

Honeywell Process Solutions

OneWireless Release Notes

OWDOC-X252-en-220A

R220

October 2013

Release 220

Honeywell

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About This Document

This Release Notes describes the new functions and features in OneWireless R220 release. In our efforts to provide the most up-to-date information, updates to this Release Notes are available on the Honeywell Online Support Web site.

Release Information

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Symbol Definitions

The following table lists those symbols used in this document to denote certain conditions.

Symbol	Definition
	ATTENTION: Identifies information that requires special consideration.
	TIP: Identifies advice or hints for the user, often in terms of performing a task.
	REFERENCE - EXTERNAL: Identifies an additional source of information outside of the bookset.
	REFERENCE - INTERNAL: Identifies an additional source of information within the bookset.
CAUTION	Indicates a situation which, if not avoided, may result in equipment or work (data) on the system being damaged or lost, or may result in the inability to properly operate the process.
	<p>CAUTION: Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.</p> <p>CAUTION symbol on the equipment refers the user to the product manual for additional information. The symbol appears next to required information in the manual.</p>
	<p>WARNING: Indicates a potentially hazardous situation, which, if not avoided, could result in serious injury or death.</p> <p>WARNING symbol on the equipment refers the user to the product manual for additional information. The symbol appears next to required information in the manual.</p>

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1. Before you begin

1.1. Getting the latest software and documentation updates

1. Before you begin

1.1 Getting the latest software and documentation updates

You can access Honeywell Process Solutions online support website for accessing the latest software and documentation updates.

Step	Action
1	In the Web browser application, type https://www.honeywellprocess.com .
2	Type your user login and password and click Login . If you are a new user, you must register for access to the Web site.
3	On the Support tab, click See More under Product Support .
4	Search for OneWireless R220 .
5	Under the Product Release filters, select show more and select OneWireless R220 to see the latest Notifications, Product Documentation, and Software Downloads.
6	Download the required software or documentation updates, if any.

1.2 Read these documents

OneWireless R220 Release Notes – OWDOC-X252-en-220A

The *OneWireless R220 Release Notes* (this document) provides

- Information about the new functions in the release
- Information about the known issues with the release
- Information about the problems resolved in this release

Network Planning and Installation Guide – OWDOC-X253-en-220A

The *Network Planning and Installation Guide for Multinode* provides information about planning, designing, and setting up the OneWireless R220 Network using WDM, FDAPs, Multinodes and field devices.

Wireless Device Manager User's Guide – OWDOC-X254-en-220A

The *Wireless Device Manager User's Guide* provides information about installing, configuring, operating, monitoring, and maintaining the ISA100.11a wireless field device network using the Wireless Device Manager.

Field Device Access Point User's Guide – OWDOC-X256-en-220A

The *Field Device Access Point User's Guide* provides information about installing, configuring, and operating a Field Device Access Point.

OneWireless R220 Parameter Reference Dictionary – OWDOC-X260-en-220A

The *OneWireless R220 Parameter Reference Dictionary* defines the user-visible device parameters that are available on the OneWireless user interface. Use this document as a reference when you deploy the

1. Before you begin

1.2. Read these documents

OneWireless Network and during operation, when detailed information about device parameters is required.

OneWireless Wireless LAN Controller Configuration Guide – OWDOC-X255-en-220A

The *OneWireless Wireless LAN Controller Configuration Guide* provides information about planning, designing, setting up, and configuring OneWireless R220 Network using WDM, FDAPs, Cisco Aironet 1552S APs and field devices.

OneWireless R220 Migration User's Guide – OWDOC-X258-en-220A

The *OneWireless R220 Migration User's Guide* provides information about migrating from OneWireless R120.1 to R220 (i.e. proprietary to ISA100.11a compliant) and OneWireless R202.1 to R220 (i.e. previous to latest release).

