

Oracle Utilities Smart Grid Gateway

Release Notes for:

- Service Order Management
- Adapter for Networked Energy Services
- Adapter for Itron OpenWay
- Adapter for Landis+Gyr
- Adapter for Sensus RNI
- Adapter for Silver Spring Networks
- MV90 Adapter for Itron
- Adapter Development Kit

Release 2.2.0

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Preface

These release notes describe enhancements and known issues for Oracle Utilities Smart Grid Gateway version 2.2.0.

Audience

Oracle Utilities Smart Grid Gateway Release Notes is intended for anyone installing or using the Oracle Utilities Smart Grid Gateway.

Related Documents

The following documentation is included with this release.

Installation Guides and Release Notes

- *Oracle Utilities Smart Grid Gateway Release Notes*
- *Oracle Utilities Smart Grid Gateway Quick Install Guide*
- *Oracle Utilities Smart Grid Gateway Installation Guide*
- *Oracle Utilities Smart Grid Gateway Database Administrator's Guide*

Configuration and User Guides

- *Oracle Utilities Service and Measurement Data Foundation User's Guide*
- *Oracle Utilities Smart Grid Gateway Configuration Guide*
- *Oracle Utilities Smart Grid Gateway Adapter Configuration Guide*
- *Oracle Utilities Smart Grid Gateway Adapter User's Guide*

Framework Documents

- *Oracle Utilities Application Framework Business User Guide*
- *Oracle Utilities Application Framework Administrative User Guide*

Supplemental Documents

- *Oracle Utilities Smart Grid Gateway Server Administration Guide*
- *Oracle Utilities Smart Grid Gateway Security Guide*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Chapter 1

Release Notes

These release notes contain the following sections:

- [About This Release](#)
- [Relationship Between 2.2.0 and Prior Versions](#)
- [Supported Platforms Notice](#)
- [Supported Head-End Systems](#)
- [Supported Integrations](#)
- [Database Changes](#)
- [Demo Data Information](#)
- [Deprecated Items](#)
- [Oracle Utilities Smart Grid Gateway Enhancements](#)
- [Oracle Utilities Application Framework Release Notes](#)
- [Known Issues in This Release](#)

About This Release

This section contains general information about Oracle Utilities Smart Grid Gateway version 2.2.0. This release of Oracle Utilities Smart Grid Gateway includes the following components:

- Oracle Utilities Application Framework 4.3.0.3
- Oracle Utilities Service and Measurement Data Foundation 2.2.0

Note: In previous releases, Oracle Utilities Service and Measurement Data Foundation was referred to as Oracle Utilities Meter Data Framework.

Please visit My Oracle Support (<http://support.oracle.com>) for the most recent service packs and patches for this release to ensure you have the most current version of this product.

Relationship Between 2.2.0 and Prior Versions

Version 2.2.0 supports the following upgrade paths:

- If you are installing Oracle Utilities Smart Grid Gateway for the first time, you must install version 2.2.0, available on the Oracle Software Delivery Cloud.
- If you have Oracle Utilities Smart Grid Gateway version 2.1.0.3, you can upgrade to version 2.2.0 directly.

Supported Platforms Notice

Please refer to the *Oracle Utilities Smart Grid Gateway Quick Installation Guide* included in this release for an updated list of supported platforms.

Supported Head-End Systems

The following table lists the supported head-end systems and protocols for this release of the Oracle Utilities Smart Grid Gateway adapters:

Adapter	Currently Supported Version	Protocol
Adapter Development Kit	NA	MultiSpeak 4.1
Adapter for Networked Energy Services	Networked Energy Services NES 5.3	Proprietary (NES specific)
Adapter for Itron OpenWay	6.1	Proprietary
Adapter for Landis+Gyr	Gridstream Command Center 6.5	MultiSpeak v3.1
Adapter for Sensus RNI	Sensus RNI 3.3	MultiSpeak 3.0 & 4.1. RNI 3.1 and the SGG Sensus RNI adapter support MultiSpeak 4.1
Adapter for Silver Spring Networks	UtilityIQ Versions 4.10	Proprietary
MV90 Adapter for Itron	.mv9 binary, mainframe data format	Binary file format

