

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 |
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| 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 |
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| 4.0 | 2014-03-21 | Meter Networks Meter-DPID Associations Info to SW | MCCP128 MCCP129 MCCP131 | Sections 2 and 3 |
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| 6.0 | 2016-03-18 | MDS Additional Reporting | MCCP178 | Section 2 |
| 7.0 | 2016-10-31 | Scottish Landlord Portal | MCCP188-CC | New Section 4 |
| 8.0 | 2017-03-16 | Live RV and Consumption Indicator | MCCP201 MCCP207-CC | Section 2 |

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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 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.

2.3 Extraction Rules

The extraction rules are:

- **SPIDS:** For both Water and Sewerage SPIDs all SPIDs that:
 - Held “Tradable” 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 have a status of Pending or Active (X33 and X35), or have a status of Swapped or Discontinued (X38 and X39);
- **Meter Readings:** All meter readings for the above meters. For the avoidance of doubt this includes interpolated meter rollover readings inserted by the CMA

Readings for Active meters are given in the X35 report and those for Swapped and Discontinued meters are given in the X39 report; 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.

2.4 File Structure

The MDS contains nine 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.
- X36METERNETWORKS: Meter Network Associations
- X37METERDPIDs: Meter DPID Associations
- X38SwapDiscMeters: Swapped and Discontinued Meters
- X39SwapDiscReads: Swapped and Discontinued Meter Readings;

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, X34 and X38 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 | |
| D4001_OrgID | varchar(6) | M | |
| 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 | |
| D2042_LiveRateableValue | decimal(12,2) | M | |
| D2013_ConnectionDate | Date | M | Format is 'yyyymmdd' |
| D2014_FarmCroft | nvarchar(5) | M | Values include "FARM", "CROFT", "NA" |
| D2015_SPIDVacant | decimal(1,0) | M | 0 for false 1 for true |
| Consumption Indicator | 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 |
| D2023_NewConnectionType | nvarchar(3) | O | Values include "NEW", "CU", "GS" |
| D2024_Unmeasurable | decimal(1,0) | M | 0 for false 1 for true |
| D2025_NotifyDisconnection/Reconnection | nvarchar(5) | M | Values include "REC", "PDISC", "DREG", "TDISC" |
| D2026_EWA | decimal(18,2) | O | |
| D2027_CustomerName | nvarchar(255) | M | |
| D2029_MeteredBldgWaterflag | decimal(1,0) | M | 0 for false 1 for true |
| D2031_VacancyChangeFlag | decimal(1,0) | M | 0 for false |

| | | | |
|-----------------------------|---------------|---|---|
| | | | 1 for true |
| D2032_Ipchallengedflag | decimal(1,0) | M | 0 for false 1 for true |
| D2041_PcentExemption | decimal (5,2) | O | 100.00 or 50.00 when D2004 is TRUE else blank |
| D4002_RegistrationStartDate | Date | M | Format is 'yyyymmdd' |
| Address Block | | | Specified below |

X32 Sewerage SPIDS

| Field | Type | Opt | Notes |
|--|---------------|-----|---|
| D2001_SPID | nvarchar(12) | M | |
| D4001_OrgID | varchar(6) | M | |
| 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 | |
| D2042_LiveRateableValue | decimal(12,2) | M | |
| D2012_SurfaceArea | decimal(18,2) | M | |
| D2013_ConnectionDate | Date | M | Format is 'yyyymmdd' |
| 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 |
| D2023_NewConnectionType | Nvarchar(3) | O | Values include "NEW", "CU", "GS" |
| 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 | |
| D2027_CustomerName | nvarchar(255) | M | |
| D2031_VacancyChangeFlag | decimal(1,0) | M | 0 for false 1 for true |
| Consumption Indicator | decimal(1,0) | M | 0 for false 1 for true |
| D2032_Ipchallengedflag | decimal(1,0) | M | 0 for false 1 for true |
| D2041_PcentExemption | decimal (5,2) | O | 100.00 or 50.00 when D2004 is TRUE else |

| | | | |
|-----------------------------|------|---|----------------------|
| | | | blank |
| D4002_RegistrationStartDate | Date | M | Format is 'yyyymmdd' |
| Address Block | | | Specified below |