OneWireless Experion PKS Integration User's Guide – OWDOC-X259-en-220A

The *OneWireless Experion PKS Integration User's Guide* provides an overview of Experion PKS and OneWireless integration architecture. It also describes the tasks that you need to perform to configure the OneWireless Network components in your Experion PKS system. This document is only applicable if you are integrating OneWireless Network with Experion PKS.

OneWireless Experion PKS Migration User's Guide – OWDOC-X266-en-220A

The *OneWireless Experion PKS Migration User's Guide* assists you in understanding, planning, and performing the migration of OneWireless Network integrated with Experion R410.1 or Experion R410.2 system.

2. What's new in OneWireless R220?

2.1 WDM Redundancy

WDM Redundancy provides an uninterrupted view to the ISA100 wireless network in the event of a hardware or software failure within the Wireless Device Manager:

- WDM Redundancy synchronizes process data, alarms and events, ISA100 network databases, and WDM configuration between a primary WDM and a secondary WDM in real time.
- WDM Redundancy provides transparent switchover with no loss of view to ISA100 network.
- WDM Redundancy allows user to implement network topology with no single point of failure, including network switches.

WDM Redundancy is only supported on the new WDMX hardware (with three Ethernet ports). WDM Redundancy is not supported on older WDMS hardware (with two Ethernet ports).

2.2 Enraf FlexLine Interface

The Enraf FlexLine Interface allows integration between Enraf FlexLine wireless field devices and Enraf client applications (such as EntisPro and Engauge). The Enraf FlexLine Interface provides a “protocol tunnel” to transport messages between client applications and FlexLine field devices.

2.3 User Interface Enhancements

The OneWireless R220 User Interface has significant usability enhancements:

- **Improved Maps and Map Overlays** – Access points, routers, and field devices can now be placed on multiple maps. New map overlays allow a user to view all connections, routing connections only, or time synchronization connections only within the map display. Connections are assigned an overall quality of good, fair, or poor based upon RSQI, RSSI, and transmit fail ratio statistics. Connections displayed within the map are color coded based upon overall quality.
- **Communication Redundancy State statistics and alarms** – The user interface will display the communication redundancy state of each device. A communication redundancy ratio statistic is provided to identify devices with frequent non-redundant connectivity over time, even if the device currently has redundant connectivity. In addition, devices may optionally alarm if a non-redundant connection is detected.
- **Improved Reports** – The new connection summary report provides a list of parent nodes, connection quality, and connection redundancy for all devices on the wireless network. The connection summary report can be used to quickly gauge the overall health of the wireless network.
The new device history and connection history reports provide a list of significant changes within wireless network. The device history and connection history reports can be used to review historical information for the wireless network.
Reports may be exported to CSV files so that data can be sorted and filtered within Microsoft Excel (or any other data processing application).
- **Point Picker** – A point picker is provided to configure Modbus register tables. The point picker provides details on each parameter, such as data type, classification, read/write access, and a description.

2. What's new in OneWireless R220?

2.4. RS-485 Support

- **Support Software** – A support software menu provides easy access to downloadable software on the WDM, such as the Provisioning Device application installer or the OPC-UA Proxy installer.

2.4 RS-485 Support

OneWireless will now support RS-232 and RS-485 communication for Modbus, HART, and Enraf interfaces.

- WDMX hardware will support one RS-232 port (COM1) and one RS-485 port (COM2).
- WDMS hardware will support two RS-232 ports (COM1, COM2) and one RS-485 port (COM3).
- Modbus interface now has configurable "unit ID" parameter (applies to Modbus RTU only).
- HART interface now has configurable "polling address" parameter (applies to HART serial only).

Multi-drop is supported. For example, a Modbus RTU controller using RS-485 could be connected to multiple WDMs. Multi-drop also allows serial connections to a redundant WDM pair.

2.5 HART/IP Interface, FDM R440 Integration

Honeywell FDM R440 supports native integration with OneWireless R220:

- FDM R440 supports native ISA100 Wireless device descriptor files.
- FDM R440 communicates with ISA100 Wireless field devices using the GCI interface.
- FDM R440 communicates with HART devices (connected using the OneWireless Adapter) using the new HART interface.
- The HART interface has been modified to support HART/IP. (HART MUX emulation from prior OneWireless releases is available for compatibility with earlier FDM releases and other asset management systems.)