Database Changes

Version 2.2.0 includes the following database enhancements:

Supported Integrations

The following integration is supported in this version of Oracle Utilities Smart Grid Gateway:

Oracle Utilities Smart Grid Gateway Integration for Outage Operations

This integration is supported for the following versions of Oracle Utilities Network Management System:

- v2.3.0.x
- v1.12.0.x

Oracle Utilities Service Order Management Integrations

The following integrations used with Service Order Management are supported with this release:

- Oracle Utilities Customer Care and Billing 2.4.0.x and 2.5.0 or higher to Oracle Utilities Service Order Management 2.2.0
- Oracle Utilities Service Order Management 2.2.0 to Oracle Utilities Mobile Workforce Management 2.2.0.x and 2.3.0 or higher

Demo Data Information

The application delivers a demo database based on the application versions provided with the release, including Oracle Utilities Application Framework. Demo data provides sample configuration and data for key application features.

Demo data is included in the service pack. Please refer to the *Database Administrator's Guide* for more information about installing the demo database, or contact Oracle Support.

Oracle Utilities Smart Grid Gateway Enhancements

This section describes new features and functionality in this release of Oracle Utilities Smart Grid Gateway, including:

- [Enhancements to All Adapters](#)
- [Adapter for Itron OpenWay Enhancements](#)
- [Adapter for Landis +Gyr Enhancements](#)
- [Adapter Development Kit Enhancements](#)

Enhancements to All Adapters

Data Extracts for DataRaker

The Oracle Utilities Smart Grid Gateway adapters have been enhanced to provide an output of initial measurement data directly to DataRaker from Oracle Utilities Smart Grid Gateway. This data is raw measurements (i.e. unvalidated and unchanged) to suit the needs of DataRaker analytics.

Prioritization of On-Demand Reads

The Oracle Utilities Smart Grid Gateway adapters have been enhanced to ensure any data collected as part of an on-demand read will be processed upon reception into Oracle Utilities Meter Data Management. This enhancement leverages a new Execution Method flag on initial measurement data to ensure this data can process immediately when received rather than being queued up for batch processing.

Adapter for Itron OpenWay Enhancements

Interrogation Enhancements

The Schedule Read functionality has been enhanced to provide greater usability. The following changes were made in version 2.1.0.3 subsequent to the original release:

- The first interrogation created after a Schedule Read activity is created will now be based on when the creation time rather than assuming that the first requested read should start at midnight.
- The ability to send requests in advance of the intended interrogation window to allow the request to be distributed throughout the Itron OpenWay network prior to the need for responses to be generated, thus limiting cross-traffic.
- An enhanced information string for Schedule Read activities that will clearly identify the meter population being interrogated, information about the last interrogation, and the recurrence information.
- When interrogations are missed there is now an ability to control how those missed interrogations will be requested. They can either be encapsulated in a single request (as they were prior) or requested one period at a time (based on the number of hours configured per request). The new leaner request option is intended to alleviate bandwidth issues when large numbers of meters are read for large periods of time (i.e. if the network is tuned for the standard request period then it does not make sense to request multiples of that duration).

The following changes are new with version 2.2.0.0:

- Interrogation requests canceled in Itron OpenWay will now also be canceled in Oracle Utilities Smart Grid Gateway
- There is now greater control over how failed interrogation requests are handled. Specifically there has been functionality introduced to automatically discard any interrogation communication out records that have exhausted their automated retries. This should alleviate issues where the communication out failed to make a successful request and remained in error until a user manually discarded it.

Enhanced Usage Mapping

Based on feedback around common modifications made to the import of usage data the following enhancements were made in version 2.1.0.3 subsequent to the original release:

- The ability to configure a Wh to kWh conversion as part of the mapping of the Itron OpenWay external UOMs to the interval UOM codes.
- The precision of incoming usage will be truncated to the maximum allowable digits in MDM/SGG. This is currently a maximum of 6 digits after the decimal point.

