



# OTV 1.2 Release Notes

**On-Ramp Wireless Confidential and Proprietary.** This document is not to be used, disclosed, or distributed to anyone without express written consent from On-Ramp Wireless, Inc. The recipient of this document shall respect the security of this document and maintain the confidentiality of the information it contains. The master copy of this document is stored in electronic format, therefore any hard or soft copy used for distribution purposes must be considered as uncontrolled. Reference should be made to On-Ramp Wireless, Inc. to obtain the latest revision.

On-Ramp Wireless, Inc.  
10920 Via Frontera, Suite 200  
San Diego, CA 92127  
U.S.A.

Copyright © 2015 On-Ramp Wireless, Inc.  
All Rights Reserved.

The information disclosed in this document is proprietary to On-Ramp Wireless, Inc. and is not to be used or disclosed to unauthorized persons without the written consent of On-Ramp Wireless, Inc. The recipient of this document shall respect the security of this document and maintain the confidentiality of the information it contains. The master copy of this document is stored in electronic format, therefore any hard or soft copy used for distribution purposes must be considered as uncontrolled. Reference should be made to On-Ramp Wireless, Inc. to obtain the latest version. By accepting this material the recipient agrees that this material and the information contained therein is to be held in confidence and in trust and will not be used, copied, reproduced in whole or in part, nor its contents revealed in any manner to others without the express written permission of On-Ramp Wireless, Inc.

On-Ramp Wireless, Inc. reserves the right to make changes to the product(s) or information contained herein without notice. No liability is assumed for any damages arising directly or indirectly by their use or application. The information provided in this document is provided on an “as is” basis.

This document contains On-Ramp Wireless, Inc. proprietary information and must be shredded when discarded.

This documentation and the software described in it are copyrighted with all rights reserved. This documentation and the software may not be copied, except as otherwise provided in your software license or as expressly permitted in writing by On-Ramp Wireless, Inc.

Any sample code herein is provided for your convenience and has not been tested or designed to work on any particular system configuration. It is provided “AS IS” and your use of this sample code, whether as provided or with any modification, is at your own risk. On-Ramp Wireless, Inc. undertakes no liability or responsibility with respect to the sample code, and disclaims all warranties, express and implied, including without limitation warranties on merchantability, fitness for a specified purpose, and infringement. On-Ramp Wireless, Inc. reserves all rights in the sample code, and permits use of this sample code only for educational and reference purposes.

This technology and technical data may be subject to U.S. and international export, re-export or transfer (“export”) laws. Diversion contrary to U.S. and international law is strictly prohibited.

RPMA® (Random Phase Multiple Access) is a registered trademark of On-Ramp Wireless, Inc.

Other product and brand names may be trademarks or registered trademarks of their respective owners.

OTV 1.2 Release Notes

009-0073-00 Rev. A

November 5, 2015

# Contents

---

<b>1 Release Information.....</b>	<b>1</b>
<b>2 New Features and Enhancements.....</b>	<b>1</b>
2.1 General OTV .....	1
2.1.1 New Notification Management Page .....	1
2.1.2 New Group Management Section in OTV UI .....	1
2.1.3 Multicast Group Management Added to OTV User Interface.....	1
2.1.4 Improved Time Zone Support in OTV User Interface.....	1
2.1.5 Advanced Search in OTV User Interface .....	1
2.1.6 Removal of Error Redelivery Queue in HES .....	2
2.1.7 Change in Customer Configuration in hes_config.properties.....	2
2.2 AMI (All Versions) .....	2
2.2.1 New Email Notifications for Meter Events .....	2
2.2.2 Data Order Configuration Moved to New File .....	2
2.2.3 Ability to Group Data Orders by Name .....	2
2.2.4 Default Data Order Configuration is Different in HES .....	2
2.2.5 Change in Meter Switch States .....	3
2.2.6 Removal of Duplicate Meter Read Check .....	3
2.2.7 XML Marriage File Format Change .....	3
2.2.8 Ustream State Moved From File System Cache to Database .....	3
2.3 AMI 1.2.....	3
2.4 Tabular Summary of OTV Features and Enhancements.....	4
<b>3 Fixed Issues .....</b>	<b>8</b>
<b>4 Known Issues.....</b>	<b>12</b>
4.1 Known Issues with Assigned CR Numbers .....	12
4.2 Known Issues without Assigned CR Numbers .....	13

# Revision History

---

Revision	Release Date	Change Description
A	September 17, 2015	OTV software version 1.2

# 1 Release Information

---

This document describes new features, enhancements, fixes and outstanding issues for On-Ramp Total View (OTV) software release 1.2.

**Table 1. Compatibility Matrix**

Subsystem	Minimum Rev	Other Tested Revisions
CCS	2.1.3.20	2.1.4.15
AMI Firmware	1.0	1.1 and 1.2
MeterMate	5.5	6.4

## 2 New Features and Enhancements

---

This chapter describes major features and enhancements for OTV software release 1.2 as well as the complete list provided in tabular form.