3. Installation

3.1 Prerequisites

Supported browsers

The following diagram lists all supported browsers for accessing the OneWireless R220 user interface:

Operating system	Internet Explorer	Firefox	Chrome
Windows 8 {†1} {†2} Windows Server 2012 {†1} {†2}	Internet Explorer 10	Firefox 17 or later	Chrome 21 or later
Windows 7 SP1 {†2} Windows Vista Windows XP SP2, SP3 Windows Server 2008 R2 SP1 {†2} Windows Server 2008 SP2 Windows Server 2003	Internet Explorer 7 or later	Firefox 3.6 or later	Chrome 12 or later

{†1} Desktop mode only.

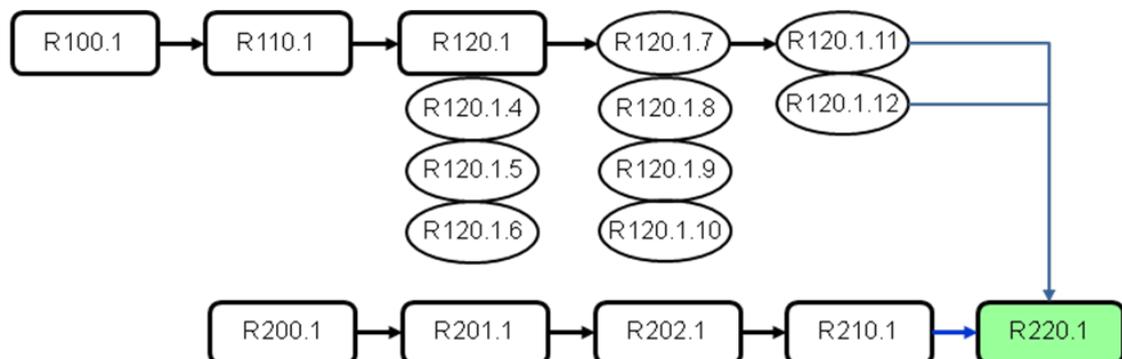
{†2} 64-bit mode support for Internet Explorer only.

Supported Silverlight plug-in versions

The following diagram lists the minimum supported version of the Silverlight plug-in required to access the OneWireless R220 user interface. If the Silverlight plug-in is not installed or needs to be upgraded, you will be prompted with instructions to install or upgrade the plug-in when attempting to connect to your WDM. The Windows Silverlight plug-in resides on the WDM.

Operating system	Silverlight version
Windows	5.1.20513.0

Supported migration paths for WDM



3. Installation

3.2. Migrating from OneWireless R120.1

The direct migration path from OneWireless R100.1 or R110.1 to R220 is not supported. You must migrate to R120.1 patch 11 or patch 12 first and then migrate to R220. Note that R120.1 patches must be installed on your OneWireless server and firmware must be updated on your multinodes and field devices before migrating to R220. Migration is not possible unless all required R120.1 patches are installed on your OneWireless R120.1 server.

The direct upgrade path from OneWireless R200.1 to R220 is not supported. You must upgrade to R201.1, R202.1, R210.1, and then to R220.

The following are the supported migration paths for the OneWireless Wireless Device Manager:

- OneWireless R100.1 to R110.1
- OneWireless R110.1 to R120.1 initial release
- OneWireless R120.1 initial release, patch 4, patch 5, patch 6 to R120.1 patch 7
- OneWireless R120.1 patch 7, patch 8, patch 9, patch 10 to R120.1 patch 11
- **OneWireless R120.1 patch 11, patch 12 to R220**
- OneWireless R200.1 to R201.1
- OneWireless R201.1 to R202.1
- OneWireless R202.1 to R210.1
- **OneWireless R210.1 to R220**

Supported migration paths for FDAP, Field Device

FDAP and Field Device firmware may be upgraded from any prior release of OneWireless R200.1 or later to R220. FDAP radio firmware, Field Device application firmware, and Field Device radio firmware does not need to be upgraded to the prior release before upgrading to R220.