Filtering of Usage and Events

This new filtering option allows a user to configure an acceptable list of event codes and/or units of measure within a set of extendable lookups. Oracle Utilities Smart Grid Gateway uses the configured lists to filter out any initial measurement data or events that don't meet the configured criteria. This helps ensure that "noise" from the meter can be filtering out such as meaningless events that are generated very frequently.

Adapter for Landis +Gyr Enhancements

The Adapter for Landis+Gyr has been enhanced with several new commands to support a more robust commissioning process. Three new interactions with the Landis+Gyr system have been added to this release to support a more robust commissioning process. These include the following:

- Add Meter To Inventory: this API is used to register the meter in Landis+Gyr whenever a new meter is received into inventory.
- Meter Exchange Notification: this API is used to indicate to Landis+Gyr that a meter has been installed at a particular location.
- Meter Retire Notification: this API is used to archive a meter within Landis+Gyr when a meter has been retired.

Adapter Development Kit Enhancements

Compatibility to Accept Native IMD Format

The Adapter Development Kit has been enhanced to natively accept the same initial measurement data format that Oracle Utilities Meter Data Management accepts.

Deprecated Items

This section describes items no longer supported by this version of Oracle Utilities Smart Grid Gateway:

- All Oracle 11g platforms
- Microsoft Internet Explorer 10
- Linux 5.8
- Solaris 10
- WebSphere
- Microsoft Server 2008 R2
- Microsoft Server 2012 for Production
- Java 6

Oracle Utilities Application Framework Release Notes

This section describes enhancements, system data details and deprecation notices in Oracle Utilities Application Framework version 4.3.0.3 including:

- [Oracle Utilities Application Framework Enhancements](#)
- [Oracle Utilities Application Framework System Data Details](#)
- [Oracle Utilities Application Framework Deprecation Notices](#)

Oracle Utilities Application Framework Enhancements

This section describes new and enhanced features in this release of Oracle Utilities Application Framework v4.3.0.3, including:

- [Configuration Tool Enhancements](#)
- [Integration Enhancements](#)
- [Reporting and Monitoring Enhancements](#)
- [Configuration Migration Assistant \(CMA\) Enhancements](#)
- [Miscellaneous Enhancements](#)

Configuration Tool Enhancements

This section provides information about enhancements to the system configuration tools.

Introduced Support for the Apache Groovy Language

In this release, the system includes support for writing plug-in scripts and service scripts using the Apache Groovy programming language.

This enhancement includes:

- A new step type of **Groovy Member** has been added which provides a free format text area where you can enter Groovy code.
- A script can incorporate Groovy code in one of following two ways:
 - If a scripting engine version is used, a script can include a combination of Groovy Member step types and other script step types. The Groovy Member steps form a Groovy class whose methods can be invoked from edit data steps within the main script body.
 - Plug In scripts can be written solely using Groovy. A new a script engine version value of Groovy has been added so that the script can indicate this to the framework. This avoids the need to convert the data to and from an XML structure when invoking a plug-in and provides the ability to write Groovy code that can work with the Java objects directly
- For security, the product, Java and third party classes available for scripting in Groovy will be restricted to a published whitelist.
- A system wide property setting governs whether or not Groovy may be used in scripting by your implementation

Refer to the topic 'Using Groovy within Scripts' in the 'Defining Script Options' chapter of the *Administration Guide* for more details of the functionality provided.

Integration Enhancements

This section provides information about integration oriented enhancements.

Introduced a SOAP Message Sender

In this release, a new message sender class has been added to support sending HTTP outbound messages that follow the SOAP format. In previous releases, it was required to use an XSL to add a SOAP envelope to a message to accomplish this. When configuring senders of this type, besides configuring the common HTTP context entries, the following additional context variables are available:

- SOAP Insert Time Stamp (Y/N)
- SOAP User Name Security Type. Values may be BASIC (HTTP Basic), TEXT (Username Token plain text) or DIGEST - Username Token Digest.
- SOAP Expiration Delay (in seconds)

Note that only the HTTP method of POST is supported.

Allow a Web Service to Define Content Type

By default, the real-time HTTP sender sets the HTTP Content-Type header to "text/xml". Some target applications require a different setting, such as "application/xml". In this release, a new sender context type has been added to allow you to configure the appropriate Content-Type for a given Real-time Sender.

