

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

1.9	11/11/11	Introduction of T033.0, T033.1  Updating Error Codes  Schema Changes for Validity	MCCP081-CC  MCCP082  MCCP089	Sections 2.2,2.3, 3.3, 4.2, 4.3  Section 4.2  Section 4.3
1.10	30/03/2012	Deregistration  Vacancy Admin Charging Scheme	MCCP052 – 079 MCCP091-CC	Section 4.2, 4.3 Sections 2.2, 2.3, 3.2, 3.3, 4.2 and 4.3
2.0	21/06/2012	Addition of T035.0 and T035.1 and associated new Error Codes	MCCP093 / MCCP102	Sections 3.3, 4.2 and 4.3
3.0	28/09/2012	September 2012 Release Document Update	MCCP114-CC	Sections 3.3,
4.0	12/04/2013	Trade Effluent, Error codes for duplicate meter reads and Accredited Entities.	MCCP095, MCCP 109, MCCP 113	
5.0	19/09/2013	Meter Location, SEES and Drainage, TI Flags, Duplicate MIDs and HVI Access for SW	MCCP104, MCCP105, MCCP112, MCCP123, MCCP125, MCCP126	Sections 1, 2 and 3
6.0	2014-03-21	Meter Networks, TE, extra data for SW and extra Gap Site allocation data	MCCP128 MCCP129 MCCP131 MCCP133	Sections 2, 3 and 4
7.0	2014-09-21	Data Items to support the automation of POLR and LVI access	MCCP124 MCCP142	
8.0	2015-03-31	SGES  SAA Refs/UPRNs S Reads March 2015 CSD Drafting	MCCP161-CC MCCP127 MCCP141 MCCP163	Section 2, 3 and 4
9.0	2015-06-03	Reason Code Changes for S Read	MCCP177	Section 3.2
10.0	2015-06-24	New Error Codes for T015.0 as an ER	MCCP179	Section 3.3
11.0	2015-09-24	Minor Changes	MCCP172	Sections 3.2, 3.3 and 4.2
12.0	2016-03-18	Error Code Refinements Data Validations March 2016 CSD Drafting	MCCP175 MCCP182 MCCP187	Sections 1.1, 2, 3.3
13	2016-05-05	Use of S reads for POLR	MCCP192	Sections 3.2 & 4.3
14	2016-09-30	T10/T11 name changes LP Conn Ref Update to two Error Cods	MCCP196 MCCP197 MCCP198	Sections 2, 3 and 4
15	2017-03-16	Live RVs March 2017 Sweep Up	MCCP201 MCCP205	Error Code Updates

1.	Purpose and Scope	<b>5</b>
1.1	Annexes	5
2.	Data Items	<b>6</b>
2.1	Overview	6
2.2	LVI View of Data Items	7
2.3	Alphabetical List of Data Items	7
2.4	Catalogue: Data Items (numerical order)	10
3.	Data Items Valid Set	<b>42</b>
3.1	Overview	42
3.2	Valid Sets	42
3.3	Error / Return Code Set	45
4.	Transactions	<b>50</b>
4.1	Overview	50
4.2	Alphabetical List of Data Transactions	51
4.3	Catalogue: Transactions (numerical order)	53
5.	Supply Point Identifier (SPID)	<b>92</b>
5.1	Verifying the Check Digit	93
5.2	Business Day Hours	93

# 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. 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 above are Annexes as follows:

- Annex A: HVI
  - Transport & security
  - Web Services Communication Protocol
  - XML Schema for Transactions & Data Items
  - Web Services WSDL Description
  - Data Conventions for both HVI and LVI.

## 2. Data Items

### 2.1 Overview

Data items are defined using the following parameters:

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

#### Key 1

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

#### Key 2

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

## 2.2 LVI View of Data Items

Market Participant	LVI view of Data Items
Licensed Providers (LPs)	LP LVI users have access to see all of the Data Items listed in Section 2.3.
Wholesaler	Wholesaler LVI users can see all of the Data Items listed in Section 2.3
CMA	CMA LVI users have access to view all of the Data Items listed in Section 2.3

## 2.3 Alphabetical List of Data Items

Name	Date Item
29e	D2006
Accredited Entity Install	D2033
Accredited Entity Install	D3023
Actual Volume Discharged	D6008
Allocation Method	D2034
Building Name	D5003
Building Number	D5004
Cancellation Code	D4005
Chargeable Daily Volume	D6003
Chargeable Meter Size	D3002
Connection Date	D2013
County	D5012
Cryptographic Hash	D4008
Cryptographic Hash Algorithm	D4009
Customer Classification	D2005
Customer Name	D2027
Customer Name Type	D2028
Datalogger_NonSW	D3016
Datalogger_SW	D3015
Data Item Reference	D1008
Data Transaction Reference	D1001
Date of Evidence	D4007
Dependent Locality	D5010
Dependent Thoroughfare Descriptor	D5006
Dependent Thoroughfare Name	D5005
Discharge Point ID	D6001
Disconnection/Reconnection / Deregistration	D2025
Double Dependent Locality	D5009
Duplicate Message ID	D1009
Effective From	D4006
Error/Return Code	D4004
EWA	D2026
Exempt Customer Flag	D2004
Farm/Croft	D2014
Fixed Allowance	D6013
Flow Reference	D1003
Free Descriptor	D5001
Gap Site Status	D4017
GISX	D3017
GISY	D3018
GISZFreeDescriptor	D3019