The following are the supported migration paths for the OneWireless FDAP and Field Device firmware:

- **OneWireless R200.1 to R220**
- **OneWireless R201.1 to R220**
- **OneWireless R202.1 to R220**
- **OneWireless R210.1 to R220**

3.2 Migrating from OneWireless R120.1

Refer to the *OneWireless R220 Migration User's Guide* for instructions on how to migrate a OneWireless R120.1 system to OneWireless R220.



ATTENTION: OneWireless Network ID 1 is supported in R120.1 but is not supported in R220. Migration from R120.1 with Network ID 1 automatically reset Multinodes and field devices to defaults to allow the use of Over The Air Provisioning to re-establish security without having to physically re-key devices.



ATTENTION: The logic that drives the rightmost Multinode LED, either labeled “Field I/O” or “FIPS/Mode”, changes between R120.1 and R220.

- In R120.1, this LED indicates status depending on whether the Multinode is configured as a gateway or a multinode.
- In R220, this LED indicates status depending on whether the Multinode is configured in FIPS mode or Non-FIPS mode. Refer to the *Multinode User's Guide* for additional details.

3.3 Upgrading from OneWireless R210.1

Refer to the *OneWireless R220 Migration User's Guide* for instructions on how to migrate OneWireless R210.1 system to OneWireless R220.



ATTENTION: Do not power off or reset your Wireless Device Manager during the upgrade process.

Upgrading the Wireless Device Manager may take several minutes. A percentage complete will be displayed in the user interface. The Wireless Device Manager will display an upgrade complete message and reboot automatically once the upgrade is complete.

If you power off or reboot your Wireless Device Manager during the upgrade process, the Wireless Device Manager may fail to operate.



ATTENTION: You must close your web browser after upgrading to OneWireless R220. If your web browser is not closed after the upgrade completes, your browser may continue to display the OneWireless R210.1 user interface.

Under some circumstances, you may need to clear temporary or cached files from your web browser after upgrading.



ATTENTION: Upgrading the Wireless Device Manager to OneWireless R220.1 may result in changes to the wireless network topology. Honeywell has fixed several System Manager PARs and improved the System Manager algorithms used to determine communication paths within the ISA100.11a network. Therefore, the R220.1 System Manager will take into account ISA100.11a network deployment characteristics that were previously not used and may result in the selection of new ISA100.11a communication paths.

3.4 Upgrading OPC-UA Proxy

The OPC-UA Proxy is an optional component that allows classic OPC-DA clients to communicate with the OPC-UA interface on the WDM. This component may be installed on any Windows-based PC.

Note that the OPC-UA Proxy has been upgraded for OneWireless R220. If you are running an older version of the OPC-UA Proxy, you should upgrade to the latest version.

Follow the instructions below to install or upgrade OPC-UA Proxy on your Windows-based PC to OneWireless R220:

- **Install Microsoft .NET Framework 3.5 SP1 or later on your PC.**

3. Installation

3.4. Upgrading OPC-UA Proxy



ATTENTION: OPC-UA Proxies require .Net framework 3.5 SP1 or later on client machine, even if .Net Framework 4 is already loaded on client machine.

- **Download the OPC-UA Proxy installer from your WDM to your PC.**
Open Internet Explorer (or any other supported browser). Browse to your WDM and login. Click on the “Support Software” button in the OneWireless user interface toolbar. Select the OPC-UA Proxy installer from the drop down list and save to your PC.
- **Install the OPC-UA Proxy on your PC.**
Run the OPC-UA Proxy installer and follow the on screen instructions. Enter the IP address of your WDM when prompted.
- **The OPC-UA Proxy is now installed on your PC.**
You may use the OPC-UA Proxy when using any OPC-DA client. The proxy is exposed as an OPC-DA server named “OpcDa.OneWirelessGW.ComServer” on your PC.

