Release Notes - Windows Mobile 6.5 - Fusion 3.00.2.0.043R

Introduction

Fusion is a suite of software, which allows for WLAN connectivity, configuration, status reporting, and diagnostics. This release is an update for products with Windows Mobile 6.5.

Description

This release corrects the following issues

- Corrections for KRACK vulnerabilities applied. Refer to the security bulletin for further details on KRACK vulnerability.

    https://www.zebra.com/us/en/support-downloads/lifeguard-security/lifeguard-krack.html

- SPR 28250 – Support to redirect supplicant logs and Fusion logs to a specific location has been added.
- SPR 28129 – Fusion repeatedly tries to negotiate keys with the Access Point and results in loss of connection.
- SPR 26805 - Support for SHA-256 has been added.

UAPSD is disabled by default. This can be modified by changing the registry values in the \Application\UAPSD_Jedi.reg file of the device and then merging this registry file. The device needs to be warm booted after merging the file.

Current release supports the following languages based on the localization version of Windows Mobile 6.5 used.

- French
- German
- Italian
- Spanish
- Simplified Chinese

This Fusion version contains the following module versions:

WC Config Editor	3.00.2.0.22
WC Diagnostics	3.00.2.0.10
WC Status	3.00.2.0.21
CertManage	3.00.2.0.16
WC Launch	3.00.2.0.10
PacStore Service	3.00.2.0.2
Fusion Public API	3.00.2.0.5
WCSAPI	3.00.2.0.3
WCSRV	3.00.2.0.32
LoginService	3.00.2.0.11
Jedi 1.0	3.00.2.0.29

Device Compatibility

This software release has been approved for use with the following Motorola devices:

Device	Operating System	OEM Version	Fusion Version
MC55	Windows Mobile 6.5	03.38.04	Any previous 3.00 version
MC55A	Windows Mobile 6.5	01.34.05 02.41.03 03.47.04 04.47.10	Any previous 3.00 version
MC75	Windows Mobile 6.5	03.38.03	Any previous 3.00 version
MC75A	Windows Mobile 6.5	01.23.11 02.37.01 03.41.03 04.47.04 04.47.05 60.47.0010	Any previous 3.00 version

		02.27.08 03.37.02 04.41.03 04.41.04 05.47.02 06.47.12	
MC95	Windows Mobile 6.5	02.27.08 03.37.02 04.41.03 04.41.04 05.47.02 06.47.12	Any previous 3.00 version
MC31xx	Windows Mobile 6.5	02.27.06 03.37.00 04.41.03 05.47.02 06.47.12 06.47.20	Any previous 3.00 version
VC60xx	Windows Mobile 6.5	09.38.02 81.38.0010	Any previous 3.00 version
MC9190	Windows Mobile 6.5	01.34.08 02.41.03 03.47.02 04.47.12 60.47.20	Any previous 3.00 version

Installation Instructions

NOTE: Prior to installation, ensure that you are currently running an approved version of the Operating System from the table above. Otherwise, visit http://support.symbol.com and load the correct DCP for your product.

Manual Installation:

1. Copy "Fusion_3.00.2.0.043R_WM65.ARM.CAB" onto the device using Active Sync.
2. Double click the "Fusion_3.00.2.0.043R_WM65.ARM.CAB" to extract it.
3. Press OK on the File Dialog and follow on screen instructions to complete installation.
4. This cab installer will warm boot the device automatically to complete the installation.

Airbeam /Automated Installation:

1. Create an Airbeam package that will install "Fusion_3.00.2.0.043R_WM65_no_reboot.ARM.CAB".
2. The Airbeam package must Warm Boot the device after installation.
3. Use Airbeam Client to install.

Version History

Fusion 3.00.2.0.043R, November 2017
Bugs Fixed:
- Corrections for KRACK vulnerabilities applied. Refer to the security bulletin for further details on KRACK vulnerability.

  https://www.zebra.com/us/en/support-downloads/lifeguard-security/lifeguard-krack.html

- SPR 28250 – Support to redirect supplicant logs and Fusion logs to a specific location has been added.
- SPR 28129 – Fusion repeatedly tries to negotiate keys with the Access Point and results in loss of connection.
- SPR 26805 - Support for SHA-256 has been added.