<b>Name</b>	<b>Date Item</b>
Large User Volume Agreement	D2007
Live Rateable Value	D2042
LP Connection Reference	D2043
LP Challenged Vacancy Application Flag	D2032
Main Meter ID	D3027
Main SPID	D2035
Manufacturer Meter Serial Number	D3014
MDVol	D3024
Message ID	D1002
Meter ID	D3001
Meter Make	D3013
Meter Network Association	D3026
Meter Location Code	D3025
Meter Read	D3008
Meter Read Date	D3009
Meter Read Frequency	D3011
Meter Read Type	D3010
Meter Treatment	D3022
Metered Building Water	D2029
Metered Building Water Effective Date	D2030
New Connection Type	D2023
Non-domestic Allowance	D6009
Non-Return to Sewer Allowance	D3007
Number of Digits	D3004
Organisation ID	D4001
Ot	D6006
Outside Taps	D2020
Pcent Allowance	D6012
Pcent Exemption	D2041
Physical Meter Size	D3003
POLR Status	D4015
Post Town	D5011
Postcode	D5013
Property Drainage	D2016
Rateable Value	D2011
Recipient Org ID	D1006
Registration Start Date	D4002
Re-Read	D3012
Roads Drainage	D2017
Rollover Flag	D3021
Rollover Indicator	D3020
SAA_Reference Number	D2037
SAA Reference Number Absence Code	D2038
sBODL	D6004
Schedule 3	D2003
Seasonal Discharge Indicator	D6010
Sender Org ID	D1005
Service Category	D2002
Sewerage Chargeable Meter Size	D3005
Sewerage SP LP Org ID	D4012
SIC Code	D2008
SPID	D2001
SPID Vacant	D2015



<b>Name</b>	<b>Date Item</b>
S Read Reason Code	D3028
S Read Remedial Work Indicator	D3029
St	D6007
Sub Building Name	D5002
Sub-meter ID	D3006
Sub SPID	D2036
Surface Area	D2012
SW Connection Reference	D2009
TETreatment	D6011
TE YVe	D6002
Text Comment Field	D4003
Thoroughfare Descriptor	D5008
Thoroughfare Name	D5007
Trading Party Name	D4013
Trading Party Service	D4016
Trading Party Type	D4014
Transaction Timestamp	D1007
Troughs & Drinking Bowls	D2018
TSSL	D6005
Unmeasurable	D2024
UPRN	D2039
UPRN Absence Code	D2040
Vacancy Change Flag	D2031
Vacancy Change Grace Period	D4010
Water SP LP Org ID	D4011
YVe	D2010

## 2.4 Catalogue: Data Items (numerical order)

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

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

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

<b>Data Item Number:</b>	<b>D1004 Removed March 2015</b>
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<b>Data Item Number:</b>	<b>D1005</b>
<b>Data Item Name:</b>	Sender Org ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Organisation ID of organisation sending a Data Transaction

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

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

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

<b>Data Item Number:</b>	<b>D1009</b>
<b>Data Item Name:</b>	Duplicate Message ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	System
<b>Correction Method:</b>	n/a
<b>Data Owner:</b>	n/a
<b>Description:</b>	Identifies the MID that has been duplicated
<b>Further Details :</b>	n/a

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



<b>Data Item Number:</b>	<a href="#">D2019 Removed September 2013</a>
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<b>Data Item Number:</b>	<a href="#">D2020</a>
<b>Data Item Name:</b>	Outside Taps
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Category)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Indicates whether or not the Supply Point receives this service (and how many)

<b>Data Item Number:</b>	<a href="#">D2021 Removed September 2013</a>
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<b>Data Item Number:</b>	<a href="#">D2022 Removed September 2013</a>
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<b>Data Item Number:</b>	<a href="#">D2023</a>
<b>Data Item Name:</b>	New Connection Type
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Identifies the type of connection for a new Supply Point

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

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

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

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

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

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

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

<b>Data Item Number:</b>	<b>D2031</b>
<b>Data Item Name:</b>	Vacancy Change Flag
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Declares that a vacancy change application should proceed (if set to True), or should be cancelled (if set to False).

<b>Data Item Number:</b>	<b>D2032</b>
<b>Data Item Name:</b>	LP Challenged Vacancy Application Flag
<b>Data Item Logical Type:</b>	boolean
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Declares that an LP has raised a challenge against an SW vacancy change application.

<b>Data Item Number:</b>	<b>D2033</b>
<b>Data Item Name:</b>	Accredited Entity Install
<b>Data Item Logical Type:</b>	Boolean
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Declares whether a water connection install was carried out by an Accredited Entity

<b>Data Item Number:</b>	<b>D2034</b>
<b>Data Item Name:</b>	Allocation Method
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	CMA
<b>Description:</b>	Identifies how the CMA has allocated a Gap Site to an LP.

<b>Data Item Number:</b>	<b>D2035</b>
<b>Data Item Name:</b>	Main SPID
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	Yes
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Supply Point
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	SPID identifier allocated to each Supply Point by the CMA and used to identify the SPID attached to the main meter in a meter network association

<b>Data Item Number:</b>	<b>D2036</b>
<b>Data Item Name:</b>	Sub SPID
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	Yes
<b>Member of Valid Set:</b>	Yes

<b>Data Group:</b>	Supply Point
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	SPID identifier allocated to each Supply Point by the CMA and used to identify the SPID attached to the sub meter in a meter network association where the meter is not domestic

<b>Data Item Number:</b>	<b>D2037</b>
<b>Data Item Name:</b>	SAA Reference Number
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	Scottish Assessors Association Reference

<b>Data Item Number:</b>	<b>D2038</b>
<b>Data Item Name:</b>	SAA Reference Number Absence Code
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	Code to explain the absence of a Scottish Assessors Association Reference

<b>Data Item Number:</b>	<b>D2039</b>
<b>Data Item Name:</b>	UPRN
<b>Data Item Logical Type:</b>	Integer
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	UPRN as published by One Scotland Gazetteer

<b>Data Item Number:</b>	<b>D2040</b>
<b>Data Item Name:</b>	UPRN Absence Code
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	Code to explain the absence of a UPRN

<b>Data Item Number:</b>	<b>D2041</b>
<b>Data Item Name:</b>	Pcent Allowance
<b>Data Item Logical Type:</b>	Numerical
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Supply Point
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	Pcent Allowance applied to Supply points in accordance with the Scottish Government Charitable Exemption Scheme.