Support a Web Service Catalogue

In this release, the product has introduced an adapter to streamline integration between your edge applications and Integration Cloud Service (ICS), which is an offering that serves as integration infrastructure for Oracle cloud solutions.

Reporting and Monitoring Enhancements

The following sections highlight enhancements to reporting functionality.

Ability to Capture Calculated Statistics

In this release, the product introduces functionality related to capturing statistics for a given business use case. The framework provides the following:

- A statistics control object, which is used to configure control information about whether statistics for a given use case are calculated periodically and if so, how often. Additionally it controls whether multiple historic snapshots are kept and for how long. The product provides a base business object which may be used for implementations to define their statistics control records.
- A statistics snapshot object, which is used to capture the calculated statistics. The product provides a "root" business object with an appropriate lifecycle. Edge products or implementations would extend this business object to define specific use cases. The specific business objects would include the appropriate elements in its schema that define the information being captured. And it would include an appropriate algorithm that is used to calculate the statistics data and populate the elements in the record.

The framework also provides user interface objects to view and maintain the statistics control and to view and maintain basic information captured in the statistics snapshot.

Refer to the 'Capturing Statistics' section in the 'Reporting and Monitoring Tools' chapter in the *Administration Guide* for details of the functionality provided and the framework system objects used to support it.

Refer to your specific edge product's release notes to determine if your product has provided support for specific statistics business use cases.

Ability to Define Performance Targets

In this release, the product provides functionality to define and categorize performance targets and link them to objects such as business services, zones and portals. This supports the calculation and display of the metrics against desired results.

In addition, the framework supplies out of the box support for creating batch process performance targets and the necessary components to configure these performance targets on a dashboard that groups related measures.

The batch process performance target functionality may be used a model for creating additional performance measures for use cases applicable to the edge products.

Refer to the 'Measuring Performance' section in the 'Reporting and Monitoring Tools' chapter in the *Administration Guides* for details of the functionality provided and the framework system objects used to support it.

Refer to your specific edge product's release notes to determine if your product has provided support for additional performance target business use cases.

Configuration Migration Assistant (CMA) Enhancements

The following sections highlight enhancements to CMA functionality. Note that the product is continuing to find ways to streamline the overall CMA process; reducing steps and increasing the ability to automate various steps.

Provide Additional Event Driven Batch Events

In this release several new algorithms have been provided to submit batch jobs that will automatically progress the lifecycle of the migration import.

- F1-MGOAP-SJ - Submit Migration Object Apply Monitor. This algorithm is supplied to be plugged into the **Apply Objects** status.
- F1-MGTAP-SJ - Submit Migration Transaction Monitor. This algorithm is supplied to be plugged into the **Apply Transactions** status.
- F1-MGTPR-SJ - Submit Migration Transaction Apply Monitor. This algorithm is supplied to be plugged into the **Retry Transactions** status.

In addition, the existing algorithm F1-MGOPR-SJ may optionally be plugged into the **Retry Objects** status to automatically progress the lifecycle.

In addition, the following algorithms have been provided to submit a batch job upon completion of a batch job:

- F1-MGDIM-NJ - Submit Migration Data Set Import Monitor. This algorithm is supplied to be plugged into the F1-MGTPR (Migration Transaction Monitor), F1-MGTAP (Migration Transaction Monitor - Apply) and F1-MGOAP (Migration Object Monitor - Apply) batch controls.
- F1-MGTPR-NJ - Submit Migration Transaction Monitor. This algorithm is supplied to be plugged into the F1-MGOPR (Migration Object Monitor) batch control.

Automatically Transition to Apply Transactions if Possible

In previous releases, the algorithm that checks to see if a Data Set can automatically transition from Apply Objects to Apply Transactions would only proceed if there were no objects in the Error Applying state. In this release, the algorithm has been changed to instead check for the number of errors. If the number is below a certain limit (configured as a parameter), the data set will transition to Apply Transactions. Note that this automatic transition only occurs if the Migration Data Set Import monitor process is run after the Migration Object Apply monitor process completes.

