

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
1.8	25/03/2011	New Meter Read Type R New Cancellation Comment Field Meter Rollover Dataloggers GIS Coordinates Flow T016 Effective Date and Sewerage Services Supply Point Update Late Partial Escalation Process March Release Document Update	MCCP037 MCCP040 MCCP053 MCCP070 MCCP071 MCCP072 MCCP074 MCCP075	Section 3.2 Section 3.2, 4.3 Sections 2.2, 2.3, 4.3 Section 2.2, 2.3, 3.3, 4.3 Section 2.2, 2.3, 3.3, 4.3 Section 4.3 Section 4.3 Section 3.3

<u>1.9</u>	<u>11/11/11</u>	<u>Introduction of T033.0, T033.1</u>	<u>MCCP081-CC</u>	<u>Sections 2.2,2.3, 3.3, 4.2, 4.3</u>
		<u>Updating Error Codes</u>	<u>MCCP082</u>	<u>Section 4.2</u>
		<u>Schema Changes for Validity</u>	<u>MCCP089</u>	<u>Section 4.3</u>

1.	Purpose and Scope	5
1.1	Annexes	5
2.	Data Items	6
2.1	Overview	6
2.2	Alphabetical List of Data Items	7
2.3	Catalogue: Data Items (numerical order)	9
3.	Data Items Valid Set	32
3.1	Overview	32
3.2	Valid Sets	32
3.3	Error / Return Code Set	33
4.	Transactions	38
4.1	Overview	38
4.2	Alphabetical List of Data Transactions	39
4.3	Catalogue: Transactions (numerical order)	41
5.	Supply Point Identifier (SPID)	75
5.1	Verifying the Check Digit	76
5.2	Business Day Hours	76

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:

Data Item Number:	<i>Uniquely identifies the data item in this document</i>
Data Item Name:	<i>Descriptive name of the data item</i>
Data Item Type:	<i>Defines data type specification (e.g. boolean, <u>oolean</u>, string, decimal). For further detail including min/max value range please refer to the technical specifications in Annex A</i>
Member of unique serial set:	<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>
Member of Valid Set:	<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>
Data Group:	<i>Groups items together for ease of reference. See key 2 for further details</i>
Correction Method:	<i>Specifies the appropriate data correction method: Error Rectification or Retrospective Amendment where appropriate</i>
Data Owner:	<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>
Description:	<i>Describes purpose for correct usage of this item</i>

Key 1

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

Key 2

Data Group	Series	Description
System	D1000	Data for system operations and transactions
SPID (Core)	D2000	Data applicable to both Supply Points where Supply Points exists as pairs (i.e. are related by the core number)
SPID (Category)	D2000	Data applicable to individual Supply Points
SPID (Service Element)	D2000	Data applicable to Service Elements of each Supply Point
Meter	D3000	Data pertaining to each meter
Market	D4000	Data pertaining to Supply Points that are not parameters of Supply Points
Address	D5000	Data group comprising of address (location information) data items
Trade Effluent	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
Datalogger_NonSW	D3016
Datalogger_SW	D3015
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
GISX	D3017 —
GISY	D3018 —
GISZFreeDescriptor	D3019 —
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
<u>Metered Building Water</u>	<u>D2029</u>
<u>Metered Building Water Effective Date</u>	<u>D2030</u>
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

Name	Date Item
Physical Meter Size	D3003
Post Town	D5011
Postcode	D5013
Property Drainage	D2016
Rateable Value	D2011
Registration Start Date	D4002
Re-Read	D3012
Roads Drainage	D2017
Rollover Flag	D3021
Rollover Indicator	D3020
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)

Data Item Number:	D1001
Data Item Name:	Data Transaction Reference
Data Item Logical Type:	string
Member of unique serial set:	yes
Member of Valid Set:	yes
Data Group:	System
Correction Method:	n/a
Data Owner:	n/a
Description:	Data Transaction Reference as per Data Transaction Catalogue
Further Details:	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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Data Item Number:	D2010
Data Item Name:	YVe
Data Item Logical Type:	numerical
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Retrospective Amendment
Data Owner:	LP/SW refer to CSDs for scenarios for each Data Owner
Description:	<ol style="list-style-type: none"> 1. Yearly Volumetric Usage Estimate by the LP for each meter associated with the SPID in [m³] 2. Yearly Volumetric Usage Estimate established by SW under Re-Assessed Charges under the Wholesale Charges Scheme

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<u>Data Item Number</u>	<u>D2029</u>
<u>Data Item Name</u>	<u>Metered Building Water</u>
<u>Data Item Logical Type</u>	<u>Boolean</u>
<u>Member of unique serial set</u>	<u>No</u>
<u>Member of Valid Set</u>	<u>No</u>
<u>Data Group</u>	<u>SPID (Core)</u>
<u>Correction Method</u>	<u>Error Rectification</u>
<u>Data Owner</u>	<u>SW</u>
<u>Description</u>	<p><u>Boolean flag to indicate if the site is a metered building construction site.</u></p> <p><u>True = It is a metered building construction site</u></p> <p><u>False = Not a metered building construction site</u></p>