<b>Data Item Number:</b>	<b>D2042</b>
<b>Data Item Name:</b>	Live Rateable Value
<b>Data Item Logical Type:</b>	Numerical
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	Live Rateable Value of Eligible Premises in [£]

<b>Data Item Number:</b>	<b>D2043</b>
<b>Data Item Name:</b>	LP Connection Reference
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	SPID (Core)
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW/LP
<b>Description:</b>	Unique reference that a Licenced Provider uses to identify new connections under installation
<b>Further Details:</b>	Used to request and confirm a new SPID. Initially submitted by SW on behalf of an LP.

<b>Data Item Number:</b>	<b>D3001</b>
<b>Data Item Name:</b>	Meter ID
<b>Data Item Logical Type:</b>	simple (string with a restriction on the character set)
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Unique meter identification. This data item is often referred to as Meter Serial Number.

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

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

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

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

	meter size.
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<b>Data Item Number:</b>	<b>D3006</b>
<b>Data Item Name:</b>	Sub-meter ID
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Identifies a meter as a Sub-Meter below a Main Meter in a Meter Network

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

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

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



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

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

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

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

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

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

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

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

<b>Data Item Number:</b>	<b>D3018</b>
<b>Data Item Name:</b>	GISY
<b>Data Item Logical Type:</b>	numerical
<b>Member of unique serial set:</b>	no

<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW
<b>Description:</b>	Specifies the Y coordinate of the location of the meter

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

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

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

<b>Data Item Number:</b>	<b>D3022</b>
<b>Data Item Name:</b>	Meter Treatment
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Specifies whether the meter is a SW Water Meter or one of the various types of Private Meter

<b>Data Item Number:</b>	<b>D3023</b>
<b>Data Item Name:</b>	Accredited Entity Install
<b>Data Item Logical Type:</b>	Boolean
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Declares whether a meter install was carried out by an Accredited Entity

<b>Data Item Number:</b>	<b>D3024</b>
<b>Data Item Name:</b>	MDVol
<b>Data Item Logical Type:</b>	Percentage
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	For a meter Discharge Point association, the percentage of the volume associated with a meter which is discharged to the Discharge Point

<b>Data Item Number:</b>	<b>D3025</b>
<b>Data Item Name:</b>	Meter Location Code
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	LP or SW
<b>Description:</b>	Indicates Meter Position as set out in Scottish Water Meter Code of Practice Appendix 1

<b>Data Item Number:</b>	<b>D3026</b>
<b>Data Item Name:</b>	Meter Network Association
<b>Data Item Logical Type:</b>	Boolean
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Declares whether a meter network association should be added or removed

<b>Data Item Number:</b>	<b>D3027</b>
<b>Data Item Name:</b>	Main Meter ID
<b>Data Item Logical Type:</b>	simple (string with a restriction on the character set)
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	SW
<b>Description:</b>	Identifies a meter as a main-meter above a sub meter in a meter network

<b>Data Item Number:</b>	<b>D3028</b>
<b>Data Item Name:</b>	S Read Reason Code
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP
<b>Description:</b>	Identifies the reason for use of an estimated Transfer Read, instead of an actual Transfer Read

<b>Data Item Number:</b>	<b>D3029</b>
<b>Data Item Name:</b>	S Read Remedial Work Indicator
<b>Data Item Logical Type:</b>	Boolean
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Meter
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	LP
<b>Description:</b>	Identifies whether remedial action has been obtained for a meter associated with a transfer, when an estimated Transfer Read is submitted

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

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

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

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

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

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

<b>Data Item Number:</b>	<b>D4007</b>
<b>Data Item Name:</b>	Date of Evidence
<b>Data Item Logical Type:</b>	date
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Market
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Identifies the date of the site visit made in support of a T034.0 application.

<b>Data Item Number:</b>	<b>D4008</b>
<b>Data Item Name:</b>	Cryptographic Hash
<b>Data Item Logical Type:</b>	hexBinary
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no
<b>Data Group:</b>	Market
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	SW
<b>Description:</b>	Will identify the compiled evidence and will serve to provide a fingerprint for that evidence so that any party at any time can confirm the contents of the contemporary version of the evidence. The hash algorithm used to populate this data item must be that specified in the associated D4009 Cryptographic Hash Algorithm.

<b>Data Item Number:</b>	<b>D4009</b>
<b>Data Item Name:</b>	Cryptographic Hash Algorithm
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	Name of the cryptographic hash algorithm used to derive the value of an associated D4008 Cryptographic Hash.



<b>Data Item Number:</b>	<b>D4010</b>
<b>Data Item Name:</b>	Vacancy Change Grace Period
<b>Data Item Logical Type:</b>	positiveInteger
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	CMA
<b>Description:</b>	Identifies the number of business days from the D4007 Date of Evidence to when a T034.2 and a T034.3 must be provided.

<b>Data Item Number:</b>	<b>D4011</b>
<b>Data Item Name:</b>	Water SP LP Org ID
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	The Organisation ID of an LP. Provided in connection with the Vacancy Admin Charging Scheme.

<b>Data Item Number:</b>	<b>D4012</b>
<b>Data Item Name:</b>	Sewerage SP LP Org ID
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	yes
<b>Member of Valid Set:</b>	yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	The Organisation ID of an LP. Provided in connection with the Vacancy Admin Charging Scheme.

