

Oracle DataRaker Program Document

Data Requirements and Supported Systems

Release 3.8

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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 Daily Meters Cloud Service
2. Oracle DataRaker Revenue Protection Cloud Service
3. Oracle DataRaker Distribution Planning and Operations Cloud Service
4. Oracle DataRaker Demand Response and Energy Efficiency 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.
	MVRS	Meter Reads	Fixed Width	Contains register read information
	MVRS	Meter Characteristics	Fixed Width	Contains relational information like manufacturer, model and commodity
	OpenWay	Meter Reads	Extracts from Openway webservice	Files containing meter read information (interval and daily) extracted from Openway web services.
	OpenWay	Events	Extracts from Openway webservice	Files containing meter event information extracted from Openway web services.
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 data 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

Manufacturer	Type	File Name	Format	Description
				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	
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	