

Appendix - UMSUG paper – Changes to the Standard Inventory Format – Redlined text

8 Standard file format for detailed inventories

Customers should maintain an inventory of their unmetered equipment to enable them to populate a file with the data described in this section. Where typical unmetered equipment is supplied by a metered feeder pillar then this should be recorded in the inventory system and not included within the inventory submitted to the UMSO. Otherwise the consumption will be charged for twice.

Customers may have equipment connected to more than one Distribution Network. It is therefore important that the inventory identifies which Network Operator is providing the connection for each item of unmetered equipment, so that the inventory can be submitted to the correct UMSO (see also Field 16 of the Standard Inventory Format and the explanatory notes).

8.1 General comments

The inventory shall be submitted either as a fixed format text file, a spreadsheet compatible with Excel, or as a comma separated file with a line for each item of inventory. [The data, with the originator clearly identified, shall be attached to an email.](#)

Submissions made as a comma separated file should be checked carefully to ensure formatting includes leading zeros as necessary [and as described in the notes at 8.3. Unless noted below the field lengths apply to fixed format text files only, e.g. No. of items does not need leading zeros in a spreadsheet or CSV file.](#)

The file format below is that which shall be supplied by the Customer or as otherwise agreed with the UMSO. The file format shall contain, as a minimum, the following information:

- a) a list of items of unmetered equipment providing a unique identification and geographical location of each item;
- b) the number of items of each category of unmetered equipment, classified by Charge Code and Switch Regime. Items not able to be so classified shall be identified and quantified separately;
- c) the nominal rating for each Charge Code shall be indicated; and
- d) the Switch Regime for each UMS equipment. Items not able to be so classified shall be identified separately.

For the purposes of this Unmetered Supplies Operational Information Document, reference to the Summary Inventory means only the summarised information identified in (b), (c) and (d) above.

8.2 Standard file format

Field No.	Name	Details Required	Type	Length	Start Position	Finish Position
1	Road Reference	e.g. Ordnance Survey Number	Text	8	1	8
2	Town, Parish, District		Text	30	9	38
3	Road Name		Text	30	39	68
4	Location		Text	20	69	88
5	Unit Type	Identifies the record as a lamp or a sign, etc. B = bollard; F = school crossing flashers; L = street light; M = miscellaneous; P = pillar; R = Refuge Beacon; S = sign light; T = traffic signal equip; Z = Belisha Beacon (Zebra)	Text	1	89	89
6	Unit Identity	Identity shown on unit (if any)	Text	12	90	101
7	CMS Unit Reference	Unique alphanumeric identifier of the CMS Unit (if applicable)	Text	12	102	113
8	Charge Code	Appropriate BSCP520 code	Numeric	13	114	126
9	No. of Items	Number of items of this Charge Code at this location	Numeric	3	127	129
10	Switch Regime	Appropriate BSCP520 code	Alpha-Numeric	3	130	132
11	No. of Controls	Number of PECs or time switches on the item	Numeric	1	133	133
12	Control Charge Code	Appropriate BSCP520 code for the control device	Numeric	13	134	146

Field No.	Name	Details Required	Type	Length	Start Position	Finish Position
13	Ordnance Survey Grid ref or 'Easting' or Longitude	This can be either in Longitude or Easting	Text	11	147	157
14	Ordnance Survey Grid ref or 'Northing' or Latitude	This can be either in Latitude or Northing	Text	11	158	168
15	Exit Point (Optional)	Y if Yes, N if No, U if Unknown	Text	1	169	169
16	Distributor (Optional)	First two digits of the MPAN Core associated with the inventory and Distributor Market Participant ID	Alpha-Numeric	6	170	175
<u>17</u>	<u>Sub-meter</u>	<u>Sub-meter ID</u>	<u>Alpha-Numeric</u>	<u>7</u>	<u>176</u>	<u>182</u>

~~The data, with the originator clearly identified, shall be attached to an email. It may be a compressed .ZIP file but NOT a 'self-extracting .EXE' archive.~~

8.3 Notes on standard inventory format

This format has been developed to provide the information required for the operation of BSCP520 and the auditing requirements of Distribution Businesses in a standard way. It is expected to be of particular benefit to Customers with unmetered equipment in more than one Distribution Licence area and to suppliers of inventory software who wish to provide a standard extract package for their Customers.

It is NOT intended to supersede existing arrangements where both the Customer and the Distribution Business agree to continue with a different format.

Field 1 Road Reference

National Street Gazetteer Unique Street Reference Number is the preferred format because it provides a better location than the combination of road name and town. It is also a very useful sort field when checking for duplicate records.

NSGIR codes are not available for motorways so the motorway reference shall be used e.g. M42, A1(M)

Field 3 Road Name

In the case of Motorways this will be the Motorway reference number e.g. M42, A1(M)

Field 5 Unit Type

B = bollard	F = school crossing flasher	L = street light
M = miscellaneous	P = pillar	R = refuge beacon
S = sign light	T = traffic signal equip	Z = zebra crossing

Field 7 CMS Unit Reference

Where this field is populated, the Switch Regime code in Field 10 shall be reported as either 998 or 999. [Where the Unit Reference is less than 12 characters, leading zeros will be used to fully populate the field. As per BSCP520 the first character of the reference shall not be a "H" or "T".](#)

Field 8 Charge Code

[Where the Charge Code begins with zero, the inventory file must include the leading zero. The field must not be blank.](#)

Field 9 No. of Items

[Must not be zero or blank.](#)

Field 10 Switch Regime

[Where the Switch Regime begins with zero, the inventory file must include the leading zero. The field must not be blank.](#)

Field 11 No. of Controls

[If no controls are fitted, the entry can be zero or blank.](#)

In the case of isolation pillars which only contain a time control device and no other load consuming device then the number of time control devices shall be entered here and the appropriate [Control Charge Code](#) in field 12. [The Control Host Charge CodeZerøes](#) shall be entered in fields 8, [with an appropriate &No. of Items in field 9.](#)

Field 12 Control Charge Code

[If no controls are fitted, the entry can be zero or blank.](#)

Fields 13, 14 Grid References or Latitude and Longitude [\(Optional\)](#)

Data ~~can is to~~ be inserted in these fields when available. The increasing use of GPS equipment provides very accurate location data which may supplement or be in addition to the location in Field 4.

Field 15 [Exit Point \(Optional\)](#)

A 'Y' identifies if the equipment is connected directly to the Distribution network, a 'N' indicates fed via some private distribution network, i.e. a sign light looped from a lighting column, or column fed from private distribution cables.

Field 16 [Distributor \(Optional\)](#)

Where agreement has been reached to include Apparatus connected to the embedded network(s) of more than one Distributor in a single combined inventory, this identifies which Network Operator (Distributor) owns the connection. The first two characters will be the first two digits of the MPAN Core (i.e. the Distributor Identifier or 'short code') associated with the inventory. The last four characters will be the Market Participant Identifier (MPID) for the embedded Distributor.

Example: If a council had Apparatus connected to an embedded network in the South Eastern Power Networks distribution area, the first two digits of this field would be '19'. If that embedded network was operated by ESP Electricity Ltd (MPID: LENG), then the Apparatus would have an entry in the inventory of '19LENG'.

Note: All Distributors' MPIDs can be found in the list of Qualified Persons on the BSC Website: [List of Qualified Persons Spreadsheet](#).

Field 17 [Sub-Meter \(Optional\)](#)

[Where the Customer wishes a sub-meter to be used by the Equivalent Meter to split the half hourly energy data, the sub-meter agreed with the Meter Administrator shall be entered here.](#)