

Report Guide: INV018 Deployed Products List



Document Control

Revision History

Revision Date	Summary of Changes	Changes Marked	Version Number
18/04/17	Published	N	V1.0
26/07/19	Published	N	V2.0
02/09/19	Published	N	V3.0

1 The Guide Explained

1.1 Who is it for?

This guide is for users of the Deployed Products List report.

1.2 Why do you need it?

The guide describes the contents and format of the INV018 Deployed Products List.

1.3 How to use it?

This guide is designed to provide a summary of the report for those that may not be in receipt of the report or to provide additional context whilst reading the report.

2 About INV018 Deployed Products List

The Deployed Products List Report is produced in accordance with the Smart Energy Code (Section F2.10) and lists all the unique combinations of Devices that have been successfully deployed by Users.

In accordance with the SEC, a Smart Metering System includes any Type 1 Device. The obligation requires that the Deployed Products List must also include any Type 2 Devices that are associated with Smart Metering Systems. Therefore for the purposes of INV018, a Configuration Set is defined as being a unique combination of Device Models that have been deployed in the commissioning of a Smart Metering System; where the Devices shall include Electricity Smart Meters(s), Gas Smart Meter(s), Communications Hub Functions and any other Type 1 Device(s) and Type 2 Device(s).

The report shall be in the format of a CSV file to enable consumers of the report to sort and filter the data.

Each row shall contain the Device Model details of the Communications Hub, the Smart Meter and one of the Associated Devices in the Configuration Set; enabling consumers of the report to understand which Associated Devices have been successfully deployed with specific Communications Hub Device Models and Smart Meter Device Models.

The report shall contain data from the Smart Meter Inventory on a single calendar day; the Measurement Date.

2.1 Summary

	Description
Catalogue Title	Twice -Weekly Deployed Products List Data
Catalogue Reference	INV018
Report File Name	<Measurement Date>_DCCDeployedProductsList
A Single Report or Multiple Report Pack	Single
Description	A report to meet the following obligation F2.10 The DCC shall create, keep reasonably up-to-date and provide to the Panel (and the Panel shall publish on the Website) a list of all the combinations of different Device Models that comprise a Smart Metering System (together with associated Type 2 Devices) that exist from time to time (to the extent recorded by the Smart Metering Inventory).
Obligation Reference(s)	SEC_F_F2.10
Reports Produced	1(one)
Production Cycle	Twice Weekly

Self Service Enabled	No
Format	CSV

2.2 Distribution

This report shall be published by the Panel on to the Smart Energy Code website.

2.3 Data Classification

The report is classified as DCC Public unless otherwise stated in the individual instance of the report. The data classification is embedded within the file name for the CSV file.

2.4 Business Terms

The list of business terms used within this specification includes;

Business Term	Commentary
Associated Device	For the purposes of this specification, a Device that forms part of the Configuration Set other than the Communications Hub and the Electricity Smart Meter or Gas Smart Meter that forms the Smart Metering System.
Associated Device Model	For the purposes of this specification, the Device Model of the Associated Device.
Configuration Set	For the purposes of this specification, a Configuration Set is a unique combination of Device Models which represent a functioning Smart Metering System and their Type 2 Devices; where the Devices included in the Configuration Set shall be a Electricity or Gas Smart Meter(s), a Communications Hub and any other Type 1 Device(s) and Type 2 Devices, other than a Communications Hub Function or Gas Proxy Function.
Device (as defined in the SEC)	means one of the following individual devices: (a) an Electricity Smart Meter; (b) a Gas Smart Meter; (c) a Communications Hub Function; (d) a Gas Proxy Function; (e) a Pre-Payment Meter Interface Device; (f) a HAN Connected Auxiliary Load Control Switch; and (g) any Type 2 Device.

Device Model (as defined in the SEC)	<p>means, in respect of a Communications Hub or a Device (other than a Communications Hub Function or a Gas Proxy Function), the Manufacturer, the model, the hardware version and the firmware version.</p> <p>Note: Communications Hubs are not held in the Smart Meter Inventory, both the Communications Hub Function (CHF) and the Gas Proxy Function (GPF) that form the Communications Hub are in the Smart Meter Inventory and inherit the Device Model from the Communications Hub. For the purposes of this report, the CHF or GPF Device Model in the Smart Meter Inventory shall be used as a proxy for the Communications Hub Device Model.</p>
ESME (as defined in the SMETS)	<p>means Electricity Smart Metering Equipment.</p>
GSME (as defined in the SMETS)	<p>means Gas Smart Metering Equipment.</p>
MPAN (as defined in the SEC)	<p>means, in respect of a Smart Metering System (or Electricity Meter), the Supply Number (or each of the Supply Numbers) allocated under the MRA to the Metering Point(s) at which the import or export of electricity is recorded by that Smart Metering System (or Electricity Meter).</p>
MPRN (as defined in the SEC)	<p>means, in respect of a Smart Metering System (or Gas Meter), the Supply Meter Point Reference Number allocated by the relevant Gas Network Party to the Supply Meter Point at which the supply of gas is recorded by that Smart Metering System (or Gas Meter).</p>
Smart Metering Inventory (as defined in the SEC)	<p>means an electronic database of Devices which records (as a minimum) the following information in respect of each Device:</p> <ul style="list-style-type: none"> (a) its Device Type; (b) its Device ID; (c) its Device Model (provided that no firmware version is needed for Type 2 Devices); (d) for Devices other than Type 2 Devices, its SMI Status, and the date from which that status has applied; (e) for Devices other than Type 2 Devices, its SMI Status history; (f) where it is a Smart Meter which has been installed, the related MPAN or MPRN and the