### 2.1 General OTV

#### 2.1.1 New Notification Management Page

- Email notification management now has a new, more intuitive user interface.
- Emails continue to be generated for all device types based on OTV alarms.
- In addition to alarms, email notification on AMI meter events is now possible.
- All previous notification groups will be migrated on upgrade.

#### 2.1.2 New Group Management Section in OTV UI

- Group management has been moved to a new tab.
- All functionality remains: creating/deleting groups, adding/removing devices, sending messages

#### 2.1.3 Multicast Group Management Added to OTV User Interface

- OTV users can now create, update, and delete multicast groups within the OTV group management user interface.
- Multicast downlink messages can also be sent to these groups once devices are assigned.

#### 2.1.4 Improved Time Zone Support in OTV User Interface

- OTV now supports the full Olson time zone database, instead of a limited, fixed list of time zones and offsets.
- Time zones may be selected per user profile and for scheduled tasks.
- US time zones will be migrated on upgrade.
- GMT offsets specified in previous OTV versions cannot be migrated on upgrade.

#### 2.1.5 Advanced Search in OTV User Interface

- New searching capabilities have been added.
- OTV users can now search on individual device metadata attributes or a combination of attributes.
- Both “AND” and “OR” clauses are supported.
- A new “Advanced Search” link on the Devices tab provides access to this new functionality.

### 2.1.6 Removal of Error Redelivery Queue in HES

- This feature only affects message processing within HES as there was no benefit for reprocessing these messages.
- This feature does not affect external integrations (IEC CIM HTTP or Multispeak).

### 2.1.7 Change in Customer Configuration in hes\_config.properties

- Customer name is now defined in one place in the config file as amqp.customer.

## 2.2 AMI (All Versions)

### 2.2.1 New Email Notifications for Meter Events

- Email notifications can now be sent upon receipt of meter events.
- One or more meter events can be selected for each notification group.

### 2.2.2 Data Order Configuration Moved to New File

- Data order configuration has moved from hes\_config.properties to data\_orders.properties.
- Format of data order configuration syntax now supports multiple billing data orders and multiple load profile sets.
- Upgrades: data orders for primary billing and primary load profile will need to be modified to specify the index.

### 2.2.3 Ability to Group Data Orders by Name

- Meters can be assigned a data order configuration that is different from the default or meter type specific configuration
- A new data order configuration set must be specified in the data\_orders.properties file
- The device “Data Reporting Configuration Name” on the Properties page of the device must be specified with the same name
- Data orders are not automatically sent once a new configuration is saved to the properties file or when the device “Data Reporting Configuration Name” is changed.
- An operator must manually send a “Request Meter Data Reporting Configuration Set” downlink message for a single device or group of devices in order to change the data order configuration on the eMCM.

### 2.2.4 Default Data Order Configuration is Different in HES

- In general, HES will not automatically send a data order configuration if it is not specified in the data\_orders.properties file.

### 2.2.5 Change in Meter Switch States

- Switch states have been renamed from Open/Closed to Connected/Disconnected
- Closed = Connected
- Open = Disconnected

### 2.2.6 Removal of Duplicate Meter Read Check

- Previous versions of OTV checked for duplicate meter readings in the OTV database. If there were readings already in the database with the same timestamp and CIM code, then the same reading would not be saved again.
- OTV 1.2 now saves all readings with no checks on duplicate data.

### 2.2.7 XML Marriage File Format Change

- MeterEntry attribute has been renamed to MeterMarriageEntry.

### 2.2.8 Ustream State Moved From File System Cache to Database

- For upgrades, the file system cache will be migrated to the OTV database UstreamObject table.
- Ustream state will no longer be saved to the file system cache.

## 2.3 AMI 1.2

The following is a list of AMI 1.2 features and enhancements. For details, refer to the AMI 1.2 release notes.

- New Data Order Configuration Field Support
  - Billing Order 2
  - Multiple Load Profile sets
  - Meter Event Ind Polling Period
  - Time Configuration
  - Meter Flags Ignore Mask
- Meter Program Update
- Limited On-demand Billing Reads
- On-demand Load Profile
- Season Change
- RTP
- Disable Override
- Arm to Connect



## 2.4 Tabular Summary of OTV Features and Enhancements

The following table provides OTV features and enhancements listed by the CR # with the change request summary, the OTV release, the type, and the feature group.

