

MHHS SERVICES: SUMMARY GUIDE

The Unmetered Supply Operator (UMSO)

The Unmetered Supplies Operator (UMSO) is responsible for validating the detailed unmetered supplies inventory data for equipment attached to its Distribution network and providing information to other industry stakeholders. It interfaces with the customer who owns/operates the unmetered equipment (referred to as the Unmetered Supplies customer). The UMSO Service is provided by the Distribution Business. The customers provide information on the unmetered equipment connected to the Distribution network.

The UMS Customer provides a Detailed Inventory to the UMSO; the UMSO validates this information, such as the Charge Codes and Switch Regimes, and then provides a Control file for the [Central Management Systems \(CMS\)](#) equipment and a Summary Inventory for the non-CMS controlled equipment to the Unmetered Supplies Data Service (UMSDS). The UMSDS uses this data to calculate Settlement Period Level consumption data in kWh.

What are unmetered supplies?

An Unmetered Supply is any electronic equipment that draws a current and is connected to the Distribution Network without a meter recording its energy consumption. For example, this equipment could be any electrical equipment that draws a current and is connected to the Distribution Network without a meter, i.e. there is no meter recording its energy consumption, e.g. street lights, traffic signs, zebra crossings, etc. Each piece of unmetered equipment is listed on a Detailed Inventory with an associated Charge Code and Switch Regime.

What are Charge Codes and Switch Regimes?

Market Standing Data (MSD) contains valid Charge Codes and Switch Regimes for unmetered equipment. A Charge Code is a 13 digit number which represents a specific type of UMS equipment. It is used to look up the power value (known as circuit watts) associated with the equipment and used to calculate the consumption. The Charge Code itself also contains information in its structure. The first two digits (first three digits for miscellaneous equipment) provide an indication of the type of equipment, for instance whether it is a light-emitting diode (LED) street light or a high pressure sodium lamp.

Switch Regimes are three character alpha-numeric codes that determine the operating hours for equipment. This information together with the power information obtained from the Charge Code allows Settlement Period Consumption Data (kWh) to be calculated.

The detailed structures and processes are explained in the [Operational Information Document \(OID\)](#).

What is a detailed UMS Inventory?

The Customer provides the UMSO with a Detailed Inventory which contains all the information associated with the UMS equipment. It includes the type of equipment, its location, Charge Code and Switch Regimes. The UMSO will validate the Detailed Inventory against the Market Standing data which specifies the valid Charge Codes, Switch Regimes, and their combinations.

What is an Unmetered Supplies Summary Inventory and Control file?

A Summary Inventory is a version of the detailed inventory. It contains less information than the detailed inventory, which pinpoints the exact location of the UMS equipment. The Summary Inventory provides the quantities of each Charge Code and Switch Regime combination for non-CMS controlled equipment. A CMS Control file is created for all CMS controlled equipment. The UMSO provides the UMS Summary Inventory and/or Control file to the UMSDS.

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What are the timescales?

The service will operate to meet the agreed settlement timetable. Customers will update their detailed inventories from time to time as UMS equipment is connected or disconnected from the Distribution network. Each time the UMSO will validate the detailed inventory and provide a Summary Inventory and/or Control file to the UMSDS.

Service Summary:

This service will be responsible for:

- receiving detailed inventory information from the customer;
- validating inventory against Market Standing Data;
- providing Summary inventory data to the UMSDS; and
- responding to queries about the data.