<u>Data Item Number</u>	<u>D2030</u>
<u>Data Item Name</u>	<u>Metered Building Water Effective Date</u>
<u>Data Item Logical Type</u>	<u>Date</u>
<u>Member of unique serial set</u>	<u>No</u>
<u>Member of Valid Set</u>	<u>No</u>
<u>Data Group</u>	<u>SPID (Core)</u>
<u>Correction Method</u>	<u>Error Rectification</u>
<u>Data Owner</u>	<u>SW</u>
<u>Description</u>	<p><u>The date when the SPID:</u></p> <ul style="list-style-type: none"> <u>Became an metered building construction site (if D2029 = True) or</u> <p><u>Was no longer a metered building construction site (if D2029 = False)</u></p>

Data Item Number:	D3001
Data Item Name:	Meter ID
Data Item Logical Type:	simple (string with a restriction on the character set)
Member of unique serial set:	yes
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Retrospective Amendment
Data Owner:	SW
Description:	Unique meter identification

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

Data Item Number:	D3003
Data Item Name:	Physical Meter Size
Data Item Logical Type:	numerical
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Retrospective Amendment
Data Owner:	SW
Description:	Actual size of a meter in [mm]

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

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

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

Data Item Number:	D3007
Data Item Name:	Non-Return to Sewer Allowance
Data Item Logical Type:	percentage
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Retrospective Amendment
Data Owner:	SW
Description:	Non-return to sewer allowance for a particular meter in [%]
Further Details:	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

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

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

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

Data Item Number:	D3011
Data Item Name:	Meter Read Frequency
Data Item Logical Type:	string
Member of unique serial set:	no
Member of Valid Set:	yes
Data Group:	Meter
Correction Method:	Error Rectification
Data Owner:	SW
Description:	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.

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

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

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

Data Item Number:	D3015
Data Item Name:	Datalogger_SW
Data Item Logical Type:	boolean
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Specifies the presence of a Scottish Water datalogger

Data Item Number:	D3016
Data Item Name:	Datalogger_NonSW
Data Item Logical Type:	boolean
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Specifies the presence of a non Scottish Water datalogger

Data Item Number:	D3017
Data Item Name:	GISX
Data Item Logical Type:	string
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Specifies the X coordinate of the location of the meter

Data Item Number:	D3018
Data Item Name:	GISY
Data Item Logical Type:	string
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Specifies the Y coordinate of the location of the meter

Data Item Number:	D3019
Data Item Name:	GISZ
Data Item Logical Type:	string
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Specifies the Z Free Descriptor of the location of the meter

Data Item Number:	D3020
Data Item Name:	Rollover Indicator
Data Item Logical Type:	boolean
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	n/a
Data Owner:	LP or SW
Description:	Proposes whether the meter read has rolled over or not

Data Item Number:	D3021
Data Item Name:	Rollover Flag
Data Item Logical Type:	Boolean
Member of unique serial set:	No
Member of Valid Set:	No
Data Group:	Meter
Correction Method:	Retrospective Amendment
Data Owner:	LP or SW
Description:	Specifies whether the meter read has rolled over or not

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Data Item Number:	D6010
Data Item Name:	Seasonal Discharge Indicator
Data Item Logical Type:	boolean
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Trade Effluent
Correction Method:	Retrospective Amendment
Data Owner:	SW
Description:	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
D2002	Service Category	01	Identifies Supply Point as Water Services category
		02	Identifies Supply Point as Sewerage Services category
D2005	Customer Classification	LIC	Large Impact Customer
		SST	Sensitive Customer
		NA	Not Applicable
D2014	Farm/Croft	FARM	Farm
		CROFT	Croft or Small Holding
		NA	Not Applicable
D2023	New Connection Type	NEW	Standard new connection
		GS	Gap Site
		CU	Change of Use
D2025	Disconnection/Reconnection	REC	Supply Point Reconnection
		TDISC	Temporary Disconnection
		PDISC	Permanent Disconnection
D2028	Customer Name Type	Customer Developer	Customer Name Type
D3010	Meter Read Type	O	Opening Read
		E	End Read
		I	Initial Read
		F	Final Read
		C	Regular Cyclic Read
		U	Customer Read
		T	Transfer Read
		X	Temporary Disconnection Read
		Y	Reconnection Read
		R	AMR Read
D3011	Meter Read Frequency	B	Bi-annually
		M	Monthly
		N	Never
D4005	Cancellation Code	S	SPID error (Incoming Licensed Provider)
		N	No contract (Incoming Licensed Provider)
		D	Outstanding debt (Outgoing Licensed Provider)
		C	Contract in term (Outgoing Licensed Provider)
		F	Self Supplier (Outgoing Licensed Provider)

3.3 Error / Return Code Set

Valid set for data item Error / Return Code D4004.