CR #	Summary	OTV Version	Category
5501	OTV Group Configuration	1.2.5.2	OTV-Device Groups
5594	Create 'customer' variable for AMQP exchange/queue/bindings settings	1.2.2	AMI-System management via OTV/HES
5960	OTV node id search enhancement	1.2.5.2	OTV-Core
6293	Backend-triggered season change (cloned)	1.2.4	AMI-Meter Reads
6298	On Demand Billing Data Read of limited set of UOMs	1.2.3	AMI-Meter Reads
6300	On Demand Load Profile Read	1.2.3	AMI-Meter Reads
6525	OTV Should be User Configurable for Generating Events and Notifications	1.2.4	AMI-Flags & Events
6584	MTP should plumb through all APIs between Ustream and the diagnostic port	1.2.3	AMI-Diag and test
6701	Send Data Orders from HES to AMI device	1.2.1	AMI-Scheduled Metrology Reads
6707	Clean up SetDataOrdersReq DataSchedules	--	AMI-Scheduled Metrology Reads
6735	We need a way to delete single meter(node) history information(including Ustream) from HES cache	1.2.3	AMI-Diag and test
6738	We should have a way to reset eMCM from backend even when authorization process is not completed	1.2.2	AMI-Backend Meter Control
6946	MUD Group formation on OTV 1.1	1.2.3	OTV-Core
7035	Need an OTV interface to change EMCM configuration parameters	1.2.2	AMI-OTV/UI
7121	When installing the MultiSpeak adapter the install should show you what port MultiSpeak is going to use	1.2.4	Standalone Install and Config
7132	'Device Type' selection on OTV keeps going back to default	1.2.x	OTV-Core
7187	Provide support for arm to connect (cloned) (cloned)	1.2.1	AMI-Relay Operations
7228	Advanced C12.19 read/write interface for meter configuration upgrade and generic reads (cloned)	1.2.2	AMI-Device Operations
7241	Request Meter Switch State support for 'auxiliary relays'	1.2.x	AMI-Backend Meter Control
7286	Make manually created Device Type names configurable via OTV	1.2.2	AMI-System management via OTV/HES
7307	Refresh button requested for the Group Messages page	1.2.x	OTV-Device Groups
7402	Combine METER_FLAG_IND and RELAY_STATE_IND (cloned)	1.2.1	AMI-Flags and Events
7403	MUD Group formation on OTV 1.2	1.2.4	AMI-System management via OTV/HES
7449	Updating numRelays field in MeterConfigReportRsp (cloned)	1.2.4	AMI-Backend Meter Control

CR #	Summary	OTV Version	Category
7463	EMCM enabled demand reset enhancements	1.2.4.1	AMI-System management via OTV/HES
7472	Moving flag/relay state polling period and filtering to data order (cloned)	1.2.3	AMI-Flags and Events
7479	EMCM Data Scheduling Configuration	1.2.1	AMI-System management via OTV/HES
7480	Notification Group Configuration Revamp and Event Notificaiton	1.2.1	AMI-System management via OTV/HES
7497	Addition of cumulative demand to BillingDataInd (cloned)	1.2.3	AMI-Scheduled Metrology Reads
7503	Missing StandardMeterSpecificInfo in Device Diagnostic page	1.2.4	AMI-System management via OTV/HES
7505	Addition of ManufacturerMeterSpecificInfo to EndDeviceInfoRsp (cloned)	1.2.4	AMI-System management via OTV/HES
7559	Limit MUD group creation to only supported device types	1.2.3	AMI-System management via OTV/HES
7560	Refactoring of EMCM configuration xml and SetDataOrdersReq	1.2.2	AMI-System management via OTV/HES
7566	Save previous dataOrder to properly accept time-delayed data	1.2.5.2	AMI-Scheduled Metrology Reads
7573	OTV Group Creation With Text File Should Handle Common Delimeter Chars	1.2.4	AMI-System management via OTV/HES
7577	Add 'Refresh' Button to OTV 1.1 Sent "Group Message Detail" Page	1.2.3	AMI-System management via OTV/HES
7578	Load Profile Quality Reads and Optimizations (cloned)	1.2.5	AMI-Scheduled Metrology Reads
7598	Add time zone and DST override configuration options (cloned)	1.2.3	AMI-Time Support
7599	Add currentSeason field in BillingDataInd (cloned)	1.2.3	AMI-Scheduled Metrology Reads
7615	Flush on Ustream	1.2.3	AMI-MUD and USP
7624	HES C1219Req (aka Meter Program Update) multicast support	1.2.4	AMI-Meter Program Update and reads
7627	HES should restart the boot process for a completely unknown eMCM after bootInd is received with hash authorized	1.2.3	AMI-Device Boot
7632	Include a short summary for Group Sent Messages Status	1.2.3	AMI-System management via OTV/HES
7635	Ustream MUD related enhancements to deal with concurrent messages (cloned)	1.2.3	AMI-MUD and USP
7646	Generating a response to Request Meter Data Reporting Configuration set.	1.2.3	AMI-System management via OTV/HES
7655	RSSI bars in OTV	1.2.4	AMI-System management via OTV/HES
7659	MUD priority scheduling algorithm in HES	1.2.3	AMI-MUD and USP
7689	Support of 4 LP profile sets (cloned)	1.2.3	AMI-System management via OTV/HES