Fusion 3.00.2.0.039R, February 2015
Bugs Fixed:
- SPR 25856 – Fusion's Auto Time Config will set the time on every roam.
- SPR 25317 – Device Fusion/WIFI adapter Keep resetting after connect to WIFI for a few hours.
- SPR 25694 – Missing Jordan country code from the regulatory.
- SPR 26314 - Re-branding Fusion to use Symbol instead of Motorola in all its components.
- SPR 26570 – Fusion does not allow the application to set Advanced ID for EAP_FAST profile when it is created programmatically.
- SPR 26348 - Fusion Packet exchange [session + continuous ping] abruptly stops over time & continues, sometimes for multiple minutes until radio-reset recovery.
- SPR 25378 – Opportunistic Key Caching (OKC) does not work on MC3190 WLAN radio.

Fusion 3.00.2.0.033R, April 2014
Bugs Fixed:
- SPR 25158 – Radio resets intermittently during boot causing incomplete initialization of the supplicant and resulting in authentication failure.
- SPR 25218 – Abrupt system time change results in continuous EAPOL loop.
- WLAN profile does not connect for some time when the terminal is suspended & resumed in good/fair signal.

Fusion 3.00.2.0.032R, January 2014
Bugs Fixed:
- SPR 24330 –Memory leak is observed when creating multiple wireless LAN instances through EMDK .NET.
- SPR 24721 - Supplicant crashes occasionally after receiving M1 from the authenticator.
- SPR 23227 – Fusion logs are displaying unprintable characters while printing friendly names of the API's.

- SPR 24648 - U-APSD setting changed to disable state by default.
- SPR 23318 - Radio occasionally does not send packets after receiving deauth from the Access Point.
- SPR 24127 - Radio intermittently does not initiate authentication while connecting to a profile on resume if the profile is applied through Wavelink Enabler.
- SPR 24125 - Supplicant sometimes triggers EAPOL Start request every 10 seconds.
- SPR 24124 - RDP session locks up after several roams.
- WLAN profile does not connect for some time when the terminal is suspended & resumed in good/fair signal.
- MPA2.0 CE6.0 devices lock up during MSP OSupdate using wifi.
- Could not configure WLAN Settings issue on FC2 Build.

Fusion 3.00.2.0.025R, July 2012

Bugs Fixed:
- SPR 20750 – When User switches away from the current instance of the Wireless Config editor (WC), then coming back via selecting WC, another instance of the WC is activated. The focus on the 1st instance of the WC is lost.
- SPR 22164 – The radio may reset occasionally during operation with 802.1x/AES (WPA2-Enterprise) on Fusion versions 3.00.2.0.019R through 3.00.2.0.023R.
- SPR 22246 - Connecting or disconnecting WAN data connection on GOBI device (MC959B) causes fusion connection to be disrupted until the device re-associates to the AP.
- SPR 21898 - Fusion 3.00.2.0.022R after a cold boot the device does not connect to the network and after a warm boot it connects to the network.

Fusion 3.00.2.0.023R, June 2012

Bugs Fixed:
- SPR 22109 - When Team Phone is running with Fusion, and in a call if the device goes out of range, when it comes back in range, it will not re-associate.
- SPR 21140 – Fusion 3.00.2.0.020R disconnects and re-connects repeatedly in ADHOC mode

Enhancements:
- In localized OS, after reset when Fusion log is saved, the first entry in the English translation is incorrect, and saved as the localized string.

Fusion 3.00.2.0.022R, November 2011

Bugs Fixed:
- SPR 21181 - Fusion wireless logs is blank, when regional settings are set to different region than US.
- SPR 20889 – Large percentage of missed beacons in MC75A at times leading to frequent roam.

  The fix for SPR 20889 is disabled by default.
  To enable the fix the following registry needs to be used.
  [HKEY_LOCAL_MACHINE\Comm\JEDI10_1\Parms]
  "UseChangeFor5_5"=dword:1

Enhancements:
- After a clean boot, Windows Default Home page displays WiFi: Off in English, even if Fusion is localized for a language other than English.
- Added support for Simplified Chinese locale.

Fusion 3.00.2.0.020R, August 2011
Bugs Fixed:
- SPR 20440 - Key negotiation timeout was experienced on occasion after a cold boot while using WPA/WPA2 security.
- SPR 20363 – WLAN roams frequently in an environment where AP beacons are sent at 11 Mbps (i.e. the lowest basic rate on the AP is set to 11 Mbps).

Fusion 3.00.2.0.008R, January 2011
Bugs Fixed:
- SPR 19748 – FIPS self-integrity test failure on v3.00.2.0.007R.

Fusion 3.00.2.0.007R, November 2010
Enhancements:
- Ability to override user certificate hash in addition to the other network user credentials identity, password and domain.

Part Number and Release Date

Fusion v3.00.2.0.043R
November 29, 2017