<u>Code</u>	<u>Description</u>
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	<u>Sender must be a valid Licensed Provider SPID Service Type (Tag) does not match a Licensed Provider's licence</u>
AB	<u>Required Data Item is Null SPID must be supplied in the transaction</u>
AC	<u>Data is not member of a valid set SPID does not exist in the Central Systems</u>
XA	<u>Licensed Provider rejects registration for a new Supply Point</u>
AD	<u>Licensed Provider confirms invalid new Supply Point Meter read submitted as re-read. An exact duplicate Ignore Read does not exist for the Meter Read</u>
AE	<u>Change not allowed (Trading SPID must be updated with an Update Transaction) SPID status must be Tradeable.</u>
AF	<u>OBSOLETE : WS data overrides SS data SPID status must be New.</u>
AG	<u>SS SPID data cannot overwrite WS SPID data</u>
AH	<u>SPID status is TDISC or Reconnected Read Type not Initial Meter Read for new Meter</u>
AI	<u>Confirmed Connection Date not must be in the past (upon receipt)</u>
AJ	<u>Data required to complete new Supply Point SPID process has not been received i.e. no chargeable SEs exist/ an RV is required.</u>
AK	Transfer Registration Rejected: Registration Start Date outside permitted window
AL	<u>Licensed Provider nominated by Scottish Water has rejected registration for a new Supply Point SPID</u>
AM	Invalid Cancellation: Outside Cancellation Window
AN	<u>Transfer Read not received post RSD Sender must be a Licensed Provider or the meter is a Pseudo meter</u>
AO	Taps/Troughs must be Farm or Croft
AP	<u>OBSOLETE : Transfer Registration Rejected: SPID unmetered Meter is PDISC or has been swapped and is Old meter</u>
AQ	Transfer Registration Rejected: Registration to other Applicant already in progress.
AR	Transfer Registration Rejected: Applicant already registered to SPID or transfer to Applicant already pending.
AS	<u>Cancellation request not applicable to this Licensed Provider</u>
AT	<u>Meter Read Rejected: Read type inappropriate</u>
AU	<u>SPID Disconnection date not must be today or in the past</u>
AV	<u>SPID status must be Partial or Tradeable Read Type not Final Meter Read for Disconnected SPID</u>
AW	<u>Sender must be a Licensed Provider with an Active Registration No Final Meter Read received for Disconnected SPID</u>
AX	Transfer Registration Rejected: SPID is Disconnected
AY	<u>Old meter must be active Meter Change Rejected: Transaction incomplete</u>
AZ	<u>Cannot add meter - is SS SPIDA meter can only be added to a WS SPID</u>
BA	Cannot make SPID Unmeasurable: Has meter
BB	<u>RESERVED FOR FUTURE USE Data rejected: Licensed Provider not registered for this SPID</u>
BC	Meter Read Rejected: Meter not associated to SPID (mismatch)
BD	<u>DO NOT REUSED Deleted in Version 1.4; replaced by BH, BL, BN, BV and BZ.</u>
BE	Meter Read Rejected: outside meter capacity limit
BF	A read for this date already exists
BG	<u>Meter Read Rejected: Licensed Provider not registered to SPID</u>
BH	Meter Read Rejected: daily usage too high
BI	<u>New meter read date must be the same or after the old meter read date</u>