<p>Smart Metering System (as defined in the SEC)</p>	<p>Communications Hub Function with which that Smart Meter is associated; and (g) where it is a Device (other than a Smart Meter or a Communications Hub Function), the Smart Meter or Gas Proxy Function with which that Device is associated.</p>
<p>Type 2 Devices (as defined in the SEC)</p>	<p>means either: (a) an Electricity Smart Meter together with the Communications Hub Function with which it is Associated, together with the Type 1 Devices (if any) that may from time to time be Associated with that Electricity Smart Meter; or (b) a Gas Smart Meter together with the Communications Hub Function with which it is Associated and an Associated Gas Proxy Function, together with the Type 1 Devices (if any) that may from time to time be Associated with that Gas Proxy Function.</p>
	<p>means a Device that does not store or use the Security Credentials of other Devices for the purposes of communicating with them via its HAN Interface.</p>

3 Report Content

3.1 Header Row

There shall be a header row which includes the column names, separated by commas to indicate the content of the data rows.

3.2 Footer Row

There shall be no footer row.

3.2.1 Data Rows

The CSV file shall contain the following columns of data as defined below.

Column	Description	Data Type
Measurement Date	The date the data used to compile the list was extracted from the source system	YYYYMMDD
Configuration Set Index	An incremental index to enable Device Model Combinations to be grouped as a unique Configuration Set	Integer
Comms Hub Device Type	The Communications Device Type associated with ESME or GSME. I.E Comms Hub Function (CHF) or Gas Proxy Function (GPF).	String(3)
Comms Hub Model	The Device Model of the Comms Hub Function associated with ESME or Gas Proxy Function Associated to GSME.	String(30)
Comms Hubs Firmware Version	The firmware version of the Communications Hub	String(10)
Comms Hub Manufacturer	The Manufacturer ID of the Manufacturer of the Communications Hub Device Model	String(100)
Smart Meter Device Type	Device Type of the Smart Meter	String(6) – "ESME", "GSME"
Smart Meter Model	The Device Model of the Electricity Smart Metering Equipment (ESME) or Gas Smart Metering Equipment (GSME) in the Configuration Set comprising the Device Model Identifier, the Device Model Hardware Version and Device Model	String(30)

	Revision as supplied by the Certified Products List	
Smart Meter Firmware Version	The firmware version of the ESME/GSME	String(10)
Smart Meter Manufacturer	The Manufacturer ID of the ESME/GSME	String(100)
Associated Device Type	The Device Type of the Associated Device in the Configuration Set	String(6) – "HCALCS", "PPMID", "IHD", "CAD" Or any other Type 1 or Type 2 Device Type recorded in the DCC Systems
Associated Device Model	The unique identifier for the Associated Device Model. The unique identifier is comprised of the Device Model Identifier, the Device Model Hardware Version and Device Model Revision as supplied by the Certified Products List	String(30)
Associated Device Firmware Version	The firmware version of the Device	String(10) or null
Associated Device Manufacturer	The Manufacturer Name/ID	String(100)

3.3 Business rules

Configuration Sets

Each Configuration Set shall be identified in the report using a Configuration Set Index. The Configuration Set Index is relevant to the instance of each report only and is not transferable across reports; it is effectively a count.

The data shall be grouped by each Communications Hub Device Model; therefore the Configuration Set Index shall be determined as each Configuration Set for each Communications Hub Device Model is identified.

Electricity and Gas Smart Metering Systems shall be reported as separate Configuration Sets.

Communications Hub Device Model

The report shall contain a row of data for each Associated Device Model that makes up part of a Configuration set.

The CHF and GPF do not have a Device Model in accordance with SEC; however the Device Model for the CHF or the GPF shall be used to determine the Communications Hub Device Model in the report.

Sort Order

The data shall be sorted by Measurement Date, Configuration Set Index then Communications Hub Device Model.

3.3.1 Exclusions

Only Smart Meter Systems that include a Communications Hub Function that has been commissioned shall be included.