

Market Code Schedule 22
Code Subsidiary Document No. 0302
Standing Reports and Data Extracts

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Change History

Version Number	Date of Issue	Reason For Change	Change Control Reference	Sections Affected
1.0	2009-12-15	Initial Issue	MCCP027	
2.0	2011-11-08	Addition of NAPS Report	MCCP086	New Section 3
2.1	2012-04-01	Introduction of Deregistration	MCCP052, MCCP079	Sections 2.5 and 3
3.0	12/04/2013	Trade Effluent	MCCP095	
<u>4.0</u>	<u>2014-03-21</u>	<u>Meter Networks</u> <u>Meter-DPID Associations</u> <u>Info to SW</u>	<u>MCCP128</u> <u>MCCP129</u> <u>MCCP131</u>	<u>Sections 2 and 3</u>

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1. Purpose and Scope

The purpose of this Code Subsidiary Document is to define the recipients, timetable, content and specification of standing reports and data extracts provided by the CMA on a systematic basis. The specifications will enable recipients to design tools and procedures to use the information provided.

2. Market Dataset

2.1 Introduction

The CMA shall provide the Market Dataset (MDS) to Trading Parties to provide detailed information about Supply Points and associated data. Each release of the MDS comprises ~~five~~seven sets of data:

- Water SPIDS;
- Sewer SPIDS;
- Meters;
- ~~DPIDs;~~
- Meter-DPID Associations;
- Meter Networks and
- Meter Readings.

2.2 Timetable and Distribution

The CMA shall provide the Report each day via the LVI. A monthly version of the report will also be provided via the LVI on the first day of each month. Each monthly report will be held and be available for three months via the LVI. The CMA shall also provide the above on a secure data storage area for Trading Parties, on request.~~use reasonable endeavours to extract the MDS from the Supply Point Register between the end of the last Business Day of a Month and the start of the first Business Day of the next Month. In any event, the CMA shall extract the MDS from the Supply Point Register as soon as is reasonably practical after the end of the Month.~~

~~Distribution:~~

- ~~• Within ten Business Days of the end of the Month the CMA shall place the MDS for the Month on a secure data storage area. Trading Parties may collect the MDS anytime up to one year from the end of the Invoice Period;~~
- ~~• The distribution method may be redefined by the CMA from time to time. The CMA shall use reasonable endeavours to advise Trading Parties one month in advance of any change.~~

2.3 Extraction Rules

The extraction rules are:

- **SPIDS:** For both Water and Sewerage SPIDs all SPIDs that:

- Held “Tradable” or “De-registered” status in the Central System at any time before the Go Live Date or have been connected on or after the Go Live Date and
 - the SPID data is “complete & consistent” in accordance with CSD0101 (Registration: New Connections and New supply Points);
- **Meters:** The meters associated with the above SPIDs that are currently operational. This excludes meters associated with the above SPIDs which have been removed or swapped out in accordance with CSD0104 (Maintain SPID Data)¹;
 - **Meter Readings:** All meter readings for the above meters. For the avoidance of doubt this includes interpolated meter rollover readings inserted by the CMA; and
 - DPIDs: All DPIDs that have been created and not discontinued.
 - Meter-DPID Associations: All live Meter-DPID Associations and their effective dates
 - Meter Network Associations: All live Meter Network Associations and their effective dates.

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2.4 File Structure

The MDS contains five seven files with the structured filenames in the format X3nxxxx_YYYYMMDD where YYYYMMDD is the date the file was created and the X3nxxxx defines the file type as listed below:

- X31WSPID: Water SPIDs;
- X32SSPID: Sewer SPIDs;
- X33Meter: Meters;
- X34DPID: DPIDs; and
- X35READS: Meter Readings.

¹ ~~There are recognised issues that not all meters are extracted; this includes the known faults that (i) meters that have a null YVe are not reported and (ii) some (but not all) meters which are part of a meter network are not reported. Once these faults are remedied this footnote will no longer apply~~

- [X36METERNETWORKS: Meter Network Associations](#)
- [X37METERDPIDs: Meter DPID Associations](#)

The field separator is the pipe character "|". Fields are not separated by quotation marks; though quotation marks may occasionally be found in data fields. The first line of each file contains the field names.

The file structures are set out below. The X31, X32, X33 and X34 files all have the same address block which is detailed once at the end of this section.

