# Oracle DataRaker Data Requirements and Supported Systems Guide

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*Oracle DataRaker Data Requirements and Supported Systems Guide, Versions 2.4 and 3.8*

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## Table of Contents


Overview 1

Oracle DataRaker Cloud Service 1

- Scope 1
- Head-End Systems 2
- CIS Systems 3

## Overview

The document accompanies the *Oracle DataRaker Cloud Service Ordering Document*. It provides a high-level overview of the offering listed in the Ordering Document.

**Note:** Further details of the services are shared at the outset of an engagement.

The services described herein are part of the services provided under the terms of the *Oracle DataRaker Cloud Service Ordering Document*. This document is subject to change at Oracle's discretion; however, Oracle will not materially reduce the level of services provided for the duration of the initial services term defined in the *Oracle DataRaker Cloud Service Ordering Document*.

## Oracle DataRaker Cloud Service

The services described herein apply to users of the Oracle DataRaker Cloud Service accessing the applications within Oracle's Utility Global Business Unit in a dedicated single tenant environment.

### Scope

Oracle DataRaker Cloud Service version 3.8.x includes the following modules:

1. Oracle DataRaker Meter to Bill for Sub-daily Daily Meters Cloud Service
2. Oracle DataRaker Meter to Bill for Daily Meters Cloud Service
3. Oracle DataRaker Revenue Protection for Sub-daily Daily Meters Cloud Service
4. Oracle DataRaker Revenue Protection for Daily Meters Cloud Service
5. Oracle DataRaker Distribution Planning and Operations for Sub-daily Daily Meters Cloud Service
6. Oracle DataRaker Distribution Planning and Operations for Daily Meters Cloud Service
7. Oracle DataRaker Demand Response and Energy Efficiency for Sub-daily Daily Meters Cloud Service
8. Oracle DataRaker Demand Response and Energy Efficiency for Daily Meters Cloud Service
9. Oracle DataRaker for Monthly Meters Cloud Service

The following description defines the integration formats of Oracle DataRaker Cloud Service modules to the head-end and CIS systems. The listed formats and standards are part of the on-boarding process to upload the data to the Oracle DataRaker Cloud Service and are included in the service agreement.

Customers are responsible for providing the data in one of the formats listed in the **Head-End Systems** and **CIS Systems** sections below. For head-end or CIS systems that are not listed, or for file formats different than those specified below, Oracle will perform interface configuration and integration on a time and material basis.

## Head-End Systems

The following head-end systems, files, and formats are supported:

| Manufacturer | Type | File Name | Format | Description |
|---|---|---|---|---|
| **Elster** | EnergyAxis | Events | XML | |
| | EnergyAxis | Meter Reads | XML | |
| | EnergyAxis | Interval | XML | |
| **Itron** | MV 90 | Interval CSV | Comma Delimited | This may be a custom extract from MV90. |
| **Landis and Gyr** | L+G18.5 AMR | Meter Read | Fixed Width | Contains the register reads and flags. |
| | L+G18.5 AMR | DB Maint / Sync | Fixed Width | Contains meter properties and ties back to CIS. |
| | L+G18.5 AMR | Revenue Integration Gold | Comma Delimited | This maybe a custom extract that contains attributes. |
| | L+G18.5 AMR | Post Install | Fixed Width | Contains information recorded after meter installation, including reads. |
| | Gridstream | Interval | Tilde Delimited | Contains interval date for meters. |
| | Gridstream | EMED (Every Meter Every Day) | Tilde Delimited | Contains register reads, meter attributes and events. |
| | Gridstream | Events | Tilde Delimited | Contains interval event information. |
| **Lodestar** | Lodestar | Loadstar Transfer Format | Structured, Fixed Width | Standard Lodestar structured file format (four header rows). |
| **Sensus** | Flexnet/RNI | CMEP Events | Comma Delimited | Contains the majority of daily flags. Sensus has a web service for events, and we have seen that they do not match up one to one. |
| | Flexnet/RNI | CMEP Meter Reads | Comma Delimited | Contains daily register reads as well as interval reads for gas, electric and water. Typically separate files for different commodities. |
| | Flexnet/RNI | CMEP Interval Catchup | Comma Delimited | |

| Manufacturer | Type | File Name | Format | Description |
|---|---|---|---|---|
| **SSN** | UIQ | Location | Fixed Width | Contains geolocation and address information for meter and network infrastructure. |
| | UIQ | Events | Comma Delimited | Daily events file containing all meter and system events for the past day. |
| | UIQ | Tamper | XML | Contains all tamper alarm events. |
| | UIQ | Meter | Fixed Width | Contains information about meter model, module, firmware, software, *etc*. |
| | UIQ | Meter Reads | XML | Contains daily register reads and potentially demand, voltage, kVAr, *etc*. |
| | UIQ | Interval | XML | Contains interval values as well as statuses as well as data quality flags. |

## CIS Systems

The following CIS systems, formats, and standards are supported:

| Standard/ System | Format | Description |
|---|---|---|
| Oracle Utilities Customer Care and Billing (CC&B) | | |
| Green Button | XSD, XSLT, XML | Meter and customer attributes, interval reads, usage. |
| CSS | Comma Delimited, Fixed Width | Meter information such as status, flags, *etc*. |
| CIS | Fixed Width | Customer and account information. |
| Customer Contacts | Fixed Width | |