

Market Code Schedule 20

Code Subsidiary Document No. 0301

Data Transaction Catalogue

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## Change History

Version Number	Date of Issue	Reason For Change	Change Control Reference	Sections Affected
1.0	14/05/2007	Formatted	Working Version	
1.1	10/08/2007	Brought into line with DTC XML Schema v3.8	Working Version	
1.2	31/08/2007	Implemented Change Proposals agreed to-date	Go Live Version	
1.3	01/12/2008	Revised to permit Re-Reads to be sent using T017.0	MCCP017	
1.4	08/03/2009	Add new meter reading validation codes to the Error / Return Code Set	MCCP020	
1.5	17/08/2009	Re-assessed Charges	MCCP035-CC	Section 2.3: amended D2010 and D3010; Sections 3.2; 3.3 and 4.2; Section 4.3: New T004.3
1.6	28/06/2010	Customer Names on Database	MCCP041-CC	Sections 2.2, 2.3, 3.2, 3.3, 4.2 and 4.3
1.7	27/09/2010	Removal of T031 Transaction  T017 - Meter Swap Fix  Restrict Future Dates on T025	MCCP057  MCCP058  MCCP060	Section 4.2  Section 4.3

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# 1. Purpose and Scope

Trading Parties may transact with the CMA using one of two interfaces:

1. the **Low Volume Interface (LVI)**
  - a. this interface is web based and available to all Trading Parties
  - b. it is unsuitable for Trading Parties with large data volumes to transact and / or those seeking a greater degree of process automation
  - c. for further information on the LVI please refer to the [CMA LVI User Manual]
2. the **High Volume Interface (HVI)**
  - a. this interface is available to all Trading Parties
  - b. it is suitable for transacting large data volumes with the CMA
  - c. most, but not all, transactions are available via this interface

The Data Transaction Catalogue (DTC) provides:

1. a logical definition of the data items transacted between Trading Parties and the CMA via the LVI and the HVI
2. a logical definition of the Data Transactions used to communicate information between Trading Parties and the CMA using the HVI
3. technical specifications for each of the CMA interfaces
4. technical specifications of the data items and transactions

This document does not define or provide transactions between Trading Parties.

## 1.1 Annexes

Items 3 and 4 are annexes as follows:

- Annex A: HVI
  - Transport & security
  - Web Services Communication Protocol
  - XML Schema for Transactions & Data Items
  - Web Services WSDL Description
- Annex B: LVI
  - Transport, Security and Usage
  - LVI Reports

## 2. Data Items

### 2.1 Overview

Data items are defined using the following parameters:

<b>Data Item Number:</b>	<i>Uniquely identifies the data item in this document</i>
<b>Data Item Name:</b>	<i>Descriptive name of the data item</i>
<b>Data Item Type:</b>	<i>Defines data type specification (e.g. boolean, string, decimal). For further detail including min/max value range please refer to the technical specifications in Annex A</i>
<b>Member of unique serial set:</b>	<i>[yes/no] When [yes] the data in this data item is unique and identifies an item (e.g. a meter, a Supply Point) via a 1:1 relationship</i>
<b>Member of Valid Set:</b>	<i>[yes/no] When [yes] this data item may only be populated with data from a defined set. Note that this may include data items without an explicitly defined valid set: for example, a SPID belongs to an implicit valid set, the list of SPIDs held by the CMA</i>
<b>Data Group:</b>	<i>Groups items together for ease of reference. See key 2 for further details</i>
<b>Correction Method:</b>	<i>Specifies the appropriate data correction method: Error Rectification or Retrospective Amendment where appropriate</i>
<b>Data Owner:</b>	<i>The Trading Party responsible for submitting this data item to the CMA. Not all data items are belong to an owner and some data items may have more than one owner. See key 1 below for data item owner code</i>
<b>Description:</b>	<i>Describes purpose for correct usage of this item</i>

#### Key 1

<b>Trading Parties</b>	<b>Description</b>
<b>CMA</b>	Central Market Agency
<b>SW</b>	Scottish Water
<b>LP</b>	Licensed Provider
<b>LP(o)</b>	Licensed Provider (outgoing)
<b>LP(i)</b>	Licensed Provider (incoming)

#### Key 2

<b>Data Group</b>	<b>Series</b>	<b>Description</b>
<b>System</b>	D1000	Data for system operations and transactions
<b>SPID (Core)</b>	D2000	Data applicable to both Supply Points where Supply Points exists as pairs (i.e. are related by the core number)
<b>SPID (Category)</b>	D2000	Data applicable to individual Supply Points
<b>SPID (Service Element)</b>	D2000	Data applicable to Service Elements of each Supply Point
<b>Meter</b>	D3000	Data pertaining to each meter
<b>Market</b>	D4000	Data pertaining to Supply Points that are not parameters of Supply Points
<b>Address</b>	D5000	Data group comprising of address (location information) data items
<b>Trade Effluent</b>	D6000	Data pertaining to Trade Effluent Discharge Points

## 2.2 Alphabetical List of Data Items

Name	Date Item
29e	D2006
Actual Volume Discharged	D6008
Building Name	D5003
Building Number	D5004
Cancellation Code	D4005
Chargeable Daily Volume	D6003
Chargeable Meter Size	D3002
Connection Date	D2013
County	D5012
Customer Classification	D2005
Customer Name	D2027
Customer Name Type	D2028
Data Item Reference	D1008
Data Transaction Reference	D1001
Dependent Locality	D5010
Dependent Thoroughfare Descriptor	D5006
Dependent Thoroughfare Name	D5005
Discharge Point ID	D6001
Disconnection/Reconnection	D2025
Double Dependent Locality	D5009
Effective From	D4006
Error/Return Code	D4004
EWA	D2026
Exempt Customer Flag	D2004
Farm/Croft	D2014
Free Descriptor	D5001
Large User Volume Agreement	D2007
Message ID	D1002
Meter ID	D3001
Meter Make	D3013
Meter Read	D3008
Meter Read Date	D3009
Meter Read Frequency	D3011
Meter Read Type	D3010
Meter Serial Number	D3014
New Connection Type	D2023
Non-domestic Allowance	D6009
Non-Return to Sewer Allowance	D3007
Number of Digits	D3004
Organisation ID	D4001
Originator's Reference	D1003
Ot	D6006
Outside Taps	D2020
Phasing Transitional Arrangement	D2022
Physical Meter Size	D3003
Post Town	D5011
Postcode	D5013
Property Drainage	D2016
Rateable Value	D2011
Registration Start Date	D4002
Re-Read	D3012

<b>Name</b>	<b>Date Item</b>
Roads Drainage	D2017
sBODL	D6004
Schedule 3	D2003
Seasonal Discharge Indicator	D6010
Service Category	D2002
Services to Caravans (Sewerage)	D2021
Services to Caravans (Water)	D2019
Sewerage Chargeable Meter Size	D3005
SIC Code	D2008
SPID	D2001
SPID Vacant	D2015
St	D6007
Sub Building Name	D5002
Sub-meter ID	D3006
Surface Area	D2012
SW Connection Reference	D2009
TE YVe	D6002
Test Flag	D1004
Text Comment Field	D4003
Thoroughfare Descriptor	D5008
Thoroughfare Name	D5007
Transaction Destination Org ID	D1006
Transaction Source Org ID	D1005
Transaction Timestamp	D1007
Troughs & Drinking Bowls	D2018
TSSL	D6005
Unmeasurable	D2024
YVe	D2010

## 2.3 Catalogue: Data Items (numerical order)

<b>Data Item Number:</b>	<b>D1001</b>
<b>Data Item Name:</b>	Data Transaction Reference
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Data Transaction Reference as per Data Transaction Catalogue
<b>Further Details:</b>	This data item identifies a transaction enabling appropriate processing by the recipient. Further specifications for this data item can be found in Annex A of this document.