2.5 Detailed Record Content

X31 Water SPIDS

Field	Type	Opt	Notes
D2001_SPID	nvarchar(12)	M	
<u>D4001_OrigID</u>	<u>varchar(6)</u>	<u>M</u>	
D2002_ServiceCategory	decimal(1,0)	M	Always 1
D2003_Schedule3	decimal(5,2)	M	
D2004_ExemptCustomerFlag	decimal(1,0)	M	0 for false 1 for true
D2005_CustomerClassification	nvarchar(3)	M	Values include "LIC", "SST", "NA"
D2006_29e	decimal(5,2)	M	
D2007_LargeVolAgreement	decimal(1,0)	M	0 for false 1 for true
D2008_SICCode	nvarchar(16)	O	
D2011_RateableValue	decimal(12,2)	M	
D2014_FarmCroft	nvarchar(5)	M	Values include "FARM", "CROFT", "NA"
D2015_SPIDVacant	decimal(1,0)	M	0 for false 1 for true
D2018_TroughsDrinkingBowls	decimal(3,0)	M	
D2019_WaterServicesToCaravans	decimal(3,0)	M	
D2020_OutsideTaps	decimal(3,0)	M	
D2022_TransitionalArrangements	decimal(1,0)	M	0 for false 1 for true
D2024_Unmeasurable	decimal(1,0)	M	0 for false 1 for true
D2025_NotifyDisconnection/Reconnection	nvarchar(5)	M	Values include "REC", "PDISC", "D E REG", "TDISC"
D2026_EWA	decimal(18,2)	O	
<u>D2027_CustomerName</u>	<u>nvarchar(255)</u>	<u>M</u>	
Address Block			Specified below

X32 Sewerage SPIDS

Field	Type	Opt	Notes
D2001_SPID	nvarchar(12)	M	
<u>D4001_OrgID</u>	<u>varchar(6)</u>	<u>M</u>	
D2002_ServiceCategory	decimal(1,0)	M	Always 2
D2003_Schedule3	decimal(5,2)	M	
D2004_ExemptCustomerFlag	decimal(1,0)	M	0 for false 1 for true
D2005_CustomerClassification	nvarchar(3)	M	Values include "LIC", "SST", "NA"
D2006_29e	decimal(5,2)	M	
D2007_LargeVolAgreement	decimal(1,0)	M	0 for false 1 for true
D2008_SICCode	nvarchar(16)	O	
D2011_RateableValue	decimal(12,2)	M	
D2012_SurfaceArea	decimal(18,2)	M	
D2015_SPIDVacant	decimal(1,0)	M	0 for false 1 for true
D2016_PropertyDrainage	decimal(1,0)	M	0 for false 1 for true
D2017_RoadDrainage	decimal(1,0)	M	0 for false 1 for true
D2021_SewerageServicesToCaravans	decimal(3,0)	M	
D2022_TransitionalArrangements	decimal(1,0)	M	0 for false 1 for true
D2024_Unmeasurable	decimal(1,0)	M	0 for false 1 for true
D2025_NotifyDisconnection/Reconnection	nvarchar(5)	M	Values include "REC", "PDISC", "DEREG", "TDISC"
D2026_EWA	decimal(18,2)	O	
<u>D2027_CustomerName</u>	<u>nvarchar(255)</u>	<u>M</u>	
Address Block			Specified below

X33 Meters

Field	Type	Opt	Notes
D3001_MeterId	nvarchar(32)	M	
D2001_SPID	nvarchar(12)	M	
D4001_OrgID	varchar(6)	M	
D2027_CustomerName	nvarchar(255)	M	
D3002_ChargeableMeterSize	decimal(4,0)	M	
D3003_PhysicalMeterSize	decimal(4,0)	M	
D3004_NrDigits	decimal(2,0)	M	
D3005_SewerageChargeableMeterSize	decimal(4,0)	M	
D3007_ReturnToSewerAllowance	decimal(5,2)	M	
D3011_MeterReadFrequency	nvarchar(1)	M	Values include "B", "M" and "N"
D3013_MeterMake	nvarchar(32)	O	
D3014_ManufacturerMeterSerialNr	nvarchar(32)	O	
D2010_Yve	decimal(13,0)	M	
D3022_MeterTreatment	nvarchar(16)	M	
Address Block			Specified below