4. Special Considerations

4.1 Multinode

PAR	Error Description, Recovery, and Workaround
1-LA947K	<p>Error Indication: A multinode may drop from the 802.11a/b/g mesh if the "Tx Rate" setting is 22 Mbps or greater.</p> <p>Description: A multinode may drop from the 802.11a/b/g mesh network when under heavy network load and the transmit rate limit setting ("Tx Rate") is set to 22 Mbps or greater.</p> <p>Recovery: The multinode will recover automatically as network load decreases.</p> <p>Workaround: Configure the multinode transmit rate limit setting below 22 Mbps. Honeywell recommends that this setting is configured to 12 Mbps.</p>
1-U2QPOJ	<p>Error Indication: Extended temperature MN (WNMS) resets to defaults after migration from OneWireless R120.</p> <p>Description: An extended temperature multinode may reset to defaults after migration from OneWireless R120 mesh firmware to OneWireless R2xx mesh firmware version 102.</p> <p>Recovery: Migrate the multinode to OneWireless R2xx mesh firmware version 76 and reboot the multinode before upgrading to OneWireless R2xx mesh firmware version 102. If the multinode has already reset to defaults, reconfigure the multinode. (Note that the IP address will reset to the default IP address of 192.168.254.254.)</p> <p>Workaround: None.</p>
1-U9IE1T	<p>Error Indication: Extended temperature MN (WNMS) defaults to FIPS mode after migration from OneWireless R120.</p> <p>Description: An extended temperature multinode may default to FIPS mode after migration from OneWireless R120 mesh firmware to OneWireless R2xx mesh firmware. Honeywell recommends that multinodes are configured in the non-FIPS mode after migration to OneWireless R2xx. When possible, configure and test your multinode before mounting and installing in the field.</p> <p>Recovery: Manually change the multinode to the non-FIPS mode after migration. After changing to non-FIPS mode, the multinode will restart to defaults and will need to be reconfigured. (Note that the IP address will reset to the default IP address of 192.168.254.254.)</p> <p>Workaround: None.</p> <p> Caution: Changing the FIPS mode configuration results in Multinode reboot to factory default state. (Note that the IP address will reset to the default IP address of 192.168.254.254.)</p>
1-NGUZ11	<p>Error Indication: Extended Temperature Multinode has Wireless Bridge > Radio > Channel No. selections for which the radio does not work.</p> <p>Description: The Extended Temperature Multinode (WNMS) with 4.4.0.00.76 firmware has unexpected channel number selections for 36 (5.18 GHz), 40 (5.2 GHz), 44 (5.22 GHz), and 48 (5.24GHz). These four channels are not covered by our certification for use in FCC regulatory domain and when selected the radio does not work.</p> <p>Recovery: Modify the Multinode configuration to not use any of these four channels.</p> <p>Workaround: Do not configure any of these four channels.</p>

4.2 CDA Interface

PAR	Error Description, Recovery, and Workaround
1-11H19WP	<p>Error Indication: An alarm or event appears in the Experion PKS alarm summary or event journal with a generic description, such as "Device Alarm 01."</p> <p>Description: Some WDM and field device alarms and events added for OneWireless R220 may appear with a generic description in the Experion PKS alarm summary or event journal. The following list contains all alarms and events that may appear with a generic description when integrating with an older release of Experion PKS R410.</p> <p>Wireless Device Manager:</p> <ul style="list-style-type: none"> • System Manager Event 08 – Node Join with Duplicate EUI64 Rejected • Platform Event 01 – NTP Frequency Error • Platform Event 02 – NTP Server Unreachable or Rejected • Platform Event 03 – WDM App Restart <p>Field Devices:</p> <ul style="list-style-type: none"> • Device Event 01 – Non-Redundant Communication <p>Note that this only applies to WDM and generic field device alarms and events. Field device vendor-defined alarm and event description strings (as defined in device descriptor files) will be imported into Experion PKS and displayed in the alarm summary or event journal.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