<b>Data Item Number:</b>	<b>D4013</b>
<b>Data Item Name:</b>	Trading Party Name
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No

<b>Data Group:</b>	Market
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	The Organisation name of an LP.

<b>Data Item Number:</b>	<b>D4014</b>
<b>Data Item Name:</b>	Trading Party Type
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	This identifies what form of License an LP possesses.

<b>Data Item Number:</b>	<b>D4015</b>
<b>Data Item Name:</b>	POLR Status
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	Identifies whether an LP has opted out of the POLR process.

<b>Data Item Number:</b>	<b>D4016</b>
<b>Data Item Name:</b>	Trading Party Service
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	Identifies whether the LP has a License and if so, for what service.

<b>Data Item Number:</b>	<b>D4017</b>
<b>Data Item Name:</b>	Gap Site Status
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Market
<b>Correction Method:</b>	N/A
<b>Data Owner:</b>	CMA
<b>Description:</b>	Identifies whether an LP has opted out of the Gap Site allocation process.

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

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

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

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

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

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

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

<b>Data Item Number:</b>	<b>D5008</b>
<b>Data Item Name:</b>	Thoroughfare Descriptor
<b>Data Item Logical Type:</b>	string
<b>Member of unique serial set:</b>	no
<b>Member of Valid Set:</b>	no

<b>Data Group:</b>	Address
<b>Correction Method:</b>	Error Rectification
<b>Data Owner:</b>	SW or LP
<b>Description:</b>	Thoroughfare Descriptor

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<b>Data Item Number:</b>	<b>D6011</b>
<b>Data Item Name:</b>	TE Treatment
<b>Data Item Logical Type:</b>	String
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	Yes
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	The level of treatment provided by Scottish Water to Trade Effluent discharged from the Discharge Point



<b>Data Item Number:</b>	<b>D6012</b>
<b>Data Item Name:</b>	Pcent Allowance
<b>Data Item Logical Type:</b>	Percentage
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	The amount of the Actual Yearly Volume of Water Services of all Meters associated with the Discharge Point, expressed as a percentage, which is not discharged to the Scottish Water sewer; for reasons such as evaporation or use in production.

<b>Data Item Number:</b>	<b>D6013</b>
<b>Data Item Name:</b>	Fixed Allowance
<b>Data Item Logical Type:</b>	Numerical
<b>Member of unique serial set:</b>	No
<b>Member of Valid Set:</b>	No
<b>Data Group:</b>	Trade Effluent
<b>Correction Method:</b>	Retrospective Amendment
<b>Data Owner:</b>	SW
<b>Description:</b>	The amount of the Actual Yearly Volume of Water Services of all meters associated with the Discharge Point, expressed as an annual volume in cubic metres, which is not discharged to the Public Sewerage System for reasons such as evaporation loss, use in production or in relation to Surface Water Drainage Services which are recorded by an Effluent Meter;

## 3. Data Items Valid Set

### 3.1 Overview

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

### 3.2 Valid Sets

DI #	DI Name	Code	Description
<b>D2002</b>	Service Category	<b>01</b>	Identifies Supply Point as Water Services category
		<b>02</b>	Identifies Supply Point as Sewerage Services category
<b>D2005</b>	Customer Classification	<b>LIC</b>	Large Impact Customer
		<b>SST</b>	Sensitive Customer
		<b>NA</b>	Not Applicable
<b>D2014</b>	Farm/Croft	<b>FARM</b>	Farm
		<b>CROFT</b>	Croft or Small Holding
		<b>NA</b>	Not Applicable
<b>D2023</b>	New Connection Type	<b>NEW</b>	Standard new connection
		<b>GS</b>	Gap Site
		<b>CU</b>	Change of Use
<b>D2025</b>	Disconnection/Reconnection	<b>REC</b>	Supply Point Reconnection
		<b>TDISC</b>	Temporary Disconnection
		<b>PDISC</b>	Permanent Disconnection
		<b>DREG</b>	Deregistration
<b>D2028</b>	Customer Name Type	<b>Customer Developer</b>	Customer Name Type
<b>D2034</b>	Allocation Method	<b>Rotation</b>	Allocation Method
		<b>Associated SPID</b>	
<b>D2038</b>	SAA_Reference Number Absence Code	<b>N/A</b>	
		<b>NR</b>	Property Not Yet Rated
		<b>ME</b>	Missing Entry From SAA
		<b>AG</b>	Agricultural Land, Buildings and Troughs
		<b>SR</b>	Fish Farms, Fishing and Sporting Rights
		<b>RC</b>	Parks, Allotments and Sports Grounds
		<b>MT</b>	Multi-Tenancy
		<b>CU</b>	Cumulo Supply Point
		<b>IP</b>	Infrastructure Project
		<b>BW</b>	Building Water
		<b>CP</b>	Car Park
<b>OT</b>	Other		
<b>D2040</b>	UPRN Absence Code	<b>ME</b>	Missing Entry From the OSG
		<b>AG</b>	Agricultural, Including Troughs
		<b>SR</b>	Fish Farms, Fishing and Sporting Rights
		<b>RC</b>	Parks, Allotments and Sports Grounds
		<b>MT</b>	Multi-Tenancy
		<b>CU</b>	Cumulo Supply Point