CR #	Summary	OTV Version	Category
7703	SetDataOrders - add ability to send specific named data order configurations from HES to meters	1.2.3	AMI-System management via OTV/HES
7735	Unused DL stream bit map on Ustream sync on UL (cloned)	1.2.3.1	AMI-MUD and USP
7748	Ustream should clean up its own groups	1.2.3.1	AMI-MUD and USP
7751	increase MUD queue size from 2 to 4	1.2.3.1	AMI-MUD and USP
7795	Changes to default data orders behavior in HES	1.2.4	AMI-System management via OTV/HES
7799	Robustness: Increase orderId space to be entire 32-bit	1.2.5	AMI-Scheduled Metrology Reads
7836	Current GUS/USP does not support Active-Active GW scenario (cloned)	1.2.4	AMI-System Performance
7837	Displaying the result code in OTV	1.2.4	AMI-System management via OTV/HES
7844	HES : Requesting to change the poll timer from 6 hours to 2 hours	1.2.4	AMI-MUD and USP
7873	Move data order properties file configuration to separate file	1.2.4	AMI-System management via OTV/HES
7887	Size of setDataOrdersReq will soon hit the max encode size of 256 (cloned)	1.2.4	AMI-System management via OTV/HES
7888	Differentiating AMI 1.2 from AMI 1.1 (cloned)	1.2.4	AMI-System management via OTV/HES
7893	Device Info Import: Allow updating of operational state without other attributes (cloned)	1.2.4	AMI-System management via OTV/HES
7897	Ustream SQL DB definition needs to be added to OTV database	1.2.4	AMI-MUD and USP
7906	Accounting for hot swapping (cloned)	1.2.5	AMI-System management via OTV/HES
7921	Add MTP upgrade script to convert MapDB to SqlDb	1.2.5	AMI-Deployment scenarios
7933	Add Request Meter Info for AMI 1.1/1.2	1.2.5	AMI-Backend Meter Control
7937	Add UOM->CIM support for Main, Load, Main+Load quantities supported by SGM302x meters	1.2.6.2	AMI-Scheduled Metrology Reads
7945	Ability to remove APs from OTV google map feature	1.2.5	OTV-Core
8029	Change device status in OTV to Connected/Disconnected	1.2.5	AMI-Backend Meter Control
8082	eMCM: Provide unified, error-free way to cancel scheduled events (cloned)	1.2.5	AMI-Backend Meter Control
8083	PolyphaseQuantities sometimes have 'element' instead of phase (cloned)	1.2.5.2	AMI-Power Quality Support
8141	Report CPP/RTP state of the meter. (cloned)	1.2.5	AMI-Flags and Events
8189	There should be a way to send RTP change DL message without selecting an end time	1.2.5	AMI-Backend Meter Control
8190	Fetching interval data for exact 240mins throws an application error	1.2.5	AMI-OTV/HES Interfaces
8207	Flush during Meter Program Update should clear c1219state	1.2.6.1	AMI-Meter Program Update and reads

CR #	Summary	OTV Version	Category
8214	Ability to set mudCycle used by a resumable stream as a configuration parameter	1.2.6	AMI-MUD and USP
8229	Advanced Search Feature	1.2.5	OTV-Core
8260	Removed creating groups form Devices Tab	1.2.5	OTV-Core
8268	Generate CIM event when eMCM is de-authorized	1.2.5.2	AMI-OTV/HES Interfaces
8269	File Export of Demand Reset Results	1.2.5.2	AMI-OTV/HES Interfaces
8314	Enhancement request to make the default time for Interval Data reading requests 239 minutes.	1.2.5.2	AMI-Backend Meter Control
8330	Need to clean up HES configuration after upgrading from OTV 1.1 to 1.2	1.2.5.2	AMI-OTV/HES Interfaces
8332	Enhancement request to change the name of the AMI 1.0 downlink to "Request Latest Billing Data Readings" for more consistency.	1.2.5.2	AMI-Backend Meter Control
8334	Request to change the AMI 1.0 title for "Request Interval Data From Meter" downlink to same title as AMI 1.2 version	1.2.5.2	AMI-Backend Meter Control
8336	Enhancement request to add selected start and end date in Sent Messages tab for demand reset request	1.2.5.2	AMI-Backend Meter Control
8408	Cleanup of meter ID and serial number attributes	1.2.5.2	AMI-System management via OTV/HES
8413	MPU: Full table read support for HES	1.2.6	AMI-Meter Program Update and reads
8417	Add Product Version handling for Device Groups	1.2.6	AMI-OTV/HES Interfaces
8429	Erase data on external flash in case of hard reset (cloned)	1.2.6	AMI-Device Boot
8454	Method and response change to MTP set_feedback_uri_req	1.2.6	AMI-Diag and test
8462	Need "Invalid Date Range" pop up message for demand reset downlink request	1.2.6	AMI-System management via OTV/HES
8475	OTV should send a HandleErrorReq to eMCM in case of a mismatched serial number and node ID	1.2.6	AMI-Deployment scenarios
8511	Need of "Invalid Date Range" pop up message for group message detail export	1.2.6	OTV-Core
8545	HES ami adapter performance optimizations	1.2.6	AMI-System Performance
8548	1.2 meters first appear as 1.0 on OTV upon marriage, then 1.1, and finally 1.2	1.2.6	AMI-OTV/HES Interfaces
8618	Enhancing the usability of "Advanced Search" on OTV - initial enhancement step 1 (cloned)	1.2.6.1	OTV-Advanced Search Feature
8668	Remove meter reading deduping from HES	1.2.6.2	AMI-System Performance
8837	Option to turn off Ustream database locking	1.2.6.5	U-Stream Protocol (MTP)