4.3 OPC Server

PAR	Error Description, Recovery, and Workaround
1-WOMVG4	<p>Error Indication: OPC-DA clients may display an error after WDM switchover for 2 or 3 seconds.</p> <p>Description: An OPC-DA client, connected to the WDM using the OPC-UA proxy, may display an error immediately following a WDM switchover (while the OPC-UA proxy reconnects to the new primary WDM). The duration of the error is typically 2 or 3 seconds.</p> <p>Recovery: The OPC-UA proxy will automatically reconnect and start publishing new values, typically within 2 or 3 seconds.</p> <p>Workaround: None.</p>

4.4 Redundancy

PAR	Error Description, Recovery, and Workaround
1-101FXAB	<p>Error Indication: Maximum WDM switchover time on a heavily loaded system may exceed 15 seconds.</p> <p>Description: The maximum WDM switchover time on a heavily loaded system may exceed 15 seconds. This issue has been reported on systems near maximum capacity of 100 field devices and 40 access points. Worst-case switchover time was typically below 20 seconds for heavily loaded systems.</p> <p>Recovery: None.</p> <p>Workaround: None.</p>

4.5 System Manager

PAR	Error Description, Recovery, and Workaround
1-R5RXTZ	<p>Error Indication: Devices configured with 1-sec publish period are demoted to 5-sec publish period.</p> <p>Description: In a highly dense field network with all the routers and access points close to their maximum capacity, either field device drop-off and re-join or a topology change may result in the system changing the publish period to 5 sec because the new communication parent does not have sufficient resources to handle the 1sec publish period.</p> <p>Recovery: Identify those field devices demoted to 5-sec publish period and manually change their publish period to 1-sec (from the user interface).</p> <p>Workaround: Additional routers may need to be deployed to increase ISA100.11a network communication resources.</p>
1-NKB1O6	<p>Error Indication: Alternate routes not assigned for single access point.</p> <p>Description: Redundant communication routes are only assigned if independent paths to two different access points are available. If at least two routes to two different access points are not available, a single, non-redundant communication route will be assigned. In the event that a single, non-redundant communication route is broken, a field device may disconnect from the ISA100 Wireless network.</p> <p>Recovery: A field device will automatically attempt to discover and rejoin the network after disconnecting. If an access point or router is discovered, the field device will automatically attempt to rejoin the network.</p> <p>Workaround: Make sure field devices have visibility to at least two access points in the ISA100 Wireless network.</p>

4. Special Considerations

4.6. User Interface

PAR	Error Description, Recovery, and Workaround
1-1282ZJ9	<p>Error Indication: "~1" suffix is appended to secondary WDM name after restore from backup.</p> <p>Description: After restoring WDM configuration from a backup file created on a secondary WDM, the device list has two entries for WDM: one with the old secondary EUI64 and another with the new secondary EUI64.</p> <p>This is reproducible on restore from never syncd, unsyncd and syncd secondary backup. This issue does not occur when restore results in role change. More specifically, this issue does not occur if restore from syncd secondary results in WDM rebooting into primary role or restore from syncd primary results in WDM rebooting into secondary role.</p> <p>Recovery: Delete WDM and reconfigure secondary role from FTCW.</p> <p>Workaround: Instead of restoring secondary WDM, reset WDM to defaults and re-configure as secondary.</p>