DI #	DI Name	Code	Description
		<b>IP</b>	Infrastructure Project
		<b>PL</b>	Not Yet Issued by Planning
		<b>BW</b>	Building Water
		<b>OT</b>	Other
<b>D2041</b>	Percentage Allowance	<b>50</b>	
		<b>100</b>	
<b>D3010</b>	Meter Read Type	<b>O</b>	Opening Read
		<b>E</b>	End Read
		<b>I</b>	Initial Read
		<b>F</b>	Final Read
		<b>C</b>	Regular Cyclic Read
		<b>U</b>	Customer Read
		<b>S</b>	Estimated Transfer Read
		<b>T</b>	Transfer Read
		<b>X</b>	Temporary Disconnection Read
		<b>Y</b>	Reconnection Read
		<b>R</b>	AMR Read
<b>D3011</b>	Meter Read Frequency	<b>B</b>	Bi-annually
		<b>M</b>	Monthly
		<b>N</b>	Never
<b>D3022</b>	Meter Treatment	<b>SWWater</b>	Scottish Water Water Meter
		<b>LogicalWater</b>	Logical Water Meter
		<b>PseudoWater</b>	Pseudo Water Meter
		<b>PrivateWater</b>	Private Water Meter
		<b>PrivateEffluent</b>	Private Effluent Meter
		<b>TankeredEffluent</b>	Tankered Effluent
<b>D3025</b>	Meter Location Code	<b>M1</b>	Outside property boundary
		<b>M2</b>	Just inside property boundary
		<b>M3</b>	Further Inside property boundary
		<b>M4</b>	Inside building
<b>D3028</b>	S Read Reason Code	<b>WMD</b>	Wrong Meter Details
		<b>NMA</b>	No Meter Access
		<b>MNF</b>	Meter Not Found
		<b>NSA</b>	No Site Access
		<b>PLR</b>	POLR
<b>D4005</b>	Cancellation Code	<b>S</b>	SPID error (Incoming Licensed Provider)
		<b>N</b>	No contract (Incoming Licensed Provider)
		<b>D</b>	Outstanding debt (Outgoing Licensed Provider)
		<b>C</b>	Contract in term (Outgoing Licensed Provider)
		<b>F</b>	Self Supplier (Outgoing Licensed Provider)
<b>D4009</b>	<i>Cryptographic Hash Algorithm</i>	<b>SHA256</b>	SHA256 cryptographic hash algorithm
<b>D4010</b>	<i>Grace Period</i>	<b>22</b>	22 business days
		<b>45</b>	45 business days
		<b>65</b>	65 business days
<b>D4014</b>	<i>Trading Party Type</i>	<b>Full</b>	Full License
		<b>Self Supply</b>	Self-Supply License
		<b>Specialist</b>	Specialist License
		<b>Terminated</b>	LP has exited the market
<b>D4015</b>	<i>POLR Status</i>	<b>POLR</b>	LP is a POLR LP
		<b>Opted Out</b>	LP has opted out of POLR

<b>DI #</b>	<b>DI Name</b>	<b>Code</b>	<b>Description</b>
<b>D4016</b>	<i>Trading Party Service</i>	<b>Water</b>	LP has a water License
		<b>Sewerage</b>	LP has a Sewerage License
		<b>Water &amp; Sewerage</b>	LP has a Water and Sewerage License
<b>D4017</b>	<i>Gap Site Status</i>	<b>Gap Site</b>	LP can be allocated Gap Sites
		<b>Opted Out</b>	LP has opted out of Gap Site allocation
<b>D6011</b>	<i>TE Treatment</i>	<b>Secondary</b>	Secondary treatment
		<b>Primary</b>	Primary treatment
		<b>Sub-Primary</b>	Sub-primary treatment

### 3.3 Error / Return Code Set

Valid set for data item Error / Return Code D4004.

Code	Description
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	Sender must be the valid Licensed Provider.
AB	SPID must be supplied in the transaction.
AC	SPID must exist in the CMA CS.
AD	Meter Read can only be submitted as a re-read if it is an exact duplicate of a rejected Read.
AE	SPID status must be Tradable.
AF	SPID status must be New.
AG	Data Items must be submitted for the WS SPID.
AH	Meter Read Y must be greater than or equal to Meter Read X.
AI	Connection Date must be in the past.
AJ	Meter S Read Remedial Work Indicator must be provided and set to False.
AK	Registration Start Date must be within the permitted window.
AL	Licensed Provider nominated by Scottish Water has rejected the registration of the new SPID.
AM	Transfer Cancellation must be within the Cancellation Window.
AN	Meter S Read Reason Code is not valid for the provided SPID.
AO	Taps/Troughs must be qualified as Farm or Croft.
AP	Meter must be Pending or Active.
AQ	SPID transfer to other Applicant already in progress.
AR	SPID already registered to Applicant, 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 must be today or in the past.
AV	SPID status must be Partial or Tradable.
AW	MID must start with the Org ID for the submitting Trading Party.
AX	Effective From date predates current registration start date.
AY	Meter being Swapped must be Active.
AZ	Meter can only be added to a WS SPID.
BA	MID should only contain numeric values after the Org ID.
BB	Transaction not appropriate for Pseudo Meters.
BC	Meter not associated to a SPID.
BD	Transaction rejected as MID number falls into a range that has been archived. Resend message with a new MID.
BE	Meter Read must be within its capacity limit.
BF	Meter Read for this date already exists.
BG	Licensed Provider not registered to SPID.
BH	Meter Read must be on or below its daily usage limit.
BI	Meter Read date for the New Meter must be the same or after the Old Meter Read date.
BL	Meter Read must be on or above the daily usage minimum.
BN	Meter Read must create a positive meter advance, not a small negative advance.
BV	Meter Read must create a positive meter advance, not a large negative advance.
BZ	Meter Read must create a positive advance, not a zero advance.
DA	For Future Use.