X33 Active and Pending Meters and X38 Swapped and Discontinued 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 | |
| D3015_DataloggerSW | decimal(1,0) | M | 0 for false 1 for true |
| D3016_DataloggerNonSW | decimal(1,0) | M | 0 for false 1 for true |
| D3017_GisX | decimal(6,1) | M | Minumum value="054000" Maximum value="470500" |
| D3018_GisY | decimal(7,1) | M | Minumum value="530000" Maximum value="1220500" |
| D3019_GisZFreeDescriptor | nvarchar(255) | O | |
| D3023_AccreditedEntityInstall | decimal(1,0) | M | 0 for false 1 for true |
| D3025_MeterlocationCode | nvarchar(2) | O | Values include M1,M2,M3 or M4 |
| 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 |

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 | |
| D2037_SAA ReferenceNumber | string | O | |
| D2038_SAAReferenceNumb er Absence Code | string | O | |
| D2039_UPRN | Integer(12) | O | |
| D2040_UPRNAbsence Code | string | O | |

X35 Active Meter Reads and X39 Swapped and Discontinued 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 | |
| D3028_SReadReasonCode | nvarchar (2) | O | |

X36 Meter Network

| Field | Type | Opt | Notes |
|-----------------------------------|--------------|-----|---------------------------|
| D3027_MainMeterId | nvarchar(32) | M | |
| D2035_Main SPID | nvarchar(12) | M | |
| D3006_SubMeterID | nvarchar(32) | M | |
| D2036_Sub SPID | nvarchar(12) | O | |
| D4006_EffectiveDate | nvarchar(10) | M | Format : yyyy-mm-dd |
| D3026_MeterNetworkAssoci ation | decimal(1,0) | M | 0 for false 1 for true |

X37 Meter-DPID Associations

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

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 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.

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 Name | Yes | Yes |
| Water SPID licensed provider | Yes | Only for respective LP |
| Sewerage SPID licensed provider | Yes | 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 | Date | yyyy-mm-dd; or 'n/a' |

| | | | |
|---------------------------------|---|--------------|---|
| | metering programme on a water SPID | | |
| 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 | nvarchar(255) | Same as the D2027_CustomerName 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 |

4. SLP Download

4.1 Introduction

The CMA shall provide a daily download to the Scottish Landlord Portal (the SLP). Such download will contain SAA data, Address data, Customer Name and the Vacancy status of premises, as identified by SPIDs.

4.2 Timetable and Distribution

The CMA shall provide the download each day.

4.3 Extraction rules

For both Water and Sewerage SPIDs, all SPIDs that:

- Held “Tradable” 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
- For which the SPID data is “complete & consistent” in accordance with CSD0101 (Registration: New Connections and New Supply Points);

4.4 Detailed Record Content

| Field name | Explanation | Type | Notes |
|-------------------------|---|---------------|--|
| D2001 SPID | SPID | Nvarchar(12) | |
| D4001_OrgID | LP registered to the SPID | Varchar(6) | From and To dates for each such registration will also be downloaded |
| Org Name | The name used by the identified Org ID | Free Text | |
| D2027 Customer Name | Customer at the associated premises | Nvarchar(255) | From and To dates for each such registration will also be downloaded |
| D2015 SPID Vacant | Identifies whether the associated premises is vacant or occupied. | decimal(1,0) | 0 for False 1 for True |
| D5001 FreeDescriptor | Address Block | Nvarchar(255) | |
| D5002 Sub Building Name | Address Block | Nvarchar(30) | |

| | | | |
|--|---------------|--------------|--|
| D5003 BuildingName | Address Block | Nvarchar(50) | |
| D5004 BuildingNumber | Address Block | Nvarchar(4) | |
| D5005 DependentThoroughfareName | Address Block | Nvarchar(60) | |
| D5006 DependentThoroughfareDescriptor | Address Block | Nvarchar(20) | |
| D5007 ThoroughfareName | Address Block | Nvarchar(60) | |
| D5008 ThoroughfareDescriptor | Address Block | Nvarchar(20) | |
| D5009 DoubleDependentLocality | Address Block | Nvarchar(35) | |
| D5010 DependentLocality | Address Block | Nvarchar(35) | |
| D5011 PostTown | Address Block | Nvarchar(30) | |
| D5012 County | Address Block | Nvarchar(30) | |
| D5013 Postcode | Address Block | Nvarchar(8) | |
| OUTCODE | Address Block | Nvarchar(4) | |
| INCODE | Address Block | Nvarchar(3) | |
| D2037 SAA Reference Number | Address Block | String | |
| D2039 UPRN | Address Block | Integer(12) | |