Ability to Indicate that No Approval is Needed

In this release, a new option has been added to the migration data set import: an Auto Apply flag. This is implemented to allow for use cases where the migration is repetitive and the users have tested it and feel that there is no need for the manual approval step. Setting this flag to Yes results in the Apply step kicking off automatically.

Adjust Retry Logic

A change has been made to the procedure for retrying the apply object and apply transaction processing. In previous releases:

- Clicking Retry Objects from Apply Objects or Retry Transactions from Apply Transactions transitioned the data set to the respective state temporarily but then returned the data set back to Apply Objects or Apply Transactions. This would increment a retry counter used to detect that a retry has been requested.
- Note that clicking Retry Objects from Apply Transactions would simply transition the data set to Apply Objects (incrementing the retry counter). Clicking Apply Transactions from Apply Objects would transition from to Apply Transactions (incrementing the counter). If any transactions were in error, the same steps described below were required.
- After clicking either Retry Objects or Retry Transactions, the user needed to submit two batch jobs. First submit the appropriate batch (Object Monitor or Transaction Monitor) to move the objects/transactions in error back to the status of Approved (for objects) or Ready to Apply (for transactions). (The retry counter would be checked to control this). Then submit the appropriate Apply batch job.

In this release, the Retry Objects and Retry Transactions states are not transitory. This is to help with the effort to automate steps. It also eliminated the need for a retry counter. The steps for retrying are as follows:

- Clicking Retry Objects from Apply Objects or Apply Transactions or clicking Retry Transactions from Apply Transactions transitions the data set to the appropriate Retry state. When a user clicks Apply Transactions from Apply Objects, the system will check whether or not there are transactions in error and if so, automatically transitions to Retry Transactions.
- At this point the appropriate batch job (Object Monitor or Transaction Monitor) to move objects/transactions in error back to the appropriate state (Approved or Ready to Apply, respectively) should be run. As described in [Provide Additional Event Driven Batch Events](#), each Retry state can be configured to automatically submit the appropriate batch job. Once the object or transaction monitor is finished moving the data in error back to the appropriate state, the Data Set should be transitioned from the Retry state back to the appropriate "Apply" state. This can be done with the Data Set Monitor batch job. As described in [Provide Additional Event Driven Batch Events](#), the Data Set Monitor can be automatically triggered by plugging in the appropriate batch control post processing event on the Object Monitor and Transaction Monitor.
- Once the data set is back in the appropriate Apply state, the corresponding Apply batch job should be run. As described in [Provide Additional Event Driven Batch Events](#), the Apply states can be configured to automatically kick off their corresponding batch jobs.

Ability to Migrate Individual Messages

In previous releases, CMA supported the ability to migrate a message category and all its messages. In this release, support now exists for migrating an individual message category (without its messages) and to migrate one or more specific messages within a category. Refer to [New/Updated Migration Plans/Migration Requests](#) for more information.

Miscellaneous Enhancements

This section describes miscellaneous enhancements.

Manage Thread Pool Worker from WebLogic

In this release, threadpoolworkers are now deployed as Weblogic managed servers so that they can be configured, started and stopped from Weblogic.

Support for Installation Options Maintenance through BO

In previous releases, the Installation Options maintenance object was marked to not support maintenance through a BO interaction.

In this release, that setting has changed and in addition, a base BO has been supplied to allow update of installation option configuration through this BO. This may be helpful if updates to the installation options need to be updated from an external system such as an automated testing system.

Note: This change was also implemented as a HOT fix to the 4.2.0.3.0 code line via Bug 22722115.

Populate Context Fields for MO and PK on Portal Based Pages

In this release, new portal context fields have been added for the maintenance object (MAINT_OBJ_CD) and the primary key (PK) field name and value. Up to 5 components are supported for the PK. The fields for the PK field name are PK_FLD_NAME1 through PK_FLD_NAME5. The fields for the PK value are PK_VALUE1 through PK_VALUE5.

The system will attempt to automatically populate the context for the current object being maintained. Refer to the description of business service F1-GetMoAndPrimeKeyFields for information about how the maintenance object is determined.

This functionality allows for portals to implement common functionality that is applicable across different maintenance objects.