<b>DB</b>	For Future Use.
<b>DC</b>	Transaction must be for a WS SPID.
<b>DD</b>	Service Category already exists for this connection.
<b>DE</b>	Old and New Meters incompatible for meter swap. Old Meter is not a domestic meter.
<b>DF</b>	Effective From date predates previous change.
<b>DG</b>	MIDs submitted to the HVI are not allowed within the LVI MID range (1000000000 to 1999999999). Resend message with a new MID.
<b>DH</b>	For Future Use.
<b>DI</b>	SPID has passed the switching limit.
<b>DJ</b>	Transaction must contain: Sender, Recipient, Timestamp, SPID.
<b>DK</b>	Effective From Date cannot be in the future.
<b>DL</b>	Sender must be Wholesaler.
<b>DM</b>	DPID already exists.
<b>DN</b>	DPID is discontinued.
<b>DO</b>	DPID must be associated to the associated Sewerage SPID
<b>DP</b>	DPID is not associated with a Meter.
<b>DQ</b>	DPID is already discontinued.
<b>DR</b>	DPID does not exist in the CMA CS.
<b>DS</b>	For Future Use.
<b>DT</b>	For Future Use
<b>DU</b>	For Future Use.
<b>DV</b>	Customer Name must conform to the required format.
<b>DW</b>	For Future Use.
<b>DX</b>	SS SPID is paired with a WS SPID with a status of Tradable or TDISC.
<b>DY</b>	Meter Is a Pseudo Meter.
<b>DZ</b>	SPID or Registration Start Date is not valid.
<b>EA</b>	GIS X, Y coordinates must be in Scotland.
<b>EB</b>	Comments field must be populated. The comment must be between 1 and 255 characters long.
<b>EC</b>	GIS X, Y data Incomplete.
<b>ED</b>	SPID must be a SS SPID.
<b>EE</b>	Rollover Indicator not consistent with CMA CS determination.
<b>EF</b>	Rollover Indicator required. CMA CS unable to determine the rollover status.
<b>EG</b>	SPID cannot be allocated. There are no Licensed Providers available for Gap Site allocation.
<b>EH</b>	For Future Use.
<b>EI</b>	Rollover Indicator must not be present on an O or an I read.
<b>EJ</b>	SPID status must not be; PDISC or DREG.
<b>EK</b>	For Future Use.
<b>EL</b>	For Future Use.
<b>EM</b>	For Future Use.
<b>EN</b>	SPID status is already TDISC.
<b>EO</b>	SPID status is must be TDISC.
<b>EP</b>	SPID must not be subject to a pending transfer for TDISC to proceed.
<b>EQ</b>	SPID must not be New or Partial.
<b>ER</b>	SPID must be New or Partial.
<b>ES</b>	For Future Use.
<b>ET</b>	SPID must not be; PDISC, DREG or REJ.
<b>EU</b>	SPID status must not be Unmeasureable.
<b>EV</b>	For Future Use.
<b>EW</b>	For Future Use.
<b>EX</b>	Licensed Provider Org ID does not match Sender Org ID.

<b>EY</b>	Meter does not exist in the CMA CS.
<b>EZ</b>	For Future Use.
<b>FA</b>	Meter already exists in the CMA CS.
<b>FB</b>	Transaction must include a Meter ID.
<b>FC</b>	Transaction must include a Meter Make.
<b>FD</b>	Transaction must include a Manufacturers Meter Serial Number.
<b>FE</b>	For Future Use.
<b>FF</b>	Meter Read Frequency must be N.
<b>FG</b>	Meter Chargeable Size must be 20mm.
<b>FH</b>	Meter is attached to a SPID and a SPID must be provided.
<b>FI</b>	For Future Use.
<b>FJ</b>	SPID status must be Tradable or TDISC.
<b>FK</b>	SPID should not be included for a Non-Market Meter.
<b>FL</b>	For Future Use.
<b>FM</b>	Meter: Both Old and New Meters must be included in the transaction.
<b>FN</b>	Meter: Old and/or New Meter must exist in the CMA CS.
<b>FO</b>	Old Meter read type must be E and/or New Meter Read type must be O, or New Meter has a previous reading.
<b>FP</b>	Meter must be Active.
<b>FQ</b>	Meter: Old and/or New Meter cannot be a Pseudo meter.
<b>FR</b>	Meter: Old and New Meters must contain same chargeable size and RTS.
<b>FS</b>	Meter: New Meter is in a Meter Network and cannot be swapped.
<b>FT</b>	Meter: New Meter must be Active or Pending.
<b>FU</b>	Sender must exist in CMA CS.
<b>FV</b>	Meter Read date must be later than the Effective To date of Unmeasurable Service Elements associated with the SPID.
<b>FW</b>	Meter read must not be a duplicate I or duplicate F read.
<b>FX</b>	Meter Read must be on a date after the last meter reading.
<b>FY</b>	For Future Use.
<b>FZ</b>	For Future Use.
<b>GA</b>	SPID status must be Partial.
<b>GB</b>	Meter Effective From date and/or Metered Building Water Flag values must be different to the current values in the CMA CS.
<b>GC</b>	Meter Effective From date must be on or after 1 April 2011.
<b>GD</b>	For Future Use.
<b>GE</b>	Data Items that are required have not been provided for this Meter Treatment type.
<b>GF</b>	SPID is New or Partial and must be Deregistered.
<b>GG</b>	Meter(s) at the SPID must be Discontinued.
<b>GH</b>	DPID(s) at the SPID must be Discontinued.
<b>GI</b>	Meter Read Date must be today or in the past.
<b>GJ</b>	SS SPID has been associated to a Tradable WS SPID at some point since the Effective From date.
<b>GK</b>	SPID has not been Tradable or TDISC continuously since the Effective From date.
<b>GL</b>	SPID must be continuously vacant from the Effective From date.
<b>GM</b>	Vacancy Admin Date of Evidence too early compared to the transaction date.
<b>GN</b>	Sender has transferred SPID since the Effective From date, or SPID transfer is pending.
<b>GO</b>	SPID must be continuously vacant from the Effective From date.
<b>GP</b>	SPID already has an existing Open Vacancy Application.
<b>GQ</b>	Vacancy Admin details do not match any opened T034.0 Vacancy Scheme Application.
<b>GR</b>	Vacancy Admin application has been previously closed.
<b>GS</b>	Vacancy Admin Grace Period has not yet elapsed (LP not yet notified).