BL	Meter Read Rejected: daily usage too low
BN	Meter Read Rejected: small negative meter advance; would create a negative charge
BV	Meter Read Rejected: negative meter advance larger than 3m3 per day; would create a negative charge
BZ	Meter Read Rejected: zero meter advance
BG	<u>Meter Read Rejected: Licensed Provider not registered to SPID</u>
DA	<u>The Participant does not have the required rights to make this request DO NOT REUSE</u>
DB	<u>Invalid Operation WS SPID and/or SS SPID does not exist in the Central Systems</u>
DC	<u>Supply point is not of the correct type for this request Transaction must be for a WS SPID</u>
DD	Service category already exists for this connection
DE	<u>Old and New Meters incompatible for meter swap. Old Meter is not a domestic meter</u>
DF	Effective From date predates previous change
DG	Meter not associated to SPID
DH	Cannot complete connection of sewerage service before the related water service
DI	<u>Transaction not permitted SPID has passed the switching limit</u>
DJ	<u>Data Value not permitted Transaction must contain: Sender, Recipient, Timestamp, SPID.</u>
DK	Effective From Date cannot be in the future
DL	<u>Reserved for future use Sender must be wholesaler.</u>
DM	Discharge Point already exists
DN	Discharge Point is discontinued
DO	SPID and DPID are not associated
DP	Discharge Point not associated with the water meter
DQ	Discharge Point already discontinued
DR	<u>Discharge Point ID does not exist in the Central Systems</u>
DS	TE Allowance plus Return to Sewerage Allowance cannot exceed 100%
DT	<u>Cannot associate a Discharge Point with a water meter that doesn't exist in the Central Systems.</u>
DU	<u>Duplicate Data Item DO NOT REUSE</u>
DV	Invalid Customer Name
DW	Customer Name is not present
DX	SPID does not exist or it is a Sewerage SPID that is paired with a Water SPID
DY	Meter Is a Pseudo Meter
DZ	<u>Either SPID or Registration Start date is not valid.</u>
EA	<u>String does not conform to GIS Specification</u>
EB	<u>Comments field must be populated. The comment must be between 1 and 255 characters long</u>
EC	<u>No GIS data provided</u>
ED	<u>Reserved For Future Use Transaction must be for a SS SPID</u>
EE	CS disagrees with the Rollover Indicator provided
EF	<u>Unable to determine the rollover status. Please supply the Rollover Indicator</u>
EG	<u>There are no Licensed Providers available for Gap Site allocation</u>
EH	<u>All other values with the exception of the Rollover Indicator matched a previous read for the same date</u>
EI	<u>The Rollover Indicator may not be present on an O or an I read</u>
EJ	<u>SPID status must be connected.</u>
EK	<u>Message does not contain Org SenderID or Org Recipient ID</u>
EL	<u>Message must contain SPID and Effective From Date</u>
EM	<u>SPID status is Disconnected, it must be connected or TDISC</u>
EN	<u>SPID status is TDISC</u>
EO	<u>SPID status is reconnected</u>
EP	<u>SPID does not have an active registration</u>
EQ	<u>SPID status must be new or partial</u>

<u>ER</u>	<u>The unmeasurable Service Element on the SPID already has an Effective To date set</u>
<u>ES</u>	<u>TA cannot be set. Associated Water SPID is disconnected</u>
<u>ET</u>	<u>SPID status is disconnected or SPID has Transitional Indicator set to true</u>
<u>EU</u>	<u>SPID status is Unmeasureable</u>
<u>EV</u>	<u>SPID status must be partial or connected</u>
<u>EW</u>	<u>SPID status is disconnected or has been rejected.</u>
<u>EX</u>	<u>Licensed Provider Org ID does not match Sender Org ID</u>
<u>EY</u>	<u>Meter does not exist in the Central Systems</u>
<u>EZ</u>	<u>Meter is a Pseudo Meter</u>
<u>FA</u>	<u>Meter already exists in the Central Systems</u>
<u>FB</u>	<u>Meter ID must be included in the transaction</u>
<u>FC</u>	<u>Meter Make must be included in the transaction</u>
<u>FD</u>	<u>Meter Serial Number must be included in the transaction</u>
<u>FE</u>	<u>SPID status is Umeasureable or it is a special case (i.e. TA set and has one service element and that SE is unmeasurable)</u>
<u>FF</u>	<u>Meter Read Frequency must be N</u>
<u>FG</u>	<u>Chargeable Meter Size must be 20mm</u>
<u>FH</u>	<u>Meter is attached to a SPID and a SPID must be provided</u>
<u>FI</u>	<u>Meter does not exist in the Central Systems or is a Pseudo meter.</u>
<u>FJ</u>	<u>SPID status must be Tradeable or TDISC</u>
<u>FK</u>	<u>Meter is a non-market meter and is not linked to a SPID</u>
<u>FL</u>	<u>Meter does not exist in the Central Systems</u>
<u>FM</u>	<u>Both old and new meter must be included in the transaction</u>
<u>FN</u>	<u>Old and/or New Meter does not exist in the Central Systems</u>
<u>FO</u>	<u>Meter either has previous reading or old meter read type is not E and/or New Meter Read type is not O</u>
<u>FP</u>	<u>Meter is discontinued or has already been swapped</u>
<u>FQ</u>	<u>Old and/or New meter is a Pseudo meter</u>
<u>FR</u>	<u>Old and New meters must contain same chargeable size and RTS.</u>
<u>FS</u>	<u>Old and New meters incompatible for meter swap. New meter is in meter network</u>
<u>FT</u>	<u>New meter must be active or pending</u>
<u>FU</u>	<u>Sender does not exist in Central Systems</u>
<u>FV</u>	<u>Meter Read date is earlier than the Effective To date of Unmeasurable Service Elements associated with the Supply Point</u>
<u>FW</u>	<u>Read is a Duplicate Initial Read or Duplicate Final Read</u>
<u>FX</u>	<u>Meter read must be on a date after the last meter reading</u>
<u>FY</u>	<u>Initial Meter Reading Rejected: Meter Readings already exist</u>
<u>FZ</u>	<u>Transaction must contain SPID and SPID Sender Org Id or Recipient Org ID.</u>
<u>GA</u>	<u>SPID status must be Partial</u>
<u>GB</u>	<u>Effective Date and/or Metered Building Water Flag values must be different to the current values in the Central Systems</u>
<u>GC</u>	<u>Effective Date must be on or after 1 April 2011</u>
<u>GD</u>	<u>The WS SPID Status must be new or partial, the SS SPID Status must be partial or tradeable</u>
<u>XA</u>	<u>Licensed Provider rejects registration for a new SPID</u>