Oracle Utilities Application Framework System Data Details

This section provides information about new and updated system data delivered in this release that may need to be reviewed for possible impact by implementations.

This section includes the following:

- [New/Updated Application Services](#)
- [New/Updated Migration Plans/Migration Requests](#)
- [Updated System Data Details](#)

New/Updated Application Services

The following application services were added or updated. Please review and determine which user groups, if any should be granted access to the application service/access mode.

Application Service	Description	Access Mode	Comments
F1PRFTGT	Performance Target Portal	Inquire	New application service for Performance Target functionality.
F1-PERFTGT	Performance Target MO	Add, Change, Delete, Inquire	New application service for Performance Target functionality.
F1-PERFTGTTY	Performance Target Type MO	Add, Change, Delete, Inquire	New application service for Performance Target functionality.
F1PRTGTY	Performance Target Type Portal	Inquire	New application service for Performance Target functionality.
F1-PERFTGTB	Batch Performance Target BO	Add, Change, Delete, Inquire, Active, Inactive, Generate Objects	New application service for Performance Target functionality.
F1SVCCAT	Web Service Catalog Portal	Inquire	New application service for the web service catalog .
F1STATS	Statistics Control Portal	Inquire	New application service for the statistics functionality.
F1-STATS	Statistics Control MO	Add, Change, Delete, Inquire	New application service for the statistics functionality.
F1STCSNP	Statistics Snapshot Portal	Inquire	New application service for the statistics functionality.
F1-STSSNPSHT	Statistics Snapshot MO	Add, Change, Delete, Inquire	New application service for the statistics functionality.

Application Service	Description	Access Mode	Comments
F1-STATSBOAS	Statistics Control BO	Add, Change, Delete, Inquire, Active, Capture, Inactive	New application service for the statistics functionality.
F1-SNPSHTBOAS	Statistics Snapshot Root BO	Add, Change, Complete, Delete, Inquire, Pending	New application service for the statistics functionality.
F1MESSAGECATEGORY	Message Category MO	Add, Change, Delete, Inquire	New application service for the message category MO introduced for Ability to Migrate Individual Messages .

New/Updated Migration Plans/Migration Requests

The following changes were implemented to support the [Ability to Migrate Individual Messages](#).

- New migration plan for specific messages: **F1-Message**.
- New migration plan for migrating a message category only (without its messages): **F1-MessageCategoryOnly**.

Note that the new migration plans have not been added to base delivered migration requests. That is because the delivered migration requests are intended for bulk migrations and as such the existing migration plan that includes message categories and its messages is appropriate for the migration request. The new migration plans are provided to support more targeted migrations for an implementation where a specific migration request will be used.

Updated System Data Details

This section highlights miscellaneous changes to system data configuration.

- The XAI Inbound Service maintenance object (**XAI SERVICE**) has been enhanced to refer to an FK Reference that properly displays an XAI Inbound Service when clicked. The previously configured FK Ref for the MO would navigate the user to the maintenance page but only launch the search.

Oracle Utilities Application Framework Deprecation Notices

This section provides information on functionality that has been removed or is no longer supported by Oracle Utilities Application Framework v4.3.0.3. This section includes the following:

- [System Data Deprecation](#)
- [Deprecated Functionality Planned For Future Releases](#)

System Data Deprecation

- The menus **CI_ADDCONTEXT** and **CI_GOTOCONTEXT** are not in use and have been removed in this release along with all related menu items and menu lines.

Deprecated Functionality Planned For Future Releases

- Environment Reference. This administrative maintenance object was related to ConfigLab and Archiving, which are no longer supported. In a future release, the following will be removed:
 - Migration Plan **F1-EnvironmentRef**. Note that no base migration request references this plan. Implementations should ensure that no custom migration request references this plan.
 - Business Object **F1-EnvironmentRefPhysicalBO**
 - Maintenance Object **ENV REF**
- The To Do Type **F1-SYNRQ** (Sync Request Error) is not in use and will be deleted in a future release. Errors for the Sync Request Monitor (that also has the name **F1-SYNRQ**) are reported using the To Do Type **F1-SYNTD** (Sync Request Monitor Errors).
- The following algorithm types and algorithms provided for the current LDAP import functionality do not include any logic. They will be removed in a future release.
 - Algorithm Type/Algorithm **F1-LDAPIMPRT**
 - Algorithm Type/Algorithm **F1-LDAPPREPR**
- The lookup value **CHAR_ENTITY_FLG /F1SE** (Characteristic Entity / Sync Request Inbound Exception) is not in use and will be removed in a future release.
- The database tables **F1_IWS_ANN_CHAR** and **F1_IWS_ANN_TYPE_CHAR** will be removed in a future release.