<b>Data Item Number:</b>	<b>D1002</b>
<b>Data Item Name:</b>	Message ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Uniquely identifies a message within a Data Transaction
<b>Further Details:</b>	Further specifications for this data item can be found in Annex A of this document

<b>Data Item Number:</b>	<b>D1003</b>
<b>Data Item Name:</b>	Originator's Reference
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Provides a reference ID for the transaction from the originating Trading Party

<b>Data Item Number:</b>	<b>D1004</b>
<b>Data Item Name:</b>	Test Flag
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Marks a transaction as a test Data Transaction

<b>Data Item Number:</b>	<b>D1005</b>
<b>Data Item Name:</b>	Transaction Source Org ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Organisation ID of organisation sending a Data Transaction

<b>Data Item Number:</b>	<b>D1006</b>
<b>Data Item Name:</b>	Transaction Destination Org ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Organisation ID of intended recipient of a Data Transaction

<b>Data Item Number:</b>	<b>D1007</b>
<b>Data Item Name:</b>	Transaction Timestamp
<b>Data Item Logical Type:</b>	date & time
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Timestamp of Data Transaction on send

<b>Data Item Number:</b>	<b>D1008</b>
<b>Data Item Name:</b>	Data Item Reference
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Specifies Data Item as the subject of Transaction (e.g. for Error/Return Code purposes)
<b>Further Details :</b>	Valid set = all data items as per Data Transaction Catalogue

<b>Data Item Number:</b>	<b>D2001</b>
<b>Data Item Name:</b>	SPID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	CMA
<b>Description:</b>	Unique identifier allocated to each Supply Point by the CMA

<b>Data Item Number:</b>	<b>D2002</b>
<b>Data Item Name:</b>	Service Category
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	SW
<b>Description:</b>	Identifies service category for a SPID (Water Services or Sewerage Services)

<b>Data Item Number:</b>	<b>D2003</b>
<b>Data Item Name:</b>	Schedule 3
<b>Data Item Logical Type:</b>	percentage
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Service Element)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Schedule 3 [%] discount applied to a SPID or a DPID. When set to zero it is effectively disabled from Settlements

<b>Data Item Number:</b>	<b>D2004</b>
<b>Data Item Name:</b>	Exempt Customer Flag
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP
<b>Description:</b>	A Supply Point exempt from certain charges as defined by the Market Code

<b>Data Item Number:</b>	<b>D2005</b>
<b>Data Item Name:</b>	Customer Classification
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	LP
<b>Description:</b>	Customer classification for a Supply Point (e.g. Large Impact, Sensitive)

<b>Data Item Number:</b>	<b>D2006</b>
<b>Data Item Name:</b>	29e
<b>Data Item Logical Type:</b>	percentage
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Service Elements)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	29e [%] discount applied per Supply Point. When set to zero it is effectively disabled.

<b>Data Item Number:</b>	<b>D2007</b>
<b>Data Item Name:</b>	Large User Volume Agreement
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Large-User Volume Agreement (LUVA) indicator for Supply Point

<b>Data Item Number:</b>	<b>D2008</b>
<b>Data Item Name:</b>	SIC Code
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP
<b>Description:</b>	SIC Code applicable to a Supply Point
<b>Further Details:</b>	Standard Industry Classification

<b>Data Item Number:</b>	<b>D2009</b>
<b>Data Item Name:</b>	SW Connection Reference
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Unique reference that Scottish Water uses to identify new connections under installation
<b>Further Details:</b>	Used to request and confirm a new SPID, not used in any other transaction.

<b>Data Item Number:</b>	<b>D2010</b>
<b>Data Item Name:</b>	YVe
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP/SW refer to CSDs for scenarios for each Data Owner
<b>Description:</b>	<ol style="list-style-type: none"> <li>1. Yearly Volumetric Usage Estimate by the LP for each meter associated with the SPID in [m<sup>3</sup>]</li> <li>2. Yearly Volumetric Usage Estimate established by SW under Re-Assessed Charges under the Wholesale Charges Scheme</li> </ol>

<b>Data Item Number:</b>	<b>D2011</b>
<b>Data Item Name:</b>	Rateable Value
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP
<b>Description:</b>	Rateable Value of Eligible Premises in [£]

<b>Data Item Number:</b>	<b>D2012</b>
<b>Data Item Name:</b>	Surface Area
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	n/a
<b>Description:</b>	Surface area in [m <sup>2</sup> ] of Supply Point for Settlement calculations

<b>Data Item Number:</b>	<b>D2013</b>
<b>Data Item Name:</b>	Connection Date
<b>Data Item Logical Type:</b>	date
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Date the connection was completed
<b>Further Details:</b>	WS connection date used for SS SPID on same SPID core. If no WS, then SS LP provides connection date for SS.

<b>Data Item Number:</b>	<b>D2014</b>
<b>Data Item Name:</b>	Farm / Croft
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	If Outside Taps or Troughs & Drinking Bowls are present, this must be used to specify Supply Point as farm or croft.

<b>Data Item Number:</b>	<b>D2015</b>
<b>Data Item Name:</b>	SPID Vacant
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP
<b>Description:</b>	Declares premises for the SPID as vacant. When set to True, a Supply Point is considered Vacant

<b>Data Item Number:</b>	<b>D2016</b>
<b>Data Item Name:</b>	Property Drainage
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Indicates whether or not the Supply Point receives this service

<b>Data Item Number:</b>	<b>D2017</b>
<b>Data Item Name:</b>	Roads Drainage
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Indicates whether or not the Supply Point receives this service

<b>Data Item Number:</b>	<b>D2018</b>
<b>Data Item Name:</b>	Troughs & Drinking Bowls
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Indicates whether or not the Supply Point receives this service (and how many)

<b>Data Item Number:</b>	<b>D2019</b>
<b>Data Item Name:</b>	Services to Caravans (Water)
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Indicates whether or not the Supply Point receives this service (and how many)

<b>Data Item Number:</b>	<b>D2020</b>
<b>Data Item Name:</b>	Outside Taps
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Indicates whether or not the Supply Point receives this service (and how many)

<b>Data Item Number:</b>	<b>D2021</b>
<b>Data Item Name:</b>	Services to Caravans (Sewerage)
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Indicates whether or not the Supply Point receives this service (and how many)

<b>Data Item Number:</b>	<b>D2022</b>
<b>Data Item Name:</b>	Phasing Transitional Arrangements
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Transitional arrangement flag applied to each Supply Point that is subject to the Full Business Metering programme

<b>Data Item Number:</b>	<b>D2023</b>
<b>Data Item Name:</b>	New Connection Type
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Identifies the type of connection for a new Supply Point

<b>Data Item Number:</b>	<b>D2024</b>
<b>Data Item Name:</b>	Unmeasurable
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Identifies Supply Point as Unmeasurable

<b>Data Item Number:</b>	<b>D2025</b>
<b>Data Item Name:</b>	Disconnection/Reconnection
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Declares a Supply Point Disconnection or Reconnection. Also enables the distinction between a Temporary Disconnection and a Permanent Disconnection

<b>Data Item Number:</b>	<b>D2026</b>
<b>Data Item Name:</b>	EWA
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	CMA
<b>Description:</b>	The Estimated Weighed Average value for a SPID used in Settlements [£]

<b>Data Item Number:</b>	<b>D2027</b>
<b>Data Item Name:</b>	Customer Name
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	LP
<b>Description:</b>	The customer name associated with a given Supply Point

<b>Data Item Number:</b>	<b>D2028</b>
<b>Data Item Name:</b>	Customer Name Type
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	LP
<b>Description:</b>	

<b>Data Item Number:</b>	<b>D3001</b>
<b>Data Item Name:</b>	Meter ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Unique meter identification

<b>Data Item Number:</b>	<b>D3002</b>
<b>Data Item Name:</b>	Chargeable Meter Size
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Meter size for Water Services tariff charge calculation purposes in [mm]
<b>Further Details:</b>	Size agreed for charging purposes. In most cases this equals the physical meter size.

<b>Data Item Number:</b>	<b>D3003</b>
<b>Data Item Name:</b>	Physical Meter Size
<b>Data Item Logical Type:</b>	numerical

<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Actual size of a meter in [mm]

<b>Data Item Number:</b>	<b>D3004</b>
<b>Data Item Name:</b>	Number of Digits
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	The number of digits on the meter register

<b>Data Item Number:</b>	<b>D3005</b>
<b>Data Item Name:</b>	Sewerage Chargeable Meter Size
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Meter size for Foul Sewerage Services tariff charge calculation purposes in [mm]
<b>Further Details:</b>	Size of a Related Water Supply Meter agreed for sewerage charging purposes. In most cases this will equal physical meter size.