Code	Description	History
OK	<i>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</i>	
AA	SPID Service Type (Tag) does not match a 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 to other Applicant already in progress.	
AR	Transfer Registration Rejected: Applicant already registered to SPID or transfer to Applicant already pending.	
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	
DB	Invalid Operation	
DC	Supply point is not of the correct type for this request	
DD	Service category already exists for this connection	
DE	Old and New Meters incompatible for meter swap	
DF	Effective From date predates previous change	
DG	Meter not associated to SPID	
DH	Cannot complete connection of sewerage service before the related water service	
DI	Transaction not permitted	Upd 1.5
DJ	Data Value not permitted	Upd 1.5

DK	Effective From Date cannot be in the future	
DL	Reserved for future use	
DM	Discharge Point already exists	
DN	Discharge Point is discontinued	
DO	SPID and DPID are not associated	
DP	Discharge Point not associated with the water meter	
DQ	Discharge Point already discontinued	
DR	Discharge Point ID does not exist	
DS	TE Allowance plus Return to Sewerage Allowance cannot exceed 100%	
DT	Cannot associate a Discharge Point with a water meter that doesn't exist.	
DU	Duplicate Data Item	
DV	Invalid Customer Name	
DW	Customer Name is not present	
DX	SPID does not exist or it is a Sewerage SPID that is paired with a Water SPID	
DY	Meter Is a Pseudo Meter	
EA	String does not conform to GIS Specification	
EB	Comments field must be populated	
EC	No GIS data provided	
ED	Reserved For Future Use	
EE	CS disagrees with the Rollover Indicator provided	
EF	Unable to determine the rollover status. Please supply the Rollover Indicator	
EG	There are no LPs available for Gap Site allocation	
EH	All other values with the exception of the Rollover Indicator matched a previous read for the same date	
EI	The Rollover Indicator may not be present on an O or an I read	

4. Transactions

4.1 Overview

Data transactions are defined using the following parameters:

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

Key

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

Flag	Description
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 ¹	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
<u>Notify/Update Metered Building Water</u>	<u>T033.0</u>
<u>Notify Metered Building Water</u>	<u>T033.1</u>
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

¹ Transacton Disabled

Name	Transaction
Notify TE Operating Data	T022.1
Notify TE Schedule 3	T028.0
Notify TE Schedule 3	T028.1
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)

Transaction Number	T001.0	
Transaction Name	Request New SPID	
From	SW	
To	CMA	
DI #	Name	FLAG
D4001	Organisation ID	OP
D2009	SW Connection Reference	RQ
D2002	Service Category (SPID tag)	RQ
D2001	SPID (see note below)	OP
D2023	New Connection Type	RQ
D5001	Free Descriptor	OP
D5002	Sub Building Name	OP
D5003	Building Name	OP
D5004	Building Number	OP
D5005	Dependent Thoroughfare Name	OP
D5006	Dependent Thoroughfare Descriptor	OP
D5007	Thoroughfare Name	OP
D5008	Thoroughfare Descriptor	OP
D5009	Double Dependent Locality	OP
D5010	Dependent Locality	OP
D5011	Post Town	OP
D5012	County	OP
D5013	Postcode	OP
Description	<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>	

Transaction Number	T002.0	
Transaction Name	Notify New SPID	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	RQ
D2009	SW Connection Reference	RQ
D2023	New Connection Type	RQ
D5001	Free Descriptor	OP
D5002	Sub Building Name	OP
D5003	Building Name	OP
D5004	Building Number	OP
D5005	Dependent Thoroughfare Name	OP
D5006	Dependent Thoroughfare Descriptor	OP
D5007	Thoroughfare Name	OP
D5008	Thoroughfare Descriptor	OP
D5009	Double Dependent Locality	OP
D5010	Dependent Locality	OP
D5011	Post Town	OP
D5012	County	OP
D5013	Postcode	OP
Description	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	

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

Transaction Number	T003.0	
Transaction Name	Partial Registration Application	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
Description	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)	

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

Transaction Number	T004.0	
Transaction Name	Notify Meter Details	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID	RQ
D3004	Number of Digits	RQ
D3003	Physical Meter Size	RQ
D3002	Chargeable Meter size	RQ
D3011	Meter Read Frequency	RQ
D3007	Non-Return to Sewer Allowance	RQ
D3005	Sewerage Chargeable Meter Size	RQ
D3013	Meter Make	RQ
D3014	Meter Serial Number	RQ
D3015	Datalogger_SW	OP
D3016	Datalogger_NonSW	OP
D3017	GISX	OP
D3018	GISY	OP
D3019	GISZFreeDescriptor	OP
D5001	Free Descriptor	OP
D5002	Sub Building Name	OP
D5003	Building Name	OP
D5004	Building Number	OP
D5005	Dependent Thoroughfare Name	OP
D5006	Dependent Thoroughfare Descriptor	OP
D5007	Thoroughfare Name	OP
D5008	Thoroughfare Descriptor	OP
D5009	Double Dependent Locality	OP
D5010	Dependent Locality	OP
D5011	Post Town	OP
D5012	County	OP
D5013	Postcode	OP
Description	<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>	