Support for Abbreviated Time Zone Names

The time zone page includes a drop down for defining a Time Zone Name. The list includes many three-digit 'abbreviated' time zone names. However, their use is deprecated because the same abbreviation is often used for multiple time zones (for example, 'CST' could be U.S. 'Central Standard Time' and 'China Standard Time'), and the Java platform can then only recognize one of them.

In a future release the Time Zone name drop down will be updated to remove the abbreviated values and upgrade any existing records to refer to an appropriate supported time zone name.

CMA Import Algorithm

In a future release the CMA Import algorithm plug-in spot will be deprecated. Please review any existing algorithms and create appropriate Pre-Compare algorithms instead.

BO Read in F1-MainProc when Pre-Processing Exists

In the original implementation of configuration tools, if a pre-processing script was linked to the BO via options, the main framework maintenance BPA (F1-MainProc) would not perform a Read of the BO, leaving it to the responsibility of the pre-processing script.

In a subsequent release, to solve a UI Hints issue related to child BOs, a BO Read was included in F1-MainProc even if a pre-processing script existed. This solution introduced a problem only visible for specific scenarios and a different fix has been introduced. In the meantime the BO Read is no longer necessary in F1-MainProc. Because there are many pre-processing scripts that are properly performing the Read of the BO, ideally the BO Read should be removed from F1-MainProc so that multiple reads are not performed.

However, there may have been pre-processing scripts introduced after the BO Read was included in F1-MainProc that were coded to not perform a BO read in the pre-processing script. Because of this situation, the BO Read is still performed as part of the processing of F1-MainProc.

The product plans to remove the BO Read from F1-MainProc logic when a pre-processing script exists. Please review your custom pre-processing scripts that are linked to your BO options to ensure that it properly performs a Read of your BO.

Desupport of Embedded Installation

WebLogic 12.1.3 is currently supported for both embedded and native installations. In future releases of Oracle Utilities Application Framework, using a later version of WebLogic, for example 12.2.*, embedded installations will not be supported. Only the native installation will be supported.

Known Issues in This Release

This section describes known issues in Oracle Utilities Smart Grid Gateway version 2.2.0 at the time of release. Single fixes for these issues will be released at a later date.

Smart Grid Gateway Known Issues

This following table lists known issues in the Oracle Utilities Smart Grid Gateway at the time of this release.

Bug Number	Description
25219634	IMD Seeder encounters NULL pointer exception when measuring component is not resolved.
	This issue can be fixed by installing patch 25219634 (available on My Oracle Support).

Oracle Utilities Application Framework Known Issues

This following table lists known issues in Oracle Utilities Application Framework at the time of this release.

Bug Number	Description
20811607	When using a FireFox browser, focus is not maintained in input boxes when invalid data is populated.
20579148	Multi query search entries are not retained when the user navigates back using history.
20576737	The Explorer filter icon does not display consistently in Fire Fox.

Bug Fixes Not Included in This Release

This section lists bug fixes released for previous versions of the product that have not been included in this release. These fixes are planned for a future date for the current release using the bug numbers listed in the tables below.

Original Version	Original Fix	Description	2.2.0
2.1.0.3	24970738	COPY OF BUG 24970738 - PRESENCE OF MSRMENT CYCLE SCHEDULE DETERMINE ELIGIBILITY	25200735
2.1.0.3	24972224	COPY OF BUG 24972224 - BADGE NUMBER IS MISSING FOR SENSUS METER D6-SMARTMETER	25109605
2.1.0.3	25176745	COPY OF 25176745 - FAULT POLICY FILES MISSING FROM MDS	25212275