<b>Data Item Number:</b>	<b>D3006</b>
<b>Data Item Name:</b>	Sub-meter ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Identifies a meter as a sub-meter below a main meter in a meter network
<b>Further Details:</b>	Used to structure a complex meter arrangement

<b>Data Item Number:</b>	<b>D3007</b>
<b>Data Item Name:</b>	Non-Return to Sewer Allowance
<b>Data Item Logical Type:</b>	percentage
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Non-return to sewer allowance for a particular meter in [%]
<b>Further Details:</b>	Typically this is 95% (i.e. 95% of the water volume is deemed to "return to sewer"). If a non-standard Non-Return to Sewer Allowance is in place, the value reflects the percentage that is agreed to be returning to the sewer

<b>Data Item Number:</b>	<b>D3008</b>
<b>Data Item Name:</b>	Meter Read
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Register advance read from a meter in [m <sup>3</sup> ]

<b>Data Item Number:</b>	<b>D3009</b>
<b>Data Item Name:</b>	Meter Read Date
<b>Data Item Logical Type:</b>	date
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Date of meter read

<b>Data Item Number:</b>	<b>D3010</b>
<b>Data Item Name:</b>	Meter Read Type
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	The type of meter reading (e.g. opening, closing, cyclic)

<b>Data Item Number:</b>	<b>D3011</b>
<b>Data Item Name:</b>	Meter Read Frequency
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	The frequency that the Licensed Provider must read a meter Note, a value of N means that the LP should not provide meter readings – see CSD0202 and CSD0203 for details.

<b>Data Item Number:</b>	<b>D3012</b>
<b>Data Item Name:</b>	Re-Read
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Identifies a meter read as a re-read

<b>Data Item Number:</b>	<b>D3013</b>
<b>Data Item Name:</b>	Meter Make
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	Specifies the make and/or manufacturer of a meter

<b>Data Item Number:</b>	<b>D3014</b>
<b>Data Item Name:</b>	Meter Serial Number
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	Specifies the manufacturer's serial number of a meter

<b>Data Item Number:</b>	<b>D4001</b>
<b>Data Item Name:</b>	Organisation ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	CMA
<b>Description:</b>	Unique ID for each organisation (Scottish Water, Licensed Providers etc) transacting with the CMA

<b>Data Item Number:</b>	<b>D4002</b>
<b>Data Item Name:</b>	Registration Start Date
<b>Data Item Logical Type:</b>	date
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Market
<b>Correction Method:</b>	Retrospective Amendments
<b>Data Owner:</b>	LP(i)
<b>Description:</b>	Date SPID becomes registered to a Licensed Provider

<b>Data Item Number:</b>	<b>D4003</b>
<b>Data Item Name:</b>	Text Comment Field
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Market
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Generic text field for (short) comments & notes related to the Data Transaction.
<b>Further Details:</b>	Comments may be helpful for Trading Parties to track, identify or query changes and should reflect the reason for a change as appropriate.

<b>Data Item Number:</b>	<b>D4004</b>
<b>Data Item Name:</b>	Error / Return Code
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Specifies error or return message using code from valid set

<b>Data Item Number:</b>	<b>D4005</b>
<b>Data Item Name:</b>	Cancellation Code
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	Retrospective Amendments
<b>Data Owner:</b>	LP
<b>Description:</b>	Used by Licensed Providers to specify cancellation reason
<b>Further Details:</b>	Used at Transfer Registration to cancel a pending registration

<b>Data Item Number:</b>	<b>D4006</b>
<b>Data Item Name:</b>	Effective From
<b>Data Item Logical Type:</b>	date
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Market
<b>Correction Method:</b>	Retrospective Amendments
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Details the date new data or a change is effective from

<b>Data Item Number:</b>	<b>D5001</b>
<b>Data Item Name:</b>	Free Descriptor
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Free text descriptor for address/location details
<b>Further Details:</b>	May be used to record Health & Safety information or other access instructions when used with meters

<b>Data Item Number:</b>	<b>D5002</b>
<b>Data Item Name:</b>	Sub Building Name
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Sub building name

<b>Data Item Number:</b>	<b>D5003</b>
<b>Data Item Name:</b>	Building Name
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Building name

<b>Data Item Number:</b>	<b>D5004</b>
<b>Data Item Name:</b>	Building Number
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Building number

<b>Data Item Number:</b>	<b>D5005</b>
<b>Data Item Name:</b>	Dependent Thoroughfare Name
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Dependent Thoroughfare Name

<b>Data Item Number:</b>	<b>D5006</b>
<b>Data Item Name:</b>	Dependent Thoroughfare Descriptor
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Dependent Thoroughfare Descriptor

<b>Data Item Number:</b>	<b>D5007</b>
<b>Data Item Name:</b>	Thoroughfare Name
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Thoroughfare Name

<b>Data Item Number:</b>	<b>D5008</b>
<b>Data Item Name:</b>	Thoroughfare Descriptor
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Thoroughfare Descriptor

<b>Data Item Number:</b>	<b>D5009</b>
<b>Data Item Name:</b>	Double Dependent Locality
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Double Dependent Locality

<b>Data Item Number:</b>	<b>D5010</b>
<b>Data Item Name:</b>	Dependent Locality
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Dependent Locality

<b>Data Item Number:</b>	<b>D5011</b>
<b>Data Item Name:</b>	Post Town
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Post Town

<b>Data Item Number:</b>	<b>D5012</b>
<b>Data Item Name:</b>	County
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	County

<b>Data Item Number:</b>	<b>D5013</b>
<b>Data Item Name:</b>	Postcode
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Postcode

<b>Data Item Number:</b>	<b>D6001</b>
<b>Data Item Name:</b>	Discharge Point ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	The unique identifier allocated to the Discharge Point by Scottish Water
<b>Further Details:</b>	If a SS SPID has an associated DPID then it is deemed to have Trade Effluent as a Service Element

<b>Data Item Number:</b>	<b>D6002</b>
<b>Data Item Name:</b>	TE YVe
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	The Trade Effluent Estimated Yearly Volume for the Discharge Point in [m <sup>3</sup> ]

<b>Data Item Number:</b>	<b>D6003</b>
<b>Data Item Name:</b>	Chargeable Daily Volume
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Trade Effluent Availability Data: Chargeable Daily Volume in [m <sup>3</sup> ]

<b>Data Item Number:</b>	<b>D6004</b>
<b>Data Item Name:</b>	sBODL
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Trade Effluent Availability Data: Chargeable Settled Biochemical Oxygen Demand load in [kg/day]

<b>Data Item Number:</b>	<b>D6005</b>
<b>Data Item Name:</b>	TSSL
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Trade Effluent Availability Data: Chargeable Total Suspended Solids load in [kg/day]

<b>Data Item Number:</b>	<b>D6006</b>
<b>Data Item Name:</b>	Ot
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Trade Effluent Operating Data: Fixed Strength Chemical Oxygen Demand

<b>Data Item Number:</b>	<b>D6007</b>
<b>Data Item Name:</b>	St
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Trade Effluent Operating Data: Fixed Strength Solids Demand

<b>Data Item Number:</b>	<b>D6008</b>
<b>Data Item Name:</b>	Actual Volume Discharged
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Trade Effluent Volume: Volume in [m <sup>3</sup> ] notified

<b>Data Item Number:</b>	<b>D6009</b>
<b>Data Item Name:</b>	Non-domestic Allowance
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Annual volume associated with the foul sewerage for the Discharge Point [m <sup>3</sup> ]

<b>Data Item Number:</b>	<b>D6010</b>
<b>Data Item Name:</b>	Seasonal Discharge Indicator
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Notification of requirement to apply a premium to the Trade Effluent Charges in accordance with the Wholesale Charges Scheme

## 3. Data Items Valid Set

### 3.1 Overview

Data items that must only be populated with data from an explicitly valid set are listed here together with the associated set.

### 3.2 Valid Sets

DI #	DI Name	Code	Description
<b>D2002</b>	Service Category	<b>01</b>	Identifies Supply Point as Water Services category
		<b>02</b>	Identifies Supply Point as Sewerage Services category
<b>D2005</b>	Customer Classification	<b>LIC</b>	Large Impact Customer
		<b>SST</b>	Sensitive Customer
		<b>NA</b>	Not Applicable
<b>D2014</b>	Farm/Croft	<b>FARM</b>	Farm
		<b>CROFT</b>	Croft or Small Holding
		<b>NA</b>	Not Applicable
<b>D2023</b>	New Connection Type	<b>NEW</b>	Standard new connection
		<b>GS</b>	Gap Site
		<b>CU</b>	Change of Use
<b>D2025</b>	Disconnection/Reconnection	<b>REC</b>	Supply Point Reconnection
		<b>TDISC</b>	Temporary Disconnection
		<b>PDISC</b>	Permanent Disconnection
<b>D2028</b>	Customer Name Type	<b>Customer Developer</b>	Customer Name Type
<b>D3010</b>	Meter Read Type	<b>O</b>	Opening Read
		<b>E</b>	End Read
		<b>I</b>	Initial Read
		<b>F</b>	Final Read
		<b>C</b>	Regular Cyclic Read
		<b>U</b>	Customer Read
		<b>T</b>	Transfer Read
		<b>X</b>	Temporary Disconnection Read
		<b>Y</b>	Reconnection Read
<b>D3011</b>	Meter Read Frequency	<b>B</b>	Bi-annually
		<b>M</b>	Monthly
		<b>N</b>	Never
<b>D4005</b>	Cancellation Code	<b>S</b>	SPID error (Incoming Licensed Provider)
		<b>N</b>	No contract (Incoming Licensed Provider)
		<b>D</b>	Outstanding debt (Outgoing Licensed Provider)
		<b>C</b>	Contract in term (Outgoing Licensed Provider)
		<b>F</b>	Self Supplier (Outgoing Licensed Provider)

### 3.3 Error / Return Code Set

Valid set for data item Error / Return Code D4004.