## 3 Fixed Issues

CR#	Summary	OTV Version	Category
5270	Remove "Default Device View" from options when creating new user	1.2.6.3	OTV-General GUI
5280	Cannot view entire screen when OTV window is resized	1.2.6.3	OTV-General GUI
5721	OTV-RMU device detail histogram not displaying enough x values	1.2.6.3	OTV-RMU
5939	bus log seems to roll over when we upgrade OTV/HES	1.2.5	AMI-Diag and test
5976	OTV: Acknowledged icon is causing "Active Alarms" and "Alarms" table to be pushed over permitted area	1.2.6.3	AMI-System management via OTV/HES
6238	OTV Device Listing Export should include "HES/MDMS Meter ID"	1.2.6.3	AMI-System management via OTV/HES
6244	In the absence of any load profile data OTV draws a fictitious interval data chart	1.2.3	AMI-OTV/UI
6270	OTV SQL upgrade errors when updating AppSchemaVersion	1.2.5.2	OTV-Core
6879	Move EndDeviceInfoReq to MTP stream 3	1.2.3	AMI-MUD and USP
7084	Limits on load profile data backlog (cloned)	1.2.3	OTV-Core
7232	Incorrect Response Message for response of PowerqualityReq on i210+meter	1.2.3	OTV-Core
7247	Duplicate bulk readings on OTV for AMI 1.0 meter	1.2.2	AMI-Scheduled Metrology Reads
7264	IEC CIM adapter sending multiple replies when DL queue is full	1.2.3	AMI-OTV/HES Interfaces
7277	HES in OTV 1.0.9 Generates Meter Reading CIM Code for Relay State	1.2.5	AMI-Backend Meter Control
7291	Incorrect Corrid mapping if downlink queue is full results in dropped downlink request	1.2.1	AMI-Backend Meter Control
7300	Missing DL feedback response that stalls the UL Data	1.2.4	AMI-MUD and USP
7306	Downlink Request for a group displays incorrect pop up Message	1.2.1	AMI-OTV/UI
7309	Search for a specific operational state does not work in Alarms page	1.2.3	OTV-Core
7310	Hex messages in 'Group Message Detail' page	1.2.5.1	AMI-Backend Meter Control
7311	User redirected to 'Group Messages' for some of the group DL requests	1.2.2	AMI-OTV/UI
7312	Inconsistency in the Status messages under Group Messages tab	1.2.2	AMI-OTV/UI
7326	Raw adapter device SDU's are not being displayed on OTV if only AMI adapter is installed	1.2.2	OTV-Core
7333	HES error channel enqueues hex AMI payload but de-queue expects xml	1.2.2	AMI-System management via OTV/HES
7343	HES did not deliver DL SDU feedback to Ustream	1.2.4	AMI-MUD and USP

CR#	Summary	OTV Version	Category
7344	HES does not correctly poll GW for DL SDU status	1.2.2	AMI-System management via OTV/HES
7357	Inconsistency in the Alert Message on adding different app types to a group	1.2.3	AMI-System management via OTV/HES
7359	Total item count does not consider Blank space/special symbols	1.2.3	AMI-System management via OTV/HES
7360	Duplicate Email Notifications sent	1.2.2	AMI-System management via OTV/HES
7369	Redundant events seen on group creation/deletion/modification	1.2.1	AMI-System management via OTV/HES
7370	No space between the group and the group name	1.2.2	AMI-System management via OTV/HES
7371	No error message on adding an existing device to the same group	1.2.1	AMI-System management via OTV/HES
7382	MeterCommError during BillingDataInd can lead to spurious flushOutstandingMeterData	1.2.2	AMI-Scheduled Metrology Reads
7389	Wrong text in the Email Notification	1.2.3	AMI-System management via OTV/HES
7395	Add Full Support for Time Zones in OTV	1.2.2	AMI-System management via OTV/HES
7406	Incomplete alarm details for Meter Info Change alarm	1.2.6.3	AMI-System management via OTV/HES
7417	CIM code look up for non-default flags for SGM3000 AMI1.1 will not work	1.2.3	AMI-OTV/HES Interfaces
7419	Meter event clear request intermittently lacks ACK, response message is SUCCESS	1.2.2	AMI-System management via OTV/HES
7420	Ustream does not resume resumable MUD messages	1.2.1	AMI-MUD and USP
7421	Ustream should not accept messages to nobody	1.2.1	AMI-MUD and USP
7434	Bad Meter Info events may overwrite existing valid values	1.2.3	AMI-Device Boot
7467	HES/OTV Does Not Generate METER_INFO_CHANGED Alarm	1.2.6	AMI-Flags and Events
7487	'Last Activity' Timestamps not matching in OTV	1.2.3	AMI-System management via OTV/HES
7490	Typos appearing in OTV Audit Report	1.2.2	AMI-System management via OTV/HES
7491	Not all events appear in Extract options on OTV	1.2.2	AMI-System management via OTV/HES
7492	Not all device identifiers available for group formation	1.2.2	AMI-System management via OTV/HES
7501	OTV: Concurrent Access Alert Seems to Lock up OTV interface	1.2.4	AMI-System management via OTV/HES
7529	Incorrect Serial Number in the Device Listing exported file	1.2.4	AMI-System management via OTV/HES
7562	OTV+WSO-11: Sorting Messages by "Created" causes error	1.2.2	OTV-FCI
7596	OTV REST XSD: xmlListWrapper xsi:any element has overly restricted namespace attribute	1.2.2	AMI-OTV/HES Interfaces

