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Chapter 1

Introduction

This Licensing Information User Manual document is a part of the product or program documentation under the terms of your Oracle license agreement and is intended to help you understand the program editions, entitlements, restrictions, prerequisites, special license rights, and/or separately licensed third party technology terms associated with the Oracle software program(s) covered by this document (the “Program(s)”). Entitled or restricted use products or components identified in this document that are not provided with the particular Program may be obtained from the Oracle Software Delivery Cloud website (https://edelivery.oracle.com) or from media Oracle may provide. If you have a question about your license rights and obligations, please contact your Oracle sales representative, review the information provided in Oracle’s Software Investment Guide (http://www.oracle.com/us/corporate/pricing/software-investment-guide/index.html), and/or contact the applicable Oracle License Management Services representative listed on http://www.oracle.com/us/corporate/license-management-services/index.html.
Chapter 2
Licensing Information

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<tr>
<td>Oracle Utilities Meter Data Management</td>
<td>Oracle Utilities Meter Data Management</td>
<td>Oracle Utilities Meter Data Management provides the core functionality for meter data management, usage validation, editing, and estimation functionality, and bill determinant calculation capabilities.</td>
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<tr>
<td></td>
<td></td>
<td><strong>Included Products:</strong> Oracle Utilities Service and Measurement Data Foundation</td>
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<tr>
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<td></td>
<td><strong>Prerequisites:</strong> • Oracle Database Enterprise Edition  • Oracle WebLogic Server Enterprise Edition</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Restrictions:</strong> The Oracle Utilities Service and Measurement Data Foundation provides functionality used by multiple Oracle Utilities products, including Oracle Utilities Meter Data Management and Oracle Utilities Smart Grid Gateway. Some of the functionality provided with the Oracle Utilities Service and Measurement Data Foundation is restricted, and can only be used if specific products have been licensed. See License Restrictions Matrix on page 2-3 for more information.</td>
</tr>
<tr>
<td>Oracle Utilities Information Lifecycle</td>
<td>Oracle Utilities Information Lifecycle Management for Meter Data</td>
<td>Oracle Utilities Information Lifecycle Management for Meter Data contains a set of processes to support Information Lifecycle Management (ILM) for a number of high volume transactional data objects. The processes identify eligible historical records to facilitate the migration of data to lower cost storage or archived database.</td>
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<td>Management for Meter Data</td>
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<td><strong>Prerequisites:</strong> • Oracle Database Enterprise Edition and the Partitioning option are prerequisites for this option.</td>
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<td></td>
<td><strong>Restrictions:</strong> Components provided with ILM including batch jobs, algorithms, and database columns are restricted and CANNOT be used to develop custom archiving processes.</td>
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</table>


Oracle Utilities Customer Care & Billing (CC&B) Rating & Billing for Interval Data for Residential Customers and Oracle Utilities Customer Care & Billing Rating & Billing for Interval Data for Commercial and Industrial Customers include licenses to Oracle Utilities Meter Data Management (Restricted Use) and Oracle Utilities Customer Care and Billing Integration to Oracle Utilities Meter Data Management. Oracle Utilities Meter Data Management (Restricted Use) is restricted to the following functions solely to support use of billing functions in Oracle Utilities Customer Care and Billing:

- Loading interval data*
- Limited interval data validation, editing, and estimation (VEE) functionality (restricted to: Interval Size Validation, Interval Spike Check, and Interval Averaging Estimation)
- Creating usage transactions and bill determinants to support interval billing processes.

Any other use is NOT included and requires a separate full use license for Oracle Utilities Meter Data Management.

Note: This restricted use license allows customers to create custom rules to support validating and estimating interval measurements and creating bill determinants from interval data. This license does NOT allow customers to create custom components related to other processes such as processing scalar / register read data, TOU meter register, device events, smart meter commands, non-billing aggregations, service orders, reader remarks, exporting data to other non-CC&B systems, etc.

* Interval data is defined as meter readings or quantities read at fixed time periods of at least once per hour (interval data does not include scalar/registry readings or device events).

**Included Products:**
Oracle Utilities Service and Measurement Data Foundation

**Prerequisites:**
- Oracle Database Enterprise Edition
- Oracle WebLogic Server Enterprise Edition

**Restrictions:**
The Oracle Utilities Service and Measurement Data Foundation provides functionality used by multiple Oracle Utilities products, including Oracle Utilities Meter Data Management and Oracle Utilities Smart Grid Gateway. Some of the functionality provided with the Oracle Utilities Service and Measurement Data Foundation is restricted, and can only be used if specific products have been licensed. See License Restrictions Matrix on page 2-3 for more information.
# License Restrictions Matrix

The Oracle Utilities meter solution products include functionality used by multiple Oracle Utilities products. Some of the functionality provided with the Oracle Utilities meter solution products is restricted, and can only be used if specific products have been licensed. The table below indicates the specific functional areas included with each of the listed products.

- “✓” indicates that the functional area is included with the product.
- “✓ *” indicates that the functional area is included with the product, but in order to use the functionality customers must license additional products. For example, a customer licensing Oracle Utilities Meter Data Management who wishes to use information lifecycle management must also license Information Lifecycle Management for Meter Data.
- “✗” indicates that the functional area is not included with the product.