Code	Description	History
OK	OK will be received when the message has been processed and all the appropriate validations have taken place successfully. The sender will not receive an error after receiving an OK	
AA	SPID Service Type (Tag) does not match an Licensed Provider's licence	
AB	Required Data Item is Null	
AC	Data is not member of a valid set	
XA	Licensed Provider rejects registration for a new Supply Point	
AD	Licensed Provider confirms invalid new Supply Point	
AE	Change not allowed (Trading SPID must be updated with an Update Transaction)	
AF	OBSOLETE : WS data overrides SS data	
AG	SS data cannot overwrite WS data	
AH	Read Type not Initial Meter Read for new Meter	
AI	Confirmed Connection Date not in the past (upon receipt)	
AJ	Data required to complete new Supply Point process has not been received	
AK	Transfer Registration Rejected: Registration Start Date outside permitted window	
AL	Licensed Provider nominated by Scottish Water has rejected registration for a new Supply Point	
AM	Invalid Cancellation: Outside Cancellation Window	
AN	Transfer Read not received post RSD	
AO	Taps/Troughs must be Farm or Croft	
AP	OBSOLETE : Transfer Registration Rejected: SPID unmetered	
AQ	Transfer Registration Rejected: Registration already in progress	
AR	Transfer Registration Rejected: Applicant already registered to SPID	
AS	Cancellation request not applicable to this Licensed Provider	
AT	Meter Read Rejected: Read type inappropriate	
AU	SPID Disconnection date not in the past	
AV	Read Type not Final Meter Read for Disconnected SPID	
AW	No Final Meter Read received for Disconnected SPID	
AX	Transfer Registration Rejected: SPID is Disconnected	
AY	Meter Change Rejected: Transaction incomplete	
AZ	Cannot add meter - is SS SPID	
BA	Cannot make SPID Unmeasurable: Has meter	
BB	Data rejected: Licensed Provider not registered for this SPID	
BC	Meter Read Rejected: Meter not associated to SPID (mismatch)	
BD	Deleted in Version 1.4; replaced by BH, BL, BN, BV and BZ.	Del 1.4
BE	Meter Read Rejected: outside meter capacity limit	Upd 1.4
BF	A read for this date already exists	
BH	Meter Read Rejected: daily usage too high	Add 1.4
BL	Meter Read Rejected: daily usage too low	Add 1.4
BN	Meter Read Rejected: small negative meter advance; would create a negative charge	Add 1.4
BV	Meter Read Rejected: negative meter advance larger than 3m3 per day; would create a negative charge	Add 1.4
BZ	Meter Read Rejected: zero meter advance	Add 1.4
BG	Meter Read Rejected: Licensed Provider not registered to SPID	
DA	The Participant does not have the required rights to make this request	

<b>DB</b>	Invalid Operation	
<b>DC</b>	Supply point is not of the correct type for this request	
<b>DD</b>	Service category already exists for this connection	
<b>DE</b>	Old and New Meters incompatible for meter swap	
<b>DF</b>	Effective From date predates previous change	
<b>DG</b>	Meter not associated to SPID	
<b>DH</b>	Cannot complete connection of sewerage service before the related water service	
<b>DI</b>	Transaction not permitted	Upd 1.5
<b>DJ</b>	Data Value not permitted	Upd 1.5
<b>DK</b>	Effective From Date cannot be in the future	
<b>DL</b>	Reserved for future use	
<b>DM</b>	Discharge Point already exists	
<b>DN</b>	Discharge Point is discontinued	
<b>DO</b>	SPID and DPID are not associated	
<b>DP</b>	Discharge Point not associated with the water meter	
<b>DQ</b>	Discharge Point already discontinued	
<b>DR</b>	Discharge Point ID does not exist	
<b>DS</b>	TE Allowance plus Return to Sewerage Allowance cannot exceed 100%	
<b>DT</b>	Cannot associate a Discharge Point with a water meter that doesn't exist.	
<b>DU</b>	Duplicate Data Item	
<b>DV</b>	Invalid Customer Name	
<b>DW</b>	Customer Name is not present	
<b>DX</b>	SPID does not exist or it is a Sewerage SPID that is paired with a Water SPID	

## 4. Transactions

### 4.1 Overview

Data transactions are defined using the following parameters:

<b>Transaction Number</b>	<i>Uniquely identifies the transaction in this document</i>	
<b>Transaction Name</b>	<i>Descriptive name of the transaction</i>	
<b>From</b>	<i>Organisation allowed to send this transaction (see key)</i>	
<b>To</b>	<i>Organisation allowed to receive this transaction (see key)</i>	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<i>Data Item Number</i>	<i>Data Item Name</i>	<i>see key</i>
<b>Description</b>	<i>Describes purpose for correct usage of this transaction</i>	

#### Key

<b>Trading Parties</b>	<b>Description</b>
CMA	Central Market Agency
SW	Scottish Water
LP	Licensed Provider
LP(o)	Licensed Provider (outgoing)
LP(i)	Licensed Provider (incoming)

<b>Flag</b>	<b>Description</b>
RQ	Data item must be present in this transaction. Note that where the data is "false", "zero" or "null" the data item must nevertheless be present in the transaction
OP	Data item is optional in this transaction. Refer to Annex A for further details

## 4.2 Alphabetical List of Data Transactions

Name	Transaction
Create Update Customer Name	T032.0
Customer Name Updated	T032.1
Declare Disconnection/Reconnection	T015.0
Discontinue DPID	T026.0
Discontinue DPID	T026.1
Error / Notification	T009.0
Error / Notification	T009.1
Error / Notification	T009.2
Error / Notification	T009.3
Meter Network Data	T018.0
Meter Read	T005.0
Meter Read	T005.1
Meter Read	T005.2
Meter Read	T005.3
Notify Connection	T007.2
Notify Connection Complete (SS)	T007.1
Notify Connection Complete (WS)	T007.0
Notify Disconnection/Reconnection	T015.1
Notify DP Meter Reads	T030.0
Notify DP Meter Reads	T030.1
Notify DPID	T021.0
Notify DPID	T021.1
Notify EWA <sup>1</sup>	T031.0
Notify Meter Association	T023.0
Notify Meter Association	T023.1
Notify Meter Chargeable	T014.1
Notify Meter De-association	T024.0
Notify Meter De-association	T024.1
Notify Meter Details	T004.0
Notify Meter Details	T004.1
Notify Meter Details	T004.2
Notify New SPID	T002.0
Notify New SPID	T002.1
Notify Registration Cancellation	T011.0
Notify Registration Cancellation	T011.1
Notify RSD	T008.0
Notify RSD	T008.1
Notify SPID Special Arrangement	T029.0
Notify SPID Unmeasurable Status	T016.1
Notify SS SPID Data	T020.0
Notify SS SPID Service Elements	T006.5
Notify Swap Meter	T017.0
Notify Swap Meter	T017.1
Notify TE Operating Data	T022.1
Notify TE Schedule 3	T028.0
Notify TE Schedule 3	T028.1

<sup>1</sup> Transacton Disabled

<b>Name</b>	<b>Transaction</b>
Notify TE Volume	T025.0
Notify TE Volume	T025.1
Notify TE Volume	T025.2
Notify TE Volume	T025.3
Notify WS SPID Data	T019.0
Notify WS SPID Service Elements	T006.4
Notify/Update Virtual Meter Details	T004.3
Partial Registration Application	T003.0
Provide SS SPID Data	T006.1
Provide SS SPID Service Elements	T006.3
Provide WS SPID Data	T006.0
Provide WS SPID Service Elements	T006.2
Registration Application	T003.1
Registration Cancellation	T010.0
Registration Cancellation	T010.1
Request New SPID	T001.0
Set SPID Special Arrangement	T029.1
Set SPID Special Arrangement	T029.2
Set SPID Unmeasurable Status	T016.0
Update Chargeable SPID Data	T012.1
Update DPID details	T027.0
Update DPID details	T027.1
Update Meter Chargeable	T014.0
Update Meter Data	T013.0
Update Meter Data	T013.1
Update SPID Data	T012.0
Update TE Operating Data	T022.0