CR#	Summary	OTV Version	Category
7671	CMEP scheduled tasks do not currently support the proper handling of the Hawaiian time zone	1.2.6.1	AMI-OTV/HES Interfaces
7737	OTV upgrade issues	1.2.5	AMI-Deployment scenarios
7778	Some Response Messages for Group Commands are Displayed as Hex in OTV	1.2.5	AMI-Backend Meter Control
7813	OTV Device Listing Export to CSV does not always include Meter Serial Number	1.2.5.2	AMI-OTV/HES Interfaces
7827	Duplicate hes_config.properties parameters during OTV upgrade 1.0.9 to OTV 1.1.12.1	1.2.4	AMI-Deployment scenarios
7828	multispeak installer updates for billing export parameters	1.2.4	AMI-OTV/HES Interfaces
7832	HES-AMI installer prompt for local file / https needs to be removed for upgrades	1.2.4	OTV/HES Install/Upgrade
7853	Oracle SQL upgrade script errors	1.2.4	AMI-Diag and test
7857	Refresh link on Alarms tab does not work	1.2.4	AMI-System management via OTV/HES
7866	Meters in the Out of Service state should not appear under the Alarms tab	1.2.5	AMI-Deployment scenarios
7880	Can't search on AMI firmware version in Meters tab	1.2.4	AMI-System management via OTV/HES
7894	DNP3 uConnect: Analog Output Writes (float values) Crash the HES	1.2.4.1	AMI-System Performance
7902	Temperature Caution CIM code modification	1.2.4	AMI-System management via OTV/HES
7903	Device listing export, appears to be concatenating the headers with meta data for the first device in the export	1.2.4.1	AMI-System management via OTV/HES
7961	Fix temperature values for AMI 1.1 meters (cloned)	1.2.5	AMI-Scheduled Metrology Reads
8003	Sag and swell meter flags in I210+: don't set these two flags in the HES cache (cloned)	1.2.4.1	AMI-Flags and Events
8058	Extract options window display gets messy if you toggle between Readings/Event and CMEP/TWAC export types	1.2.5	AMI-OTV/HES Interfaces
8206	Updated Description field information for A250 photocells is not showing up on Devices page	1.2.5	OTV-Core
8261	OTV : Grid Automation tab displays all devices until refreshed	1.2.5.1	OTV-Core
8270	RAW device 'Properties' page does not update after clicking 'Save' after changes are made	1.2.5.2	OTV-Core
8331	Google Map view displays meters where State = Switch State:N/A with a green dot.	1.2.6.2	OTV-General GUI
8401	Google maps feature web error pop up window occurrence	1.2.6.1	OTV-General GUI
8407	Group message detail view should show more than just 10 entries	1.2.5.2	OTV-Device Groups
8430	CEPM: optimize database query in HES ami adapter	1.2.5.2	AMI-System Performance
8442	HES parser not showing Uplink data	1.2.5.3	AMI-OTV/HES Interfaces
8474	OTV upgrade support - wiyz sql file fails due to version lookup	1.2.6	OTV/HES Install/Upgrade

CR#	Summary	OTV Version	Category
8564	hes bus log prompts a benign ERROR in bus log	1.2.6.1	OTV/HES Install/Upgrade
8648	OTV: TWACs export contains randomly selected duplicate serials IDs	1.2.6.2	OTV-File Import/Export
8665	OTV 1.1.12.4 meter event export feature missing 'Service Error' event from list	1.2.6.2	AMI-OTV/HES Interfaces