4.6 User Interface

PAR	Error Description, Recovery, and Workaround
1-10OC06X	<p>Error Indication: The user interface may not update after changing the channel configuration of a device when the channel is active.</p> <p>Description: An "error on page" indication may be displayed in the browser if a user attempts to reconfigure or delete a channel that is active (not out of service).</p> <p>Recovery: Restart the user interface by refreshing the browser.</p> <p>Workaround: None.</p>
1-11BZGCF	<p>Error Indication: WDM will only import a single device descriptor file from a ZIP archive.</p> <p>Description: If multiple device descriptor files are included in a ZIP archive, the WDM will only import the first discovered device descriptor file. For example, if device descriptor files for multiple device types or device revisions are included in a single ZIP archive, the WDM will not import all device descriptor files automatically.</p> <p>Recovery: None.</p> <p>Workaround: Split ZIP archives with multiple device descriptor files into multiple ZIP archives, each containing only one device descriptor file.</p>
1-11OQGY9	<p>Error Indication: Device calibration fails while WDM synchronization is in progress.</p> <p>Description: If WDM synchronization is enabled while device calibration is in progress, calibration may fail with a "bad sensor" error.</p> <p>Recovery: Allow WDM synchronization to complete and repeat device calibration.</p> <p>Workaround: Calibrate device after WDM synchronization is complete or do not enable WDM synchronization until device calibration is complete.</p>

PAR	Error Description, Recovery, and Workaround
1-YLXSFE	<p>Error Indication: An “error on page” indication is displayed in the browser after changing the channel configuration of a device.</p> <p>Description: An “error on page” indication may be displayed in the browser after changing the channel configuration of a device.</p> <p>Recovery: Restart the user interface by refreshing the browser.</p> <p>Workaround: None.</p>

5. Problems resolved in this release

This section lists the problems resolved with this release.

PAR	Brief description of the problem solved
1-JK4STY	JPEG file loaded to topology view is extremely blurry and distorted
1-MXGMW1	LOC/LOV observed for WDM when second WDM added to the network with duplicate IP address.
1-NSTC63	Communication lost between WDM HART Interface and FDM after several hours of monitoring.
1-PUVPZF	Properties panel alarm list takes 15 seconds to initialize when selecting location with many alarms.
1-QZYICV	Failure to read config change counter on HART 6 device when connected with OneWireless Adapter.
1-R2BLBM	Publications from gateway to field device should not include size byte in publication data.
1-R8T057	FRs rejoined as FDs after WDM was restarted.
1-RLTS0L	IE error observed when multiple clients connect to WDM, delete FDAP from network.
1-SLXZ1N	TxCCA backoff counter is incremented in present stack in TxFailed case.
1-T7WSI7	Properties panel freezes for 30+ seconds if user selects devices too quickly in selection panel.
1-TTEVRL	Network security key not found after one key rotation applied.
1-TUEDOC	Secondary Clock Parent not present for FDAP ROUTER.
1-TUS6F3	Restart of OPC service during weekend run, data lost for 12 hrs in OPC clients.
1-UKR7X9	Once an edge is blacklisted the FD doesn't take it as its parent, though the link becomes excellent.
1-UQ6O7N	Radio often ignoring OWA sensor publishes because of no room in the radio ASL queue.
1-URDYSJ	OneWireless UI does not display firmware upgrade progress for access points and field devices.
1-URE4XN	WDT reset observed on field device.
1-UTCXF1	Device did not join back after successful firmware upgrade.
1-VIS0GX	For Redundant Multinode topology, Field Devices dropped during parent switchover.
1-WIXQJN	AP Time-Sync connections only re-evaluated on improvement; needs RSQI consideration.
1-WKYWWB	Congestion in the field radio ASL queue causes dropped publish rate of 2% (non-OWA) to 5% (OWA).
1-WQXHEW	Modbus Server clears FDAP registers when FDAP changes to FDAP ROUTER.
1-YT6P9N	WDM showing no description in system alarm at the time of user login.

6. Revision information

6.1 Firmware revision of OneWireless components

Component	Firmware Revision
WDM	OW220.1-68.0
FDAP firmware	OW220.1-68.0
Field device radio firmware	OW220.1-68.0
Multinode mesh firmware	WNMX: 4.3.1.8M-00 Build 48 WNMS: 4.4.0.00 Build 102
Cisco Wireless LAN Controllers and Lightweight Access Points software release	7.5.1.4
Provisioning Device handheld	OW220.1-68.0

6.2 File revision of OneWireless installation package

09/30/2013 11:44 AM 230,896,982 OneWireless-OW220.1-68.0-i686-pkg.tar.gz

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