### 4.3 Catalogue: Transactions (numerical order)

<b>Transaction Number</b>	<b>T001.0</b>	
<b>Transaction Name</b>	Request New SPID	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D4001</b>	Organisation ID	OP
<b>D2009</b>	SW Connection Reference	RQ
<b>D2002</b>	Service Category (SPID tag)	RQ
<b>D2001</b>	SPID (see note below)	OP
<b>D2023</b>	New Connection Type	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	<p>Used by SW to request new SPID at creation of a new Supply Point or New Connection.</p> <p>D4001 Organisation ID is not required where D2023 New Connection Type is for a Gap Site. Otherwise D4001 must be populated.</p> <p>For each service category at a premises, the transaction shall be repeated with the same SW Connection Reference to ensure that SPIDs created are identified as related. If one SPID already exists and another service is being added to create a pair for the premises, the SPID field must be completed to ensure that the SPIDs are related via the Core number</p>	

<b>Transaction Number</b>	<b>T002.0</b>	
<b>Transaction Name</b>	Notify New SPID	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2009</b>	SW Connection Reference	RQ
<b>D2023</b>	New Connection Type	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification to a LP of a new SPID. The LP is as nominated by Scottish Water in T001.0 or, where required, assigned by the CMA	

<b>Transaction Number</b>	<b>T002.1</b>	
<b>Transaction Name</b>	Notify New SPID	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2009</b>	SW Connection Reference	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification to SW of a new SPID when a new Supply Point is created.	

<b>Transaction Number</b>	<b>T003.0</b>	
<b>Transaction Name</b>	Partial Registration Application	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>Description</b>	Acceptance by the LP that they are the LP for a New Supply Point or New Connection (i.e. for the SPID notified in T002.0)	

<b>Transaction Number</b>	<b>T003.1</b>	
<b>Transaction Name</b>	Registration Application	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4002</b>	Registration Start Date	RQ
<b>Description</b>	Request by the LP for Registration of the nominated SPID for the Transfer Registration process.	

<b>Transaction Number</b>	<b>T004.0</b>	
<b>Transaction Name</b>	Notify Meter Details	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3004</b>	Number of Digits	RQ
<b>D3003</b>	Physical Meter Size	RQ
<b>D3002</b>	Chargeable Meter size	RQ
<b>D3011</b>	Meter Read Frequency	RQ
<b>D3007</b>	Non-Return to Sewer Allowance	RQ
<b>D3005</b>	Sewerage Chargeable Meter Size	RQ
<b>D3013</b>	Meter Make	RQ
<b>D3014</b>	Meter Serial Number	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	<p>Meter details submitted by SW following a new meter installation.</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p>	

<b>Transaction Number</b>	<b>T004.1</b>	
<b>Transaction Name</b>	Notify Meter Details	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3004</b>	Number of Digits	RQ
<b>D3003</b>	Physical Meter Size	RQ
<b>D3002</b>	Chargeable Meter size	RQ
<b>D3011</b>	Meter Read Frequency	RQ
<b>D3007</b>	Non-Return to Sewer Allowance	RQ
<b>D3005</b>	Sewerage Chargeable Meter Size	RQ
<b>D3013</b>	Meter Make	RQ
<b>D3014</b>	Meter Serial Number	RQ
<b>D2010</b>	YVe	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	<p>Notification to the LP of the meter details sent in T004.0 or at Transfer to LP(i)</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p> <p>Where an LP submitted YVe is in effect for this meter then it will be included in this transaction.</p>	

<b>Transaction Number</b>	<b>T004.2</b>	
<b>Transaction Name</b>	Notify Meter Details	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D3001</b>	Meter ID	RQ
<b>D2010</b>	YVe	RQ
<b>Description</b>	Meter details submitted by LP following meter installation or other data updates.	

<b>Transaction Number</b>	<b>T004.3</b>	
<b>Transaction Name</b>	Notify/Update Virtual Meter Details	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2010</b>	YVe	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3004</b>	Number of Digits	RQ
<b>D3003</b>	Physical Meter Size	RQ
<b>D3002</b>	Chargeable Meter size (see notes below)	RQ
<b>D3011</b>	Meter Read Frequency (see notes below)	RQ
<b>D3007</b>	Non-Return to Sewer Allowance	RQ
<b>D3005</b>	Sewerage Chargeable Meter Size	RQ
<b>D3013</b>	Meter Make	RQ
<b>D3014</b>	Meter Serial Number	RQ
<b>D5001</b>	Free Descriptor (see notes below)	RQ
<b>Description</b>	<p>Virtual Meter information notified to support Re-assessed Charges (see CSD0104 for further details):</p> <ul style="list-style-type: none"> <li>• D3013 [see CSD0104 for values to be used]; and</li> <li>• D3014 [see CSD0104 for values to be used]; and</li> <li>• D5001 will always state "PSEUDO METER",</li> <li>• D3002 must conform to the size permitted in the Wholesale Charges Scheme</li> </ul>	

<b>Transaction Number</b>	<b>T005.0</b>	
<b>Transaction Name</b>	Meter Read	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3008</b>	Meter Read	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>D3010</b>	Meter Read Type	RQ
<b>D3012</b>	Re-Read	OP
<b>Description</b>	<p>A Meter Read submission from SW</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p> <p>Note - cannot use End or Opening Read as these are supplied as part of T017.0 Meter Swap</p>	

<b>Transaction Number</b>	<b>T005.1</b>	
<b>Transaction Name</b>	Meter Read	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3008</b>	Meter Read	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>D3010</b>	Meter Read Type	RQ
<b>D3012</b>	Re-Read	OP
<b>Description</b>	<p>A meter read submission from a LP</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p>	

<b>Transaction Number</b>	<b>T005.2</b>	
<b>Transaction Name</b>	Meter Read	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3008</b>	Meter Read	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>D3010</b>	Meter Read Type	RQ
<b>D3012</b>	Re-Read	OP
<b>Description</b>	<p>A notification from the CMA of a Meter Read to the LP. Sent when the read is not submitted by the LP</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p>	

<b>Transaction Number</b>	<b>T005.3</b>	
<b>Transaction Name</b>	Meter Read	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3008</b>	Meter Read	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>D3010</b>	Meter Read Type	RQ
<b>D3012</b>	Re-Read	OP
<b>Description</b>	<p>A notification from the CMA of a Meter Read to SW. Sent when the read is not submitted by SW</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p>	

<b>Transaction Number</b>	<b>T006.0</b>	
<b>Transaction Name</b>	Provide WS SPID Data	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2005</b>	Customer Classification	OP
<b>D2008</b>	SIC Code	OP
<b>D2011</b>	Rateable Value	OP
<b>Description</b>	SPID data related to a WS Supply Point, sent by the LP for a new WS Supply Point.	

<b>Transaction Number</b>	<b>T006.1</b>	
<b>Transaction Name</b>	Provide SS SPID Data	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2005</b>	Customer Classification	OP
<b>D2008</b>	SIC Code	OP
<b>D2011</b>	Rateable Value	OP
<b>Description</b>	<p>SPID data related to a SS Supply Point, sent by the LP for a new SS Supply Point.</p> <p>Note - WS details for these data items takes precedence over those supplied by the SS LP</p>	

<b>Transaction Number</b>	<b>T006.2</b>	
<b>Transaction Name</b>	Provide WS SPID Service Elements	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2018</b>	Troughs & Drinking Bowls	RQ
<b>D2019</b>	Service to Caravans (Water)	RQ
<b>D2020</b>	Outside Taps	RQ
<b>D2014</b>	Farm/Croft	RQ
<b>Description</b>	SPID data related to a WS Supply Point, sent by SW before the connection of a new WS Supply Point.	

<b>Transaction Number</b>	<b>T006.3</b>	
<b>Transaction Name</b>	Provide SS SPID Service Elements	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2016</b>	Property Drainage	RQ
<b>D2017</b>	Roads Drainage	RQ
<b>D2021</b>	Services to Caravans (Sewerage)	RQ
<b>Description</b>	SPID data related to a SS Supply Point, sent by SW for a new SS Supply Point.	