## 4 Known Issues

### 4.1 Known Issues with Assigned CR Numbers

CR#	Summary	Category
6263	WiYZ device type not showing up for 'guest' user without first enabling the parent device type for that user	OTV GE WiYZ
7412	Siti-2 hes.sysout.log error	OTV-CORE
7601	Data in export of Alarms is not respecting the filter constraints specified on the UI	OTV-File Import/Export
7621	OTV handles and displays Meter Switch State Info differently depending on uplink message type	AMI-Backend Meter Control
7639	HES memory allocation configuration check up	AMI-System Performance
7792	Scheduled CMEP Task: "Reading window for next execution date" displays incorrectly, but exported file data is correct	AMI-OTV/HES Interfaces
7805	Trying to configure WiYZ profiles and saving results in "Null" response	OTV-Admin Actions
7889	WiYZ Sensor Profile window does not show all sensors on Chrome browser	OTV GE WiYZ
7967	CEPM: HES process not able to connect properly to AMQP	OTV-CORE
8111	Scheduled Tasks getting deleted in some cases	AMI-System management via OTV/HES
8456	SetDataOrderReq downlink is sent every time data from the old order Id is processed in the uplink	AMI-Backend Meter Control
8490	FCI Underground shouldn't be an option for model type under the properties for a TIQ-P	OTV-TIQ
8761	MUD MPU: OTV displayed incorrect status for the meter, which was completed MUD MPU successful	AMI-MUD and USP
8764	RMU Alarm export file has incorrect descriptions when alarm type is related to GPIO bit set conditions	OTV RMU
8778	Further checks may be needed for marriage file imports: node changes (marriage/divorce) still occur after a failed import	AMI-OTV/HES Interfaces
8785	Meters in Maintenance filter in OTV smaller than in OTV csv export	OTV-General UI
8791	Improper Failure Condition level in the alarm and device listing exported files	OTV-File Import/Export
8835	HES-PET run on Appliance, Exception in Ustream, Transaction not Active	AMI-System Performance
8848	LockTimeException: could not extract ResultSet observed on SITI 3 HES	
8861	HES is not comparing a new meter info message correctly for 1.0 meters	OTV-Notifications
8870	Device listing and CMEP exported files show General Info from previous EMCM versions	OTV-File Import/Export
8873	HES ClassLoader is not threadsafe	OTV-CORE
8907	Events with timestamp offset appear in Notifications as occurring at the "Message Received" time	OTV-8301A
8908	OTV is not using timestamp milliseconds consistently	OTV-8301A
8909	Devices in a cleared state remain on the All Alarms page indefinitely	OTV-8301A
8910	Grid Automation export not working	OTV-File Import/Export
8911	Device summary alarm icon does not display correct alarm state	OTV GE WiYZ

CR#	Summary	Category
8920	Two blank messages appear when GE WiYZ deployment packet is received	OTV GE WiYZ
8923	Error during communicating with the web server after a downlink is sent to a GE WiYZ device	OTV GE WiYZ

## 4.2 Known Issues without Assigned CR Numbers

The following list describes known issues for which there is currently no ticket/change request (CR) filed. These known issues will be assigned a CR number and tracked for fixing in future OTV software releases.

	Known Issues
1	Notification Groups that exist before upgrading will seamlessly carry over after upgrade to OTV 1.2. However, making modifications to the Group after the upgrade will require the user to add a "Group Name" to the group before any modifications will be saved. If no group name is added, the UI will prompt the User with a pop up message, indicating that a group name must be chosen before the "Save" action is permitted.
2	GMT time zone offsets specified in previous OTV versions cannot be migrated on upgrade to OTV 1.2
3	Data orders were moved from the hes_config.properties file to the data_orders.properties file. However, the old data orders will remain in the hes_config.properties file. They will not be used for any reason.
4	Removal of duplicate meter read check. Release notes specify that all readings are saved with no checks on duplicate data. To clarify, CMEP MepMd01 exports do check for duplicates so billing exports are not affected by this.
5	Scheduled CMEP Task "Reading window for next execution date" displays the wrong next execution date. Customer may select a specific date range on the calendar, and then when the date range is submitted, it displays wrong on the UI. If left as is, the exported file will actually contain the correct date range-just as the user specified, even if the displayed date is incorrect.
6	Device summary alarm icon color may not update to the latest severity in the case of subsequent alarms. For example, if first alarm received is Major, the icon will be orange. But if another alarm occurs that is Critical, the alarm icon does not update to Red. It may remain orange. The text display of current alarms is correct, however.
7	WiYZ Issues: <ul style="list-style-type: none"> <li>■ Web server communication failures intermittently occurring</li> <li>■ Not all Sensor Profiles display correctly on Chrome browser</li> <li>■ Blank messages show up in the UI after deployment is received from a device.</li> <li>■ The ability to configure new profiles or update existing profiles is not functional.</li> <li>■ Nullpointer exceptions have been captured in the OTV web log when alarm processing occurs.</li> <li>■ Custom device profiles do not display in device type options when configuring alarms</li> </ul>
8	Incorrect Failure condition levels appear in the Alarm and Device List exported files
9	HES does not compare Meter Info message correctly for AMI 1.0 meters, meaning a Meter Info Change event will occur each time a MeterInfoInd message is received.
10	The Grid Automation Device Listing export does not work.
11	Customers with a partitioned database for ElectricAMIReadingsSdu table, will experience very slow loadings of the readings selection pop up window for Readings exports.
12	User configured time zone will not persist in Alarms export, in some cases. Cause is not yet known.
13	Status for MUD MPU unicast flush may appear as "SDU was dropped", when the sdu was not actually dropped.
14	Request to Clear All Meter Flags Response may appear as Unsuccessful in cases where the actual Response from the meter was Meter Unsupported. Applies to I210+ meters.
15	CIM codes for Interval Data on 20 or 60 minute intervals are not reported correctly in CMEP MepMd01 billing exports. The interval appears as "0".