Transaction Number	T004.1	
Transaction Name	Notify Meter Details	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID	RQ
D3004	Number of Digits	RQ
D3003	Physical Meter Size	RQ
D3002	Chargeable Meter size	RQ
D3011	Meter Read Frequency	RQ
D3007	Non-Return to Sewer Allowance	RQ
D3005	Sewerage Chargeable Meter Size	RQ
D3013	Meter Make	RQ
D3014	Meter Serial Number	RQ
D3015	Datalogger_SW	OP
D3016	Datalogger_NonSW	OP
D3017	GISX	OP
D3018	GISY	OP
D3019	GISZFreeDescriptor	OP
D2010	YVe	OP
D5001	Free Descriptor	OP
D5002	Sub Building Name	OP
D5003	Building Name	OP
D5004	Building Number	OP
D5005	Dependent Thoroughfare Name	OP
D5006	Dependent Thoroughfare Descriptor	OP
D5007	Thoroughfare Name	OP
D5008	Thoroughfare Descriptor	OP
D5009	Double Dependent Locality	OP
D5010	Dependent Locality	OP
D5011	Post Town	OP
D5012	County	OP
D5013	Postcode	OP
Description	<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>	

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

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

Transaction Number	T005.0	
Transaction Name	Meter Read	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID	RQ
D3008	Meter Read	RQ
D3009	Meter Read Date	RQ
D3010	Meter Read Type	RQ
D3012	Re-Read	OP
D3020	Rollover Indicator	OP
Description	<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>	

Transaction Number	T005.1	
Transaction Name	Meter Read	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID	RQ
D3008	Meter Read	RQ
D3009	Meter Read Date	RQ
D3010	Meter Read Type	RQ
D3012	Re-Read	OP
D3020	Rollover Indicator	OP
Description	<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>	

Transaction Number	T005.2	
Transaction Name	Meter Read	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID	RQ
D3008	Meter Read	RQ
D3009	Meter Read Date	RQ
D3010	Meter Read Type	RQ
D3012	Re-Read	OP
D3021	Rollover Flag	RQ
Description	<p>A notification from the CMA of a Meter Read to the LP. Sent when the read is not submitted by the LP or when the read is submitted by the LP to return a read with the associated rollover flag.</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>	

Transaction Number	T005.3	
Transaction Name	Meter Read	
From	CMA	
To	SW	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID	RQ
D3008	Meter Read	RQ
D3009	Meter Read Date	RQ
D3010	Meter Read Type	RQ
D3012	Re-Read	OP
D3021	Rollover Flag	RQ
Description	<p>A notification from the CMA of a Meter Read to SW. Sent when the read is not submitted by SW or when the read is submitted by SW to return a read with the associated rollover flag.</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>	

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

Transaction Number	T006.1	
Transaction Name	Provide SS SPID Data	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2005	Customer Classification	OP
D2008	SIC Code	OP
D2011	Rateable Value	OP
Description	<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>	

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

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

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

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

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

Transaction Number	T007.1	
Transaction Name	Notify Connection Complete (SS)	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2013	Connection Date	RQ
Description	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	

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

Transaction Number	T008.0	
Transaction Name	Notify RSD	
From	CMA	
To	LP(o)	
DI #	Name	FLAG
D2001	SPID	RQ
D4002	Registration Start Date	RQ
Description	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.	

Transaction Number	T008.1	
Transaction Name	Notify RSD	
From	CMA	
To	LP(i)	
DI #	Name	FLAG
D2001	SPID	RQ
D4002	Registration Start Date	RQ
Description	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.	

Transaction Number	T009.0	
Transaction Name	Error / Notification	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	OP
D4004	Error/Return Code	RQ
D1008	Data Item Reference	OP
Description	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	

Transaction Number	T009.1	
Transaction Name	Error / Notification	
From	CMA	
To	SW	
DI #	Name	FLAG
D2001	SPID	OP
D4004	Error/Return Code	RQ
D1008	Data Item Reference	OP
Description	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	

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

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

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

Transaction Number	T010.1	
Transaction Name	Registration Cancellation	
From	LP(o)	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D4003	Text Comment Field	RQ
D4005	Cancellation Code	RQ
Description	Request to cancel a registration by the Outgoing LP	