X34 DPIDs

Field	Type	Opt	Notes
D6001_DPID	nvarchar(32)	M	
D2001_SPID	nvarchar(12)	M	
D4001_OrgID	varchar(6)	M	
D2027_CustomerName	nvarchar(255)	M	
D6003_CDV	decimal(18,8)	M	
D6004_sBODL	decimal(18,8)	M	
D6005_TSSL	decimal(18,8)	M	
D6006_Ot	decimal(18,8)	M	
D6007_St	decimal(18,8)	M	
D6009_Non-domesticAllowance	decimal(9,0)	M	
D6010_SDTIndicator	decimal(1,0)	M	0 for false 1 for true
D6011_TETreatment	nvarchar(11)	M	
D6012_PcentAllowance	decimal(5,2)	M	
D6013_FixedAllowance	decimal(18,2)	M	
D2003_Schedule3	decimal(11,8)	M	

Address Block			Specified below
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Address Block used in X31-X34

Field	Type	Opt	Notes
D5001_FreeDescriptor	nvarchar(255)	O	
D5002_SubBuildingName	nvarchar(30)	O	
D5003_BuildingName	nvarchar(50)	O	
D5004_BuildingNumber	nvarchar(4)	O	
D5005_DependentThoroughfareName	nvarchar(60)	O	
D5006_DependentThoroughfareDescriptor	nvarchar(20)	O	
D5007_ThoroughfareName	nvarchar(60)	O	
D5008_ThoroughfareDescriptor	nvarchar(20)	O	
D5009_DoubleDependentLocality	nvarchar(35)	O	
D5010_DependentLocality	nvarchar(35)	O	
D5011_PostTown	nvarchar(30)	O	
D5012_County	nvarchar(30)	O	
D5013_Postcode	nvarchar(8)	O	
OUTCODE	nvarchar(4)	O	
INCODE	nvarchar(3)	O	

X35 Meter Reads

Field	Type	Opt	Notes
D2001_SPID	nvarchar(12)	M	
D3001_MeterId	nvarchar(32)	M	
D3009_MeterReadDate	nvarchar(10)	M	Format : yyyy-mm-dd
D3008_MeterRead	decimal(13,0)	M	
D3010_MeterReadType	nvarchar(1)	M	

X36 Meter Network

<u>Field</u>	<u>Type</u>	<u>Opt</u>	<u>Notes</u>
<u>D3027_MainMeterId</u>	<u>nvarchar(32)</u>	<u>M</u>	
<u>D2035_Main SPID</u>	<u>nvarchar(12)</u>	<u>M</u>	
<u>D3006_SubMeterID</u>	<u>nvarchar(32)</u>	<u>M</u>	
<u>D2036_Sub SPID</u>	<u>nvarchar(12)</u>	<u>O</u>	

<u>D4006_EffectiveDate</u>	<u>nvarchar(10)</u>	<u>M</u>	<u>Format : yyyy-mm-dd</u>
<u>D3026_MeterNetworkAssociation</u>	<u>decimal(1,0)</u>	<u>M</u>	<u>0 for false</u> <u>1 for true</u>

X37 Meter-DPID Associations

<u>Field</u>	<u>Type</u>	<u>Opt</u>	<u>Notes</u>
<u>D2001_SPID</u>	<u>nvarchar(12)</u>	<u>M</u>	
<u>D3001_MeterID</u>	<u>nvarchar(32)</u>	<u>M</u>	
<u>D6001_DPID</u>	<u>nvarchar(32)</u>	<u>M</u>	
<u>D3024_MDVol</u>	<u>decimal(5,2)</u>	<u>M</u>	
<u>D4006_EFD</u>	<u>nvarchar(10)</u>	<u>M</u>	<u>Format: yyyy-mm-dd</u>

Explanation of notation:

Type	<p>Nvarchar(X) is a field containing character data possibly numerics with maximum length X.</p> <p>Decimal(x,y) is a numeric field with a maximum of x digits with a maximum of y digits after the decimal place. Hence maximum space is number of digits plus decimal place and possible leading minus sign.</p>
Opt	<p>M is Mandatory</p> <p>O is Optional</p>

3. New and Partial SPIDs Report

3.1 Introduction

The CMA shall provide the Trading Parties (TP) with the New and Partial SPIDs report (NAPS) which contains comprehensive information about the respective Supply Point Core. Each TP shall receive an individual report which accommodates for the TP's relevant data.

3.2 Timetable and Distribution

The CMA ~~shall use reasonable endeavours to extract the NAPS within the first 10 Business Days of the month, shall provide the Report each day via the LVI. The distribution of NAPS will strictly follow the same method as the distribution for the Market Dataset (see 2.2). A monthly version of the report will also be provided via the LVI on the first day of each month. Each monthly report will be held and be available for three months via the LVI. The CMA shall also provide the above on a secure data storage area for Trading Parties, on request.~~

3.3 Extraction rules

Each SPID core is associated with either

- a water SPID;
- a sewerage SPID; or
- a related water and sewerage SPID pair.