	Known Issues
16	Meta data does not become searchable via OTV if the user imports the meta data via XML file, until AFTER the device sends an uplink or a user hits "Save" on the properties page.
17	OTV allows the import of meter marriage files which contain duplicate CustomerMeterNumbers. If duplicates are imported, HES will reject uplinks from the duplicated nodes. Fixing this requires that the nodes be deleted from the HES cache and re-married.
18	Modifying the token for the EMCM Diag port to anything other than "changeme" will break the functionality of marriage file imports on OTV. The token is located in the hes_config.properties file. <emcm-transformer.rest.auth_token=changeme>
19	If a billing data filter is set in the data orders, but no value exists for reportingPeriodSeconds AND loadProfileMaxIntTime does not equal zero, HES will assign a default reportingPeriodSeconds of 15 minutes (900 seconds)
22	Alarms exports (via the "View All" Alarms tab on Device Detail page) do not respect filter constraints specified on the UI.
23	DNP3 profiles do not accommodate the WSO-11 v2b. The user must copy the default profile and make modifications to the device versions.
24	Node changes will still occur if marriage import fails for reasons other than initial Node Validity checks.
25	Device Listing export from All Devices page does not respect the filter constraints specified by the User on the UI.
26	If duplicate email addresses are added to a Notification group, a Failure message will display on the UI, and changes will not be permitted to be Saved. The failure message does not indicate the reason for the failure.
27	If a User sends a "Request Load Profile Data from Meter" downlink to an I210+ or KV2C meter, a pop up indication window will display "Load Profile Set Number out of range", when in fact Load Profile is not supported on these meter types.
28	The E-mail Notifications page does not auto-size, and thus the page runs over into the copyright section.
29	Exported files which contain the General Info meta data for a meter will include General Info from previous EMCM versions. This can be quite lengthy if the meter was previously on AMI 1.0.
30	The hes.sysout.log may print "ERROR" continuously and indefinitely.
31	Scheduled Tasks will get deleted in the very rare case that the User creates the task, and then deletes all members from the group without navigating away from the page. (Both steps are done on the same page in the UI, one right after the other)
32	Setting data orders via the EMCM diag (an internal tool) does not work; results in a NullPointerException
33	AMI alarms intermittently fail to appear in the Active Alarms tab of the Device Detail page, or the All Alarms page.
34	The WiYZ device will not be viewable for Guest users if the Guest is not first enabled with the WiYZ Remote parent type viewing privileges.
35	If we set 'emcm-transformer.uplink_requires_marriage_file' in the hes_config.properties file to false and the eMCM sends a null serial number in its meter info message, the operator will not be able to re-marry the node-meter binding unless it is first deleted using the rest interface.
36	REST user login state can become corrupted by concurrent login attempts.
37	The Admin Notifications export does not contain headers, and has other trivial display issues.
38	OTV may not generate an Unreachable alarm for meters that are in Maintenance mode.
39	The Advanced Search Feature still needs many optimizations. Not all meta data searches are accurate or functional, and the feature has various trivial defects.
40	The Readings/Messages page (via the Device Detail page) may intermittently appear as a blank page.
41	MUD Groups can only be deleted if all group members have first been removed.
42	Device count at the bottom of pages across the UI, may intermittently be incorrect.
43	"EMCM board type" is not recognized by HES or displayed in OTV for AMI 1.0 pTero boards.

	Known Issues
44	Sorting by "Last Activity Time" on All Devices or Meters page does not work as intended. Thus, sorting will be out of order.
45	OTV will not allow a user to create a group name, if the name was previously used for a group, but since deleted.
46	OTV Gateway Health Alarm email text has duplicate wording: "alarm alarm."
47	Power Fail alarm is not cleared on OTV if power fail occurs when eMCM is on AMI 1.0 and rejoins when eMCM is upgraded to AMI 1.1.
48	"MTP" checkbox is available for device types that do not support MTP on the Custom Device Editor area of OTV. MTP is only used for the RAW adapter.
49	FCI Underground is an available model type for the TIQ device but we do not support that model type, nor do any of our customers use it.
50	Boot Indication messages do not appear in the Received Messages portion of OTV. (This has changed from OTV 1.1)
51	Scheduled CMEP export tasks do not export at expected time if the first run occurs over a time change (DST to Standard and vice versa).