Transaction Number	T011.0	
Transaction Name	Notify Registration Cancellation	
From	CMA	
To	LP(i)	
DI #	Name	FLAG
D2001	SPID	RQ
D4005	Cancellation Code	RQ
D4003	Text Comment Field	RQ
Description	Notification from the CMA to an Incoming LP of Cancellation of a Registration	

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

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

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

Transaction Number	T013.0	
Transaction Name	Update Meter Data	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
D4006	Effective From	RQ
D3001	Meter ID	RQ
D3011	Meter Read Frequency	OP
D3013	Meter Make	OP
D3014	Meter Serial Number	OP
D3003	Physical Meter Size	OP
D3004	Number of Digits	OP
D3015	Datalogger_SW	OP
D3016	Datalogger_NonSW	OP
D3017	GISX	OP
D3018	GISY	OP
D3019	GISZFreeDescriptor	OP
D4003	Text Comment Field	OP
D5001	Free Descriptor	OP
D5002	Sub Building Name	OP
D5003	Building Name	OP
D5004	Building Number	OP
D5005	Dependent Thoroughfare Name	OP
D5006	Dependent Thoroughfare Descriptor	OP
D5007	Thoroughfare Name	OP
D5008	Thoroughfare Descriptor	OP
D5009	Double Dependent Locality	OP
D5010	Dependent Locality	OP
D5011	Post Town	OP
D5012	County	OP
D5013	Postcode	OP
Description	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.	

Transaction Number	T013.1	
Transaction Name	Notify Meter Data	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	OP
D4006	Effective From	RQ
D3001	Meter ID	RQ
D3011	Meter Read Frequency	OP
D3013	Meter Make	OP
D3014	Meter Serial Number	OP
D3003	Physical Meter Size	OP
D3004	Number of Digits	OP
D3015	Datalogger_SW	OP
D3016	Datalogger_NonSW	OP
D3017	GISX	OP
D3018	GISY	OP
D3019	GISZFreeDescriptor	OP
D4003	Text Comment Field	OPRQ
D5001	Free Descriptor	OP
D5002	Sub Building Name	OP
D5003	Building Name	OP
D5004	Building Number	OP
D5005	Dependent Thoroughfare Name	OP
D5006	Dependent Thoroughfare Descriptor	OP
D5007	Thoroughfare Name	OP
D5008	Thoroughfare Descriptor	OP
D5009	Double Dependent Locality	OP
D5010	Dependent Locality	OP
D5011	Post Town	OP
D5012	County	OP
D5013	Postcode	OP
Description	<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>	

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

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

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

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

Transaction Number	T016.0	
Transaction Name	Set SPID Unmeasurable Status	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2024	Unmeasurable	RQ
D4006	Effective From	RQ
Description	This transaction is used to set the Unmeasurable status of a SPID. The status may be set to True or False	

Transaction Number	T016.1	
Transaction Name	Notify SPID Unmeasurable Status	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	RQ
D2024	Unmeasurable	RQ
Description	Used to notify LP of T016.0	
D4006	Effective From	RQ

Transaction Number	T017.0	
Transaction Name	Notify Swap Meter	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID (OLD METER)	RQ
D3008	Meter Read (OLD METER)	RQ
D3009	Meter Read Date (OLD METER)	RQ
D3010	Meter Read Type (OLD METER)	RQ
D3020	Rollover Indicator (OLD METER)	OP
D3020	Rollover Indicator (NEW METER)	OP
D3012	Re-Read	OP
D3001	Meter ID (NEW METER)	RQ
D3008	Meter Read (NEW METER)	RQ
D3009	Meter Read Date (NEW METER)	RQ
D3010	Meter Read Type (NEW METER)	RQ
Description	<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>	

Transaction Number	T017.1	
Transaction Name	Notify Swap Meter	
From	CMA	
To	LP/SW	
DI #	Name	FLAG
D2001	SPID	RQ
D3001	Meter ID (OLD METER)	RQ
D3008	Meter Read (OLD METER)	RQ
D3009	Meter Read Date (OLD METER)	RQ
D3010	Meter Read Type (OLD METER)	RQ
D3021	Rollover Flag (OLD METER)	RQ
D3021	Rollover Flag (NEW METER)	RQ
D3001	Meter ID (NEW METER)	RQ
D3008	Meter Read (NEW METER)	RQ
D3009	Meter Read Date (NEW METER)	RQ
D3010	Meter Read Type (NEW METER)	RQ
Description	<p>Notification to an LP of the meter swap and notification to SW of the meter swap, specifically the End Read from the old meter and the associated rollover flag.</p>	

