

- SPR23189 - Resolved an issue with full screen handwrite on WM6.5 Traditional Chinese Localized OS

- SPR 23343 - Resolved an issue with Remote Desktop whereby pressing ALT + F (to open file menu) in remote desktop, the ALT Key was not getting released once the F Key is pressed.

- SPR21578 - Resolved an issue whereby RAS connection was not getting terminated or continued when the unit is removed from the vehicle.

- SPR21129 - Resolved an keyboard remapping issue seen on Japanese OS whereby when the Keypad Orange state is on, some of the key codes generated are incorrect.

- SPR20790 - Resolved an issue seen whereby it shows up an Unidentified USB error message when the device wakes up from suspended when on cradle.

- SPR21921 - Resolved an issue whereby screen black's out but the device is still functional which can be verified through remote desktop application.

- SPR22209 - Resolved issue where the Speaker Volume was very low.

- SPR22818 - Resolved an issue seen on MC75A6HF after a time out, where the screen stays black and backlight was still functional.

- SPR22021 - Resolved an issue whereby the device volume was not getting saved after a Warm or Cold boot

- SPR23048 - Resolved an issue whereby Green LED was not blinking after a battery swap

- SPR21549/22080 - Resolved an issue where the Wrong time zone displayed in the device when synchronized with network.

Fixes and Known Issues in MSP Agent v7.08.42:
"For MSP release notes, see Support Central and refer to the Release Notes document for the latest MSP release."

- Mobility Services Platform 4.2 Release Notes

    https://portal.motorolasolutions.com/Support/US-EN/Resolution?solutionId=91910&redirectForm=search&searchQuery=%3FsearchType%3Dsimple%26searchTerm%3DMSP%20release%20notes

Known Issues:
- Default Team Express Private call key is not mapped to any key. User must configure the key before starting the session.

Known issues in the Windows Mobile Products:
-    By default Input panel applet is not displayed in Start->Settings->Personal page due to a known issue from Microsoft wherein the user will not be able to close the Input panel applet.

    As a workaround if enabled, the applet can be closed using the "OK" button on the hard keyboard.

Remove the below registry entry and reboot, to display the "Input" applet under Settings\Personal page.

"Redirect"=""
 which is present in the following section:

[HKEY_LOCAL_MACHINE\ControlPanel\Input]

CONTENTS

1. 75A6w65HenUL044705.zip - UpdateLoader Package.

2. 75A6w65HenAB044705.APF - AirBeam Package.

3. MC75Ax Update Instructions.doc - Detailed instructions for updating the device with RevC v04.47.05 build.

DEVICE COMPATIBILITY

This software release has been approved for use with the following Symbol devices.

Device	Operating System
MC75A6 HF	Windows Mobile 6.5 Professional

INSTALLATION REQUIREMENTS

MC75A6 HF RFID device must contain a released version of WM6.5 Software.

INSTALLATION INSTRUCTIONS

IMPORTANT NOTES FOR Upgrading and Downgrading MC75A6 HF RFID Device to/from BSP47 (v4.47.05) RevC
OS Update Loader Users:
Standard Update Procedure - Device is cleaned of all persistent and not the application data. use this to update your device to a newer version of the OS.

Procedure:

1. Download the Update Loader Package 75A6w65HenUL044705.zip
2. Unzip the package and copy all files into either the /Temp folder on the device or at the root directory of a Storage Card.
3. If the contents are copied to SD card then place the SD card in the device to be upgraded.
4. Place the device to be upgrade on an A/C power.

5. Navigate to the SD Card or /Temp folder and invoke the program STARTUPDLDR.EXE.
6. The update will take about 5 minutes to complete.Please do not remove the device from A/C power during this time.
7. Once the download completes and the system reboots, the update is complete and the device is ready for use.

Airbeam Users:

Standard Update Procedure - this method erases all data on the device. Data stored in the in Persistent store will be lost.

Procedure:
1. Download the AirBeam OSUpdate Package 75A6w65HenAB044705.APF
2. Apply the AirBeam OS Update package 75A6w65HenAB044705.APF
3. Once the download completes and the system reboots, the update is complete and the device is ready for use.

Downgrade to RevB v81.41.04 - Standard Update Procedure:
Procedure:
1. Download the Update Loader Package 75A6w65HenUL814104.zip
2. Unzip the package and copy all files into either the /Temp folder on the device or at the root directory of a Storage Card.
3. If the contents are copied to SD card then place the SD card in the device to be upgraded.
4. Place the device to be upgrade on an A/C power.
5. Navigate to the SD Card or /Temp folder and invoke the program STARTUPDLDR.EXE.
6. The update will take about 5 minutes to complete.Please do not remove the device from A/C power during this time.
7. Once the download completes and the system reboots, the update is complete and the device is ready for use.

PART NUMBER AND RELEASE DATE

25 Feb, 2014

1. 75A6w65HenUL044705.zip

2. 75A6w65HenAB044705.APF