<b>GT</b>	Vacancy Admin application rejected due to late T034.4.
<b>GU</b>	Date of Evidence must be in the past.
<b>GV</b>	SPID must not be New, Partial or REJ.
<b>GW</b>	SPID must be New, Partial or REJ.
<b>GX</b>	SS SPID must be connected via the WS SPID as the WS SPID is New, Partial or REJ.
<b>GY</b>	WS SPID must be (potentially) chargeable on given connection date.
<b>GZ</b>	SS SPID must be (potentially) chargeable on given date.
<b>HA</b>	Meter Read date must be greater than or equal to "2007-04-01".
<b>HB</b>	SPID has never been declared Unmeasurable or there are no Unmeasurable Service Elements active on or after the Effective From date.
<b>HC</b>	Meter cannot be swapped with itself.
<b>HD</b>	Meter Number of Digits cannot be changed.
<b>HE</b>	Meter Read digit count must be the same as the Meter digit count.
<b>HF</b>	For Future Use.
<b>HG</b>	For Future Use.
<b>HH</b>	For Future Use.
<b>HI</b>	For Future Use.
<b>HJ</b>	For Future Use.
<b>HK</b>	Return To Sewer Allowance must be zero for a Meter Treatment of Private Effluent or Tankered Effluent.
<b>HL</b>	Chargeable Meter Size must be zero for Meters with a Meter Treatment of; Private Water, Private Effluent, or Tankered Effluent.
<b>HM</b>	Meter Treatment must be the same for the Old and the New Meters.
<b>HN</b>	Return to Sewerage Allowance cannot be zero for Meters with Meter Treatment of SWWater, Private Water, or Logical Water that are associated to a DPID on the Effective From date.
<b>HO</b>	WS SPID must be associated with a Market Meter.
<b>HP</b>	SPID must be a SS SPID and must have an associated WS SPID.
<b>HQ</b>	WS SPID Transfer Meter Reads can only be sent by the Incoming LP.
<b>HR</b>	Sender must be the current LP.
<b>HS</b>	SS SPID of the DPID must be associated with the WS SPID of the Meter.
<b>HT</b>	MDVol value on the given Effective Date has already been set for the DPID-Meter Association.
<b>HU</b>	Return to Sewer should be greater than zero continuously from the Effective From Date.
<b>HV</b>	DPID has active meter associations.
<b>HW</b>	Sewerage Chargeable Meter Size must be zero for Private Effluent Meters and Tankered Effluent Meters.
<b>HX</b>	For Future Use.
<b>HY</b>	Meter Treatment of the Subtraction Meter must be the same as that of the Main Meter.
<b>HZ</b>	Meter Read rejected; the LP for the associated WS SPID should provide the Transfer read.
<b>IA</b>	For Future Use.
<b>IB</b>	Meter has previously been made active.
<b>IC</b>	Meter Network; The Sub SPID should not be the same as the Main SPID.
<b>ID</b>	For Future Use.
<b>IE</b>	MID Already Exists in the CMA CS.
<b>IF</b>	Meter is not associated to the provided SPID.
<b>IG</b>	Meter should have a Meter Treatment of SW Water or Private Water.
<b>IH</b>	Meter should have at least one meter reading.
<b>II</b>	Meter Network, Sub Meter is non-domestic but the Sub SPID Is not provided OR the Sub Meter is domestic yet a Sub SPID is provided.
<b>IJ</b>	Meter Network Association is already active for the requested period.
<b>IK</b>	Meter Network Association is already inactive for the requested period.



<b>IL</b>	Meter Network; Sub Meter can only be actively associated to one Main Meter at any given time.
<b>IM</b>	Meter Network Association does not exist between the Main Meter and the Sub Meter.
<b>IN</b>	Meter Network Activation date should be prior to the earlier of the Main & Sub End Dates.
<b>IO</b>	Meter Network Activation date should be after the later of the Main & Sub Start Dates.
<b>IP</b>	Meter is part of a Meter Network that is active at a date on or after the Final Read Date.
<b>IQ</b>	WS SPID or Associated SS SPID has more than one Unmeasurable on a given day on or after the Effective From Date.
<b>IR</b>	.Metered period must not overlap with an Unmeasured period.
<b>IS</b>	SPID has been allocated via the Gap Site allocation process and cannot be rejected.
<b>IT</b>	Meter S Read Reason Code must be provided.
<b>IU</b>	Meter S Read Remedial Work Indicator must be provided and set to True.
<b>IV</b>	Percentage Exemption should only be provided if the Customer Exemption Flag is provided and is set to True.
<b>IW</b>	Percent Exemption value must be 50% or 100%. .
<b>IX</b>	Sender Org ID does not exist in CMA CS.
<b>IY</b>	Associated WS SPID must not be Tradable or TDISC.
<b>IZ</b>	Effective From Date must not pre-date a previous change on an Associated SPID.
<b>JA</b>	Meter IDs and DPIDs cannot include control characters.
<b>JB</b>	Meter S Read Reason Code and S Read Remedial Work Indicator should only be provided for S reads.
<b>JC</b>	SPID SAA Ref or SAA Ref Absence Code must be provided.
<b>JD</b>	SPID UPRN or the UPRN Absence Code must be provided.
<b>JE</b>	SPID SAA Ref and/or UPRN already exists in the CS against a SPID that is New, Partial, Tradable, TDISC, or Rejected.
<b>JF</b>	SPID SAA Ref and/or UPRN should match the existing value in the CMA CS .
<b>JG</b>	SPID SAA Ref is duplicated in SAA data - more information required.
<b>JH</b>	SPID SAA Ref and UPRN data must be provided.
<b>JW</b>	I and F reads for Pseudo Meters must be zero.
<b>KO</b>	The SPID is currently Deregistered and so it cannot be Disconnected.
<b>KP</b>	The SPID is currently Disconnected and so it cannot be Deregistered.
<b>KQ</b>	Rateable Values must be whole numbers or allowed default values.
<b>KR</b>	Meter must be Pending for the read to be accepted
<b>KS</b>	Meter must be Active for the read to be accepted
<b>XA</b>	Licensed Provider rejects registration for a new SPID.