Information is extracted in respect of each SPID associated to a SPID core where any SPID associated with that SPID core is either 'new' or 'partial'.

Information	SWW report	LP report
SPID core	Yes	Yes
Water and / or sewerage service	Yes	Yes
Water SPID	Yes	Yes
Water SPID status	Yes	Yes
Water SPID connection date	Yes	Yes
Water SPID disconnection date	Yes	Yes
Water SPID earliest metering programme date	Yes	Yes
Water SPID earliest positive rateable value date	Yes	Yes
Water SPID earliest rateable value based service element date	Yes	Yes
Water SPID earliest none rateable value based service element date	Yes	Yes
Sewerage SPID	Yes	Yes

Sewerage SPID status	Yes	Yes
Sewerage SPID connection date	Yes	Yes
Sewerage SPID disconnection date	Yes	Yes
Sewerage SPID earliest metering programme date	Yes	Yes
Sewerage SPID earliest positive rateable value date	Yes	Yes
Sewerage SPID earliest rateable value based service element date	Yes	Yes
Sewerage SPID earliest none rateable value based service element date	Yes	Yes
Customer ID Name	Yes	Yes
Water SPID licensed provider	NoYes	Only for respective LP
Sewerage SPID licensed provider	NoYes	Only for respective LP

3.4 File Structure

Each NAPS report has the following filename: <TP>-naps-<yyyy>-<mm>.csv. The data set is comma separated. The first line is the header line; subsequent lines contain the detailed information.

3.5 Detailed Record Content

Field name	Explanation	Type	Notes
Spid_core	SPID core	Int	
Water_or_sewerage_service	Denotes what kind of supply point: water only, sewerage only or both water and sewerage	Text	Values are: 'water', 'sewerage', 'water and sewerage'
W_spid	Water SPID	Nvarchar(12)	'n/a' if there is none
W_spid_status	Status of water SPID	Text	Values are: 'new', 'partial', 'tradable', 'disconnected', 'rejected', 'temp disconnection', 'deregistered', 'n/a'
W_connection_date	Date of water SPID connection	Date	yyyy-mm-dd; or 'n/a'
W_disconnection_date	Date of water SPID disconnection	Date	yyyy-mm-dd; or 'n/a'

W_earliest_ti_flag_date	Date of the earliest metering programme on a water SPID	Date	yyyy-mm-dd; or 'n/a'
W_earliest_pos_rv_date	Date of the earliest positive rateable value on a water SPID	Date	yyyy-mm-dd; or 'n/a'
W_earliest_rv_based_se_date	Date of the earliest rateable value based service element on a water SPID	Date	yyyy-mm-dd; or 'n/a'
W_earliest_non_rv_based_se_date	Date of the earliest non rateable value based service element on a water SPID	Date	yyyy-mm-dd; or 'n/a'
S_spid	Sewerage SPID	Nvarchar(12)	'n/a' if there is none
S_spid_status	Status of sewerage SPID	Text	Values are: 'new', 'partial', 'tradable', 'disconnected', 'rejected', 'temp disconnection', 'deregistered', 'n/a'
S_connection_date	Sewerage SPID connection date	Date	yyyy-mm-dd; or 'n/a'
S_disconnection_date	Sewerage SPID disconnection date	Date	yyyy-mm-dd; or 'n/a'
S_earliest_ti_flag_date	Date of the earliest metering programme on a sewerage SPID	Date	yyyy-mm-dd; or 'n/a'
S_earliest_pos_rv_date	Date of the earliest positive rateable value on a sewerage SPID	Date	yyyy-mm-dd; or 'n/a'

S_earliest_rv_based_se_date	Date of the earliest rateable value based service element on a sewerage SPID	Date	yyyy-mm-dd; or 'n/a'
S_earliest_non_rv_based_se_date	Date of the earliest non rateable value based service element on a sewerage SPID	Date	yyyy-mm-dd; or 'n/a'
Customer_name	Whether SPID core has a customer name	Text nvarchar(255)	Values are: 'present', 'none'. Same as the <u>D2027_CustomerName</u> used when sending messages to CMA; NULL if no Customer.
W_lp	LP of water SPID	Text	Same as the D1005_SenderOrgId used when sending messages to CMA; 'n/a' if no water SPID; 'xxxx' if SPID belongs to different LP
S_lp	LP of sewerage SPID	Text	Same as the D1005_SenderOrgId used when sending messages to CMA; 'n/a' if no sewerage LP; 'xxxx' if SPID belongs to different LP