<b>Transaction Number</b>	<b>T006.4</b>	
<b>Transaction Name</b>	Notify WS SPID Service Elements	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2018</b>	Troughs & Drinking Bowls	RQ
<b>D2019</b>	Service to Caravans (Water)	RQ
<b>D2020</b>	Outside Taps	RQ
<b>D2014</b>	Farm/Croft	RQ
<b>D2011</b>	Rateable Value	RQ
<b>Description</b>	Notification to the LP of SPID data related to a WS Supply Point	

<b>Transaction Number</b>	<b>T006.5</b>	
<b>Transaction Name</b>	Notify SS SPID Service Elements	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2016</b>	Property Drainage	RQ
<b>D2017</b>	Road Drainage	RQ
<b>D2021</b>	Services to Caravans (Sewerage)	RQ
<b>D2011</b>	Rateable Value	RQ
<b>Description</b>	Notification to the LP of SPID data related to a SS Supply Point	

<b>Transaction Number</b>	<b>T007.0</b>	
<b>Transaction Name</b>	Notify Connection Complete (WS)	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2013</b>	Connection Date	RQ
<b>Description</b>	Confirmation by SW that a WS Supply Point is connected	

<b>Transaction Number</b>	<b>T007.1</b>	
<b>Transaction Name</b>	Notify Connection Complete (SS)	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2013</b>	Connection Date	RQ
<b>Description</b>	Confirmation by the LP that a SS Supply Point is connected.  Note - This transaction is only required if there is no Related Water Supply Meter	

<b>Transaction Number</b>	<b>T007.2</b>	
<b>Transaction Name</b>	Notify Connection	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2013</b>	Connection Date	RQ
<b>Description</b>	Notification from the CMA to the LP of SW's confirmation of WS Supply Point connection	

<b>Transaction Number</b>	<b>T008.0</b>	
<b>Transaction Name</b>	Notify RSD	
<b>From</b>	CMA	
<b>To</b>	LP(o)	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4002</b>	Registration Start Date	RQ
<b>Description</b>	Notification from the CMA to a LP of loss of their Registration for a SPID. The Registration Start Date (RSD) shall be the first day that the Outgoing LP ceases to be registered to the SPID. The last date of their Registration shall be the day preceding the RSD.	

<b>Transaction Number</b>	<b>T008.1</b>	
<b>Transaction Name</b>	Notify RSD	
<b>From</b>	CMA	
<b>To</b>	LP(i)	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4002</b>	Registration Start Date	RQ
<b>Description</b>	Confirmation from the CMA to an Incoming LP of acceptance of their Registration for a SPID. The Registration Start Date shall be the first day that LP becomes registered to the SPID.	

<b>Transaction Number</b>	<b>T009.0</b>	
<b>Transaction Name</b>	Error / Notification	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D4004</b>	Error/Return Code	RQ
<b>D1008</b>	Data Item Reference	OP
<b>Description</b>	This transaction notifies the sending party of receipt of a transaction.  The Error/Return Code [D4004] indicates whether processing of the transaction received has been successful. Where it is not successful an error code may be paired with a Data Item Reference [D1008] identifying the data that caused the error	

<b>Transaction Number</b>	<b>T009.1</b>	
<b>Transaction Name</b>	Error / Notification	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D4004</b>	Error/Return Code	RQ
<b>D1008</b>	Data Item Reference	OP
<b>Description</b>	This transaction notifies the sending party of receipt of a transaction.  The Error/Return Code [D4004] indicates whether processing of the transaction received has been successful. Where it is not successful an error code may be paired with a Data Item Reference [D1008] identifying the data that caused the error	

<b>Transaction Number</b>	<b>T009.2</b>	
<b>Transaction Name</b>	Error / Notification	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D4004</b>	Error/Return Code	RQ
<b>D1008</b>	Data Item Reference	OP
<b>Description</b>	This transaction only occurs for New Connection process	

<b>Transaction Number</b>	<b>T009.3</b>	
<b>Transaction Name</b>	Error / Notification	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D4004</b>	Error/Return Code	RQ
<b>D1008</b>	Data Item Reference	OP
<b>Description</b>	This transaction is added here for completeness but is not, at the moment, in use	

<b>Transaction Number</b>	<b>T010.0</b>	
<b>Transaction Name</b>	Registration Cancellation	
<b>From</b>	LP(i)	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4005</b>	Cancellation Code	RQ
<b>Description</b>	Request to cancel a Registration by the Incoming LP (i.e. the LP that made the Registration Application)	

<b>Transaction Number</b>	<b>T010.1</b>	
<b>Transaction Name</b>	Registration Cancellation	
<b>From</b>	LP(o)	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4005</b>	Cancellation Code	RQ
<b>Description</b>	Request to cancel a registration by the Outgoing LP	

<b>Transaction Number</b>	<b>T011.0</b>	
<b>Transaction Name</b>	Notify Registration Cancellation	
<b>From</b>	CMA	
<b>To</b>	LP(i)	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>Description</b>	Notification from the CMA to an Incoming LP of Cancellation of a Registration	

<b>Transaction Number</b>	<b>T011.1</b>	
<b>Transaction Name</b>	Notify Registration Cancellation	
<b>From</b>	CMA	
<b>To</b>	LP(o)	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>Description</b>	Notification from the CMA to an Outgoing LP of Cancellation of a Registration	

<b>Transaction Number</b>	<b>T012.0</b>	
<b>Transaction Name</b>	Update SPID Data	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2005</b>	Customer Classification	OP
<b>D2008</b>	SIC Code	OP
<b>D4003</b>	Text Comment Field	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Ad hoc update of non-chargeable SPID data by the LP	

<b>Transaction Number</b>	<b>T012.1</b>	
<b>Transaction Name</b>	Update Chargeable SPID Data	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2018</b>	Troughs & Drinking Bowls	OP
<b>D2019</b>	Services to Caravans (Water)	OP
<b>D2021</b>	Services to Caravans (Sewerage)	OP
<b>D2020</b>	Outside Taps	OP
<b>D2016</b>	Property Drainage	OP
<b>D2017</b>	Road Drainage	OP
<b>D2014</b>	Farm/Croft	OP
<b>D2011</b>	Rateable Value	OP
<b>D2015</b>	SPID Vacant	OP
<b>D4003</b>	Text Comment Field	RQ
<b>Description</b>	Request to update of specific SPID data by an LP. This transaction may be used for both WS or SS SPIDs	

<b>Transaction Number</b>	<b>T013.0</b>	
<b>Transaction Name</b>	Update Meter Data	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3011</b>	Meter Read Frequency	OP
<b>D3013</b>	Meter Make	OP
<b>D3014</b>	Meter Serial Number	OP
<b>D3003</b>	Physical Meter Size	OP
<b>D3004</b>	Number of Digits	OP
<b>D4003</b>	Text Comment Field	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Update of (non-chargeable) meter details by SW  D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.	

<b>Transaction Number</b>	<b>T013.1</b>	
<b>Transaction Name</b>	Notify Meter Data	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3011</b>	Meter Read Frequency	OP
<b>D3013</b>	Meter Make	OP
<b>D3014</b>	Meter Serial Number	OP
<b>D3003</b>	Physical Meter Size	OP
<b>D3004</b>	Number of Digits	OP
<b>D4003</b>	Text Comment Field	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	<p>Notification of T013.0 to LP</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p>	

<b>Transaction Number</b>	<b>T014.0</b>	
<b>Transaction Name</b>	Update Meter Chargeable	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3002</b>	Chargeable Meter size	OP
<b>D3007</b>	Non-Return to Sewer Allowance	OP
<b>D3005</b>	Sewerage Chargeable Meter Size	OP
<b>D4003</b>	Text Comment Field	RQ
<b>Description</b>	Request to update the chargeable meter details by SW	

<b>Transaction Number</b>	<b>T014.1</b>	
<b>Transaction Name</b>	Notify Meter Chargeable	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3002</b>	Chargeable Meter size	OP
<b>D3007</b>	Non-Return to Sewer Allowance	OP
<b>D3005</b>	Sewerage Chargeable Meter Size	OP
<b>D4003</b>	Text Comment Field	RQ
<b>Description</b>	Notification to the LP of T014.0	

<b>Transaction Number</b>	<b>T015.0</b>	
<b>Transaction Name</b>	Declare Disconnection/Reconnection	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2025</b>	Disconnection/Reconnection	RQ
<b>D4006</b>	Effective From	RQ
<b>Description</b>	A declaration that the Supply Point has been Disconnected or Reconnected	

<b>Transaction Number</b>	<b>T015.1</b>	
<b>Transaction Name</b>	Notify Disconnection/Reconnection	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2025</b>	Disconnection/Reconnection	RQ
<b>D4006</b>	Effective From	RQ
<b>Description</b>	A notification that the Supply Point has been Disconnected or Reconnected	