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

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

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

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

Transaction Number	T021.1	
Transaction Name	Notify DPID	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	RQ
D6001	DPID	RQ
D4006	Effective From	RQ
D6003	CDV	RQ
D6004	sBODL	RQ
D6005	TSSL	RQ
D6006	Ot	RQ
D6007	St	RQ
D6009	Non-domestic Allowance	RQ
D6010	Seasonal Discharge Indicator	RQ
D6002	TE YVe	RQ
D5001	Free Descriptor	OP
D5002	Sub Building Name	OP
D5003	Building Name	OP
D5004	Building Number	OP
D5005	Dependent Thoroughfare Name	OP
D5006	Dependent Thoroughfare Descriptor	OP
D5007	Thoroughfare Name	OP
D5008	Thoroughfare Descriptor	OP
D5009	Double Dependent Locality	OP
D5010	Dependent Locality	OP
D5011	Post Town	OP
D5012	County	OP
D5013	Postcode	OP
Description	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	

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

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

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

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

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

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

Transaction Number	T025.0	
Transaction Name	Notify TE Volume	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D6001	DPID	RQ
D6008	Actual Volume Discharged	RQ
D3009	Meter Read Date	RQ
Description	<p>Notification of Trade Effluent Volume for Settlement calculations. Each notification should be for the volume measured since the previous T025.0 notification.</p> <p>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).</p>	

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

Transaction Number	T025.2	
Transaction Name	Notify TE Volume	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D6001	DPID	RQ
D6008	Actual Volume Discharged	RQ
D3009	Meter Read Date	RQ
Description	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).	

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

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

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

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

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

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

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

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

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

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

Transaction Number	T030.0	
Transaction Name	Notify DP Meter Reads	
From	CMA	
To	SW	
DI #	Name	FLAG
D2001	SPID	OP
D6001	DPID	RQ
D3001	Meter ID	RQ
D3008	Read	RQ
D3009	Read Date	RQ
D3010	Read Type	RQ
D3012	Re-Read	RQ
D3021	Rollover Flag	RQ
Description	Notification of meter read for meters associated to a Discharge Point	

Transaction Number	T030.1	
Transaction Name	Notify DP Meter Reads	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	OP
D6001	DPID	RQ
D3001	Meter ID	RQ
D3008	Read	RQ
D3009	Read Date	RQ
D3010	Read Type	RQ
D3012	Re-Read	RQ
D3021	Rollover Flag	RQ
Description	Notification of meter read for meters associated to a Discharge Point	

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

Transaction Number	T032.0	
Transaction Name	Create Update Customer Name	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2027	Customer Name	RQ
D2028	Customer Name Type	RQ
Description	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	

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

<u>Transaction Number</u>	<u>T033.0</u>	
<u>Transaction Name</u>	<u>Notify/Update Metered Building Water</u>	
<u>From</u>	<u>SW</u>	
<u>To</u>	<u>CMA</u>	
<u>DI#</u>	<u>NAME</u>	<u>FLAG</u>
<u>D2001</u>	<u>SPID</u>	<u>RQ</u>
<u>D2029</u>	<u>Metered Building Water</u>	<u>RQ</u>
<u>D2030</u>	<u>Metered Building Water Effective Date</u>	<u>RQ</u>
<u>Description</u>	<u>Data flow to be used by Scottish Water to set the Metered Building Water status for a SPID to state if the SPID is on a metered building construction site; the accompanying effective date in the data flow will specify when the state (True or False) came into effect</u>	

<u>Transaction Number</u>	<u>T033.1</u>	
<u>Transaction Name</u>	<u>Notify Metered Building Water</u>	
<u>From</u>	<u>CMA</u>	
<u>To</u>	<u>LP</u>	
<u>DI#</u>	<u>NAME</u>	<u>FLAG</u>
<u>D2001</u>	<u>SPID</u>	<u>RQ</u>
<u>D2029</u>	<u>Metered Building Water</u>	<u>RQ</u>
<u>D2030</u>	<u>Metered Building Water Effective Date</u>	<u>RQ</u>
<u>Description</u>	<u>Update Notification Data flow to be used by the CMA to inform LP(s) of the associated SPID(s) of the Metered Building Water flag and effective date following a T033.0 flow from SW</u>	

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:

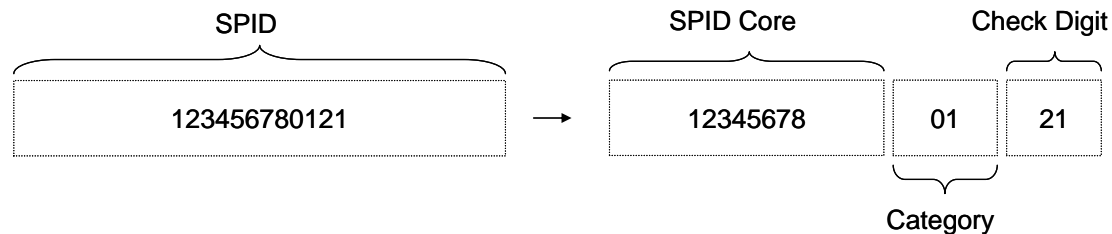


Figure 1 - SPID

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 1st April 2008 are pre-fixed [1]. Thus the very first SPID Core number created is [10000001]
 - b. SPID Cores created post 1st 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.