In order to use functionality listed as “not included”, customers must license the product that includes the desired functionality. For example, a customer licensing Oracle Utilities Smart Grid Gateway who wishes to perform validation, editing, and estimations on incoming measurement data must also license Oracle Utilities Meter Data Management.

- “C” indicates that customers can develop custom implementations and interfaces to support this functionality. Note that use of any base package business objects (and related algorithms, business services, etc.) provided with the Oracle Utilities meter solution to support meter command functionality is prohibited unless the customer has also licensed Oracle Utilities Smart Grid Gateway.

<table>
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<tr>
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<td>Measurement and Service Data Model</td>
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<td>✓</td>
<td>✓</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Validation and Editing Functionality</td>
<td>✓</td>
<td>✗</td>
<td>C</td>
<td>✗</td>
<td>✗</td>
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<tr>
<td>Estimation and Forecasting Functionality</td>
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<tr>
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<td>Consumer Level Usage and Bill Determinant Calculations</td>
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<td>✗</td>
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Functional Areas

The table below describes the functional areas provided with the Oracle Utilities meter solution products.

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<tr>
<th>Functional Area</th>
<th>Description</th>
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<tbody>
<tr>
<td>Measurement and Service Data Model</td>
<td>The measurement and service data model contains database tables and related functionality used to define and store meters, devices, unmetered items, service points, and measurement data.</td>
</tr>
<tr>
<td>Validation and Editing Functionality</td>
<td>The engine that provides the core functionality used to perform validation and editing on usage data.</td>
</tr>
<tr>
<td>Estimation and Forecasting Functionality</td>
<td>Processes to estimate missing usage and forecast future energy use.</td>
</tr>
<tr>
<td>Measurement Services and Aggregation</td>
<td>Measurement services are used to process meter reading data and manipulate measurements to support billing or other downstream processes.</td>
</tr>
<tr>
<td>Consumer Level Usage and Bill Determinant Calculations</td>
<td>The usage engine and usage rules provide the core functionality used to perform usage calculations based on measurement data.</td>
</tr>
<tr>
<td>Functional Area</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------</td>
<td>-------------</td>
</tr>
<tr>
<td>Usage Calculations for Settlement and Wholesale Billing Processes</td>
<td>The usage engine and usage rules provide the core functionality used to perform settlement and wholesale billing calculations based on measurement data.</td>
</tr>
</tbody>
</table>
| Information Lifecycle Management for Meter Data | Oracle Utilities Information Lifecycle Management for Meter Data contains a set of processes to support Information Lifecycle Management (ILM) for a number of high volume transactional data objects. The processes identify eligible historical records to facilitate the migration of data to lower cost storage or archived database.  
**Note:** Oracle Database Enterprise Edition and the Partitioning option are prerequisites for this option. Components provided with ILM including batch jobs, algorithms, and database columns are restricted and CANNOT be used to develop custom archiving processes. |
| Analytics | Base package batch processes used to extract and load data for use in analytics applications such as Oracle Utilities Analytics. |
| Customer Self Service | Web services used to access data via the Oracle Utilities Customer Self Service application. |
| Usage and Event Upload Statistics Processing | Processing and compiling upload statistics related to upload of usage and device events. |
| Smart Meter Command Processing | Executing smart meter commands and communicating with a head-end system for purposes of issuing commands such as remote connect, commission meter, etc.  
**Note:** Customers who license Oracle Utilities Meter Data Management can build custom interfaces to AMI vendor head-end systems to support smart meter command processes. However, use of the command business objects (and related objects) included with the Oracle Utilities Service and Measurement Data Foundation without licensing Oracle Utilities Smart Grid Gateway is prohibited. |
<p>| Outage Integration | Communicating with Oracle Utilities Network Management System, including sending/receiving bulk ping commands, receiving device events from Oracle Utilities Smart Grid Gateway, and suppression of device event notifications (allowing a suppression activity to be configured for a meter or service point so that specified device event notifications will not be sent to Oracle Utilities Network Management System). |
| Service Order Management | Orchestration of service orders that involve field work and/or smart meter commands through integration with customer information systems, mobile field work systems, and head-end systems. |
| DataConnect | Components used to extract interval measurements data and master data for integration with external energy management systems. |
| Settlement Processes | Components used for settlement processes: schedules, unaccounted for energy (UFE) calculations, capacity calculations, procurement, and true up processes. |
| Wholesale Gas Operations | Components used for wholesale gas operations: nominations, bids, scheduling and transportation. |</p>
<table>
<thead>
<tr>
<th>Functional Area</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forecasting Rules</td>
<td>Rules used to forecast future energy use.</td>
</tr>
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</table>
## Third Party Notices

### Open Source or Other Separately Licensed Software

Required notices for open source or other separately licensed software products or components distributed in this product are identified in the following table along with the applicable licensing information. Additional notices and/or licenses may be found in the included documentation or readme files of the individual third party software.

**Note:** A copy of each license appears in the Third-Party License chapter, unless otherwise noted.

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jQuery Wiggle

Author: WonderGroup, Jordan Thomas

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swagger-ui.js

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