<b>Transaction Number</b>	<b>T016.0</b>	
<b>Transaction Name</b>	Set SPID Unmeasurable Status	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2024</b>	Unmeasurable	RQ
<b>Description</b>	This transaction is used to set the Unmeasurable status of a SPID. The status may be set to True or False	

<b>Transaction Number</b>	<b>T016.1</b>	
<b>Transaction Name</b>	Notify SPID Unmeasurable Status	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2024</b>	Unmeasurable	RQ
<b>Description</b>	Used to notify LP of T016.0	

<b>Transaction Number</b>	<b>T017.0</b>	
<b>Transaction Name</b>	Notify Swap Meter	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID (OLD METER)	RQ
<b>D3008</b>	Meter Read (OLD METER)	RQ
<b>D3009</b>	Meter Read Date (OLD METER)	RQ
<b>D3010</b>	Meter Read Type (OLD METER)	RQ
<b>D3012</b>	Re-Read	OP
<b>D3001</b>	Meter ID (NEW METER)	RQ
<b>D3008</b>	Meter Read (NEW METER)	RQ
<b>D3009</b>	Meter Read Date (NEW METER)	RQ
<b>D3010</b>	Meter Read Type (NEW METER)	RQ
<b>Description</b>	<p>Sent by SW on Meter Change to swap the meters recorded against a SPID.</p> <p>Where a new meter is installed the CMA must first be notified of the addition of a meter to the market through T004.0 (Notify Meter Details) as otherwise the new meter will not be recognised in this transaction.</p> <p>D3010 Meter Read Type for the [Old Meter] must be "E" and for [New Meter] must be "O".</p>	

<b>Transaction Number</b>	<b>T017.1</b>	
<b>Transaction Name</b>	Notify Swap Meter	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D3001</b>	Meter ID (OLD METER)	RQ
<b>D3008</b>	Meter Read (OLD METER)	RQ
<b>D3009</b>	Meter Read Date (OLD METER)	RQ
<b>D3010</b>	Meter Read Type (OLD METER)	RQ
<b>D3001</b>	Meter ID (NEW METER)	RQ
<b>D3008</b>	Meter Read (NEW METER)	RQ
<b>D3009</b>	Meter Read Date (NEW METER)	RQ
<b>D3010</b>	Meter Read Type (NEW METER)	RQ
<b>Description</b>	Notification to an LP of the meter swap	

<b>Transaction Number</b>	<b>T018.0</b>	
<b>Transaction Name</b>	Meter Network Data	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3006</b>	Sub-meter ID	RQ
<b>Description</b>	Notification from the CMA to an LP at Transfer Registration of a Meter Network where one exists for the SPID	

<b>Transaction Number</b>	<b>T019.0</b>	
<b>Transaction Name</b>	Notify WS SPID Data	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2005</b>	Customer Classification	RQ
<b>D2008</b>	SIC Code	RQ
<b>D2011</b>	Rateable Value	RQ
<b>D2018</b>	Troughs & Drinking Bowls	RQ
<b>D2019</b>	Service to Caravans (Water)	RQ
<b>D2020</b>	Outside Taps	RQ
<b>D2014</b>	Farm/Croft	RQ
<b>D2024</b>	Unmeasurable	RQ
<b>D5001</b>	Free Descriptor	RQ
<b>D5002</b>	Sub Building Name	RQ
<b>D5003</b>	Building Name	RQ
<b>D5004</b>	Building Number	RQ
<b>D5005</b>	Dependent Thoroughfare Name	RQ
<b>D5006</b>	Dependent Thoroughfare Descriptor	RQ
<b>D5007</b>	Thoroughfare Name	RQ
<b>D5008</b>	Thoroughfare Descriptor	RQ
<b>D5009</b>	Double Dependent Locality	RQ
<b>D5010</b>	Dependent Locality	RQ
<b>D5011</b>	Post Town	RQ
<b>D5012</b>	County	RQ
<b>D5013</b>	Postcode	RQ
<b>Description</b>	Notification to a LP of all WS SPID data at Transfer Registration	

<b>Transaction Number</b>	<b>T020.0</b>	
<b>Transaction Name</b>	Notify SS SPID Data	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2005</b>	Customer Classification	RQ
<b>D2008</b>	SIC Code	RQ
<b>D2011</b>	Rateable Value	RQ
<b>D2012</b>	Surface Area	RQ
<b>D2016</b>	Property Drainage	RQ
<b>D2017</b>	Road Drainage	RQ
<b>D2021</b>	Services to Caravans (Sewerage)	RQ
<b>D5001</b>	Free Descriptor	RQ
<b>D5002</b>	Sub Building Name	RQ
<b>D5003</b>	Building Name	RQ
<b>D5004</b>	Building Number	RQ
<b>D5005</b>	Dependent Thoroughfare Name	RQ
<b>D5006</b>	Dependent Thoroughfare Descriptor	RQ
<b>D5007</b>	Thoroughfare Name	RQ
<b>D5008</b>	Thoroughfare Descriptor	RQ
<b>D5009</b>	Double Dependent Locality	RQ
<b>D5010</b>	Dependent Locality	RQ
<b>D5011</b>	Post Town	RQ
<b>D5012</b>	County	RQ
<b>D5013</b>	Postcode	RQ
<b>Description</b>	Notification to a LP of all SS SPID data at Transfer Registration	

<b>Transaction Number</b>	<b>T021.0</b>	
<b>Transaction Name</b>	Notify DPID	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D6003</b>	CDV	RQ
<b>D6004</b>	sBODL	RQ
<b>D6005</b>	TSSL	RQ
<b>D6006</b>	Ot	RQ
<b>D6007</b>	St	RQ
<b>D6009</b>	Non-domestic Allowance	RQ
<b>D6010</b>	Seasonal Discharge Indicator	RQ
<b>D6002</b>	TE YVe	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification of a new Discharge Point by SW	

<b>Transaction Number</b>	<b>T021.1</b>	
<b>Transaction Name</b>	Notify DPID	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D6003</b>	CDV	RQ
<b>D6004</b>	sBODL	RQ
<b>D6005</b>	TSSL	RQ
<b>D6006</b>	Ot	RQ
<b>D6007</b>	St	RQ
<b>D6009</b>	Non-domestic Allowance	RQ
<b>D6010</b>	Seasonal Discharge Indicator	RQ
<b>D6002</b>	TE YVe	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification of the Discharge Point in T021.0 to the LP.  This notification is also sent on Transfer Registration where LP(i) has gained a Sewerage Service SPID with a Discharge Point	

<b>Transaction Number</b>	<b>T022.0</b>	
<b>Transaction Name</b>	Update TE Operating Data	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D6006</b>	Ot	OP
<b>D6007</b>	St	OP
<b>Description</b>	Update of Discharge Point operating data	

<b>Transaction Number</b>	<b>T022.1</b>	
<b>Transaction Name</b>	Notify TE Operating Data	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D6006</b>	Ot	OP
<b>D6007</b>	St	OP
<b>Description</b>	Notification of Discharge Point operating data update	

<b>Transaction Number</b>	<b>T023.0</b>	
<b>Transaction Name</b>	Notify Meter Association	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>Description</b>	Notification by SW that a meter is associated with a Discharge Point.	

<b>Transaction Number</b>	<b>T023.1</b>	
<b>Transaction Name</b>	Notify Meter Association	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>Description</b>	Notification to the LP of T023.0 details, either at association, or at Transfer Registration	

<b>Transaction Number</b>	<b>T024.0</b>	
<b>Transaction Name</b>	Notify Meter De-association	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>Description</b>	Notification by SW of a meter de-associated with a Discharge Point. If multiple meters are de-associated, this transaction will be repeated.	

<b>Transaction Number</b>	<b>T024.1</b>	
<b>Transaction Name</b>	Notify Meter De-association	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>Description</b>	Notification to the LP of T024.0	

<b>Transaction Number</b>	<b>T025.0</b>	
<b>Transaction Name</b>	Notify TE Volume	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D6008</b>	Actual Volume Discharged	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>Description</b>	Notification of Trade Effluent Volume for Settlement calculations. Each notification should be for the volume measured since the previous T025.0 notification.  The D3009 Meter Read Date is the date to which the volume is measured (note that it is not necessarily for a meter derived value).	

<b>Transaction Number</b>	<b>T025.1</b>	
<b>Transaction Name</b>	Notify TE Volume	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D6008</b>	Actual Volume Discharged	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>Description</b>	Notification to SW of T025.0	

<b>Transaction Number</b>	<b>T025.2</b>	
<b>Transaction Name</b>	Notify TE Volume	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D6008</b>	Actual Volume Discharged	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>Description</b>	Notification of Trade Effluent Volume for Settlement calculations. Each notification should be for the volume measured since the previous T025.0 notification.  The D3009 Meter Read Date is the date to which the volume is measured (note that it is not necessarily for a meter derived value).	

<b>Transaction Number</b>	<b>T025.3</b>	
<b>Transaction Name</b>	Notify TE Volume	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D6008</b>	Actual Volume Discharged	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>Description</b>	Notification to LP of T025.2	

<b>Transaction Number</b>	<b>T026.0</b>	
<b>Transaction Name</b>	Discontinue DPID	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>Description</b>	Notification by SW of discontinuation of a Discharge Point	

<b>Transaction Number</b>	<b>T026.1</b>	
<b>Transaction Name</b>	Discontinue DPID	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>Description</b>	Notification to the LP of T026.0	

<b>Transaction Number</b>	<b>T027.0</b>	
<b>Transaction Name</b>	Update DPID Details	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4003</b>	Text Comment Field	RQ
<b>D6003</b>	CDV	OP
<b>D6004</b>	sBODL	OP
<b>D6005</b>	TSSL	OP
<b>D6009</b>	Non-domestic Allowance	OP
<b>D6010</b>	Seasonal Discharge Indicator	OP
<b>D6002</b>	TE YVe	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Update to a Discharge Point by SW	

<b>Transaction Number</b>	<b>T027.1</b>	
<b>Transaction Name</b>	Update DPID Details	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4003</b>	Text Comment Field	RQ
<b>D6003</b>	CDV	OP
<b>D6004</b>	sBODL	OP
<b>D6005</b>	TSSL	OP
<b>D6009</b>	Non-domestic Allowance	OP
<b>D6010</b>	Seasonal Discharge Indicator	OP
<b>D6002</b>	TE YVe	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification of updates to a Discharge Point	

<b>Transaction Number</b>	<b>T028.0</b>	
<b>Transaction Name</b>	Notify TE Schedule 3	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2003</b>	Schedule 3	RQ
<b>D6001</b>	DPID	OP
<b>Description</b>	Notification of Schedule 3 details at Discharge Point. Sent by the CMA to LP(i) on Transfer Registration and on any updates	

<b>Transaction Number</b>	<b>T028.1</b>	
<b>Transaction Name</b>	Notify TE Schedule 3	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2003</b>	Schedule 3	RQ
<b>D6001</b>	DPID	RQ
<b>Description</b>	Notification of Schedule 3 details at Discharge Point. Sent by SW where details are to be updated	

<b>Transaction Number</b>	<b>T029.0</b>	
<b>Transaction Name</b>	Notify SPID Special Arrangements	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2003</b>	Schedule 3	OP
<b>D2004</b>	Exempt Customer Flag	OP
<b>D2006</b>	29e	OP
<b>D2007</b>	Large User Volume Agreement	OP
<b>D2022</b>	Phasing Transitional Arrangement	OP
<b>Description</b>	Notification of special arrangements in effect at a SPID.	

<b>Transaction Number</b>	<b>T029.1</b>	
<b>Transaction Name</b>	Set SPID Special Arrangements	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2003</b>	Schedule 3	OP
<b>D2006</b>	29e	OP
<b>D2007</b>	Large User Volume Agreement	OP
<b>D2022</b>	Phasing Transitional Arrangement	OP
<b>Description</b>	Set special arrangements in effect at a SPID.	

<b>Transaction Number</b>	<b>T029.2</b>	
<b>Transaction Name</b>	Set SPID Special Arrangements	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2004</b>	Exempt Customer Flag	OP
<b>Description</b>	Set special arrangements in effect at a SPID.	

<b>Transaction Number</b>	<b>T030.0</b>	
<b>Transaction Name</b>	Notify DP Meter Reads	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D6001</b>	DPID	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3008</b>	Read	RQ
<b>D3009</b>	Read Date	RQ
<b>D3010</b>	Read Type	RQ
<b>D3012</b>	Re-Read	RQ
<b>Description</b>	Notification of meter read for meters associated to a Discharge Point	

<b>Transaction Number</b>	<b>T030.1</b>	
<b>Transaction Name</b>	Notify DP Meter Reads	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D6001</b>	DPID	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3008</b>	Read	RQ
<b>D3009</b>	Read Date	RQ
<b>D3010</b>	Read Type	RQ
<b>D3012</b>	Re-Read	RQ
<b>Description</b>	Notification of meter read for meters associated to a Discharge Point	

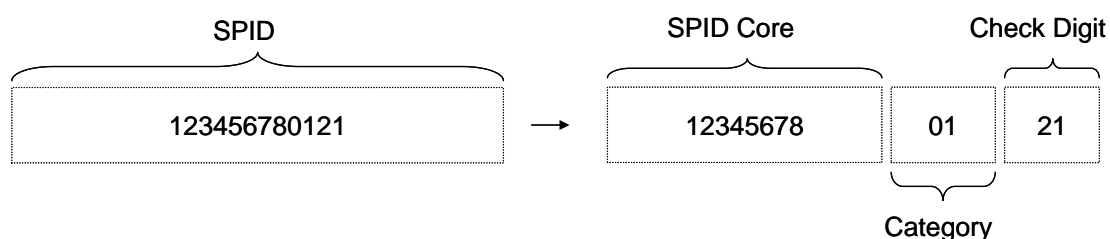
<b>Transaction Number</b>	<b>T031.0 [Transaction Disabled]</b>	
<b>Transaction Name</b>	Notify EWA	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2026</b>	EWA	RQ
<b>Description</b>	Notification of EWA sent on EWA creation, update or at Transfer Register to LP(i)	

<b>Transaction Number</b>	<b>T032.0</b>	
<b>Transaction Name</b>	Create Update Customer Name	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2027</b>	Customer Name	RQ
<b>D2028</b>	Customer Name Type	RQ
<b>Description</b>	Customer name/developer for a new supply point or updating an existing customer name.  Note - WS details for this data items takes precedence over those supplied by the SS LP	

<b>Transaction Number</b>	<b>T032.1</b>	
<b>Transaction Name</b>	Customer Name Updated	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2027</b>	Customer Name	RQ
<b>D2028</b>	Customer Name Type	RQ
<b>Description</b>	Notification of customer name being updated	

## 5. Supply Point Identifier (SPID)

A SPID is composed of 3 parts concatenated into a single, unique, 12 digit number. Figure 1 below illustrates the component parts:



**Figure 1 - SPID**

where each part of a SPID is as follows:

1. **SPID Core:** This is the serial number generated sequentially upon adding a Supply Point to the Supply Point Register and identifies a Supply Point without making a distinction between Water or Sewerage Services – the SPID Core is thus not unique
  - a. SPID Cores created prior to 1<sup>st</sup> April 2008 are pre-fixed [1]. Thus the very first SPID Core number created is [10000001]
  - b. SPID Cores created post 1<sup>st</sup> April 2008 are pre-fixed [2] or greater
2. **Category:** This identifies the SPID as:
  - a. [01] Water Service
  - b. [02] Sewerage Service
  - c. There are only the two categories as above
  - d. The concatenation of SPID Core and Category to form, in the example above, SPID [1234567801] creates a unique identifier. In this example, the SPID is for Water Services and uniquely identifies the Water Service Supply Point of that number
3. **Check Digit:** The check digit enables error detection and is an intrinsic part of the SPID. The check digit must always be used. SPIDs without check digits are less than 12 digits in length and are not considered valid

## 5.1 Verifying the Check Digit

It is recommended that all Trading Parties verify the validity of a SPID by calculating the checksum for the SPID upon receipt and transmission of data. Check digit generation is based on a modulus 13 (MOD13) algorithm. The example algorithm below can be used to perform the checksum calculation:

```
modTotal = 0;
for (i=0; i<12; i++) {
    modTotal = modTotal + (SPID.charAt(i) * (12 - i));
}
modResult = (modTotal%13);
if (modResult!=0) // Failed the Mod13 check
```

## 5.2 Business Day Hours

The Market Code defines the hours during which the Central Market Agency accepts Transactions for processing. Note that:

- Transactions will be accepted by Central Systems at any time it is operational
- Transactions received after the closing business hour of a Business Day will, however, be deemed to have been received on the next business day
- Central Systems will not unnecessarily delay the processing of a Transaction received after the closing business hours of a Business Day

For example, where the required date for a Transaction to be received by the CMA is Day 1, and that Transaction is received after the closing business hours of Day 1 but before midnight, that Transaction will be deemed by Central Systems to have been received at the opening business hours of Day 2.