NOTE: There are further error codes that are not used for transactions and are therefore excluded from the above list, but are used by the CMA for Additional Services. These non-transaction related error codes may be found in the schedule of Additional Services issued by the CMA.

## 4. Transactions

### 4.1 Overview

Data transactions are defined using the following parameters:

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

#### Key

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

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

## 4.2 List of Data Transactions

Name	Transaction
Request New SPID	T001.0
Notify New SPID	T002.0
Notify New SPID	T002.1
Partial Registration Application	T003.0
Registration Application	T003.1
Notify Meter Details	T004.0
Notify Meter Details	T004.1
Notify Meter Details	T004.2
Notify/Update Virtual Meter Details	T004.3
Meter Read	T005.0
Meter Read	T005.1
Meter Read	T005.2
Meter Read	T005.3
Provide WS SPID Data	T006.0
Provide SS SPID Data	T006.1
Provide WS SPID Service Elements	T006.2
Provide SS SPID Service Elements	T006.3
Notify WS SPID Service Elements	T006.4
Notify SS SPID Service Elements	T006.5
Provide Live Rateable Value	T006.6
Notification of Live Rateable Value	T006.7
Notify Connection Complete (WS)	T007.0
Notify Connection Complete (SS)	T007.1
Notify Connection	T007.2
Notify RSD	T008.0
Notify RSD	T008.1
Notify RSD	T008.2
Error / Notification	T009.0
Error / Notification	T009.1
Error / Notification	T009.2
Error / Notification	T009.3
Registration Cancellation (Incoming)	T010.0
Registration Cancellation (Outgoing)	T010.1
Notify Registration Cancellation (Incoming)	T011.0
Notify Registration Cancellation (Outgoing)	T011.1
Update SPID Data	T012.0
Update Chargeable SPID Data	T012.1
Service Element Update Notification	T012.2
Update Sewerage Service Elements	T012.3
Update SAA Reference Number/UPRN	T012.5
Notify SAA Reference Number/UPRN	T012.6
Update Live Rateable Value	T012.7
Notify Live Rateable Value	T012.8
Update Meter Data	T013.0
Update Meter Data	T013.1
Update Meter Location	T013.2
Notify Meter Location	T013.3

<b>Name</b>	<b>Transaction</b>
Update Meter Chargeable	T014.0
Notify Meter Chargeable	T014.1
Declare Disconnection/Reconnection/Deregistration	T015.0
Notify Disconnection/Reconnection/Deregistration	T015.1
Set SPID Unmeasurable Status	T016.0
Notify SPID Unmeasurable Status	T016.1
Notify Swap Meter	T017.0
Notify Swap Meter	T017.1
Notify WS SPID Data	T019.0
Notify SS SPID Data	T020.0
Notify DPID	T021.0
Notify DPID	T021.1
Update TE Operating Data	T022.0
Notify TE Operating Data	T022.1
Notify Meter Association	T023.0
Notify Meter Association	T023.1
Notify Meter De-association	T024.0
Notify Meter De-association	T024.1
Discontinue DPID	T026.0
Discontinue DPID	T026.1
Update DPID details	T027.0
Update DPID details	T027.1
Notify TE Schedule 3	T028.0
Notify TE Schedule 3	T028.1
Notify SPID Special Arrangement	T029.0
Set SPID Special Arrangement	T029.1
Removed September 2013	T029.2
Update Premises Special Arrangements	T029.3
Notify DP Meter Reads	T030.0
Notify DP Meter Reads	T030.1
Create Update Customer Name	T032.0
Customer Name Updated	T032.1
Customer Name Updated	T032.2
Notify/Update Metered Building Water	T033.0
Notify Metered Building Water	T033.1
Vac Scheme: Application	T034.0
Vac Scheme: Grace Period Notification	T034.1
Vac Scheme: Grace End Notification	T034.2
Vac Scheme: Application Notification	T034.3
Vac Scheme: Application Confirmation or Cancellation	T034.4
Vac Scheme: Application Confirmation or Cancellation Notification	T034.5
Tradability Notification	T035.0
Tradability Notification	T035.1
Submit Meter Network Data	T036.0
Notify Meter Network Data	T036.1

### 4.3 Catalogue: Transactions (numerical order)

<b>Transaction Number</b>	<b>T001.0</b>	
<b>Transaction Name</b>	Request New SPID	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D4001</b>	Organisation ID	OP
<b>D2009</b>	SW Connection Reference	RQ
<b>D2043</b>	LP Connection Reference	OP
<b>D2002</b>	Service Category (SPID tag)	RQ
<b>D2001</b>	SPID (see note below)	OP
<b>D2023</b>	New Connection Type	RQ
<b>D2037</b>	SAA Reference Number	OP
<b>D2038</b>	SAA Reference Number Absence Code	OP
<b>D2039</b>	UPRN	OP
<b>D2040</b>	UPRN Absence Code	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	<p>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 and LP Connection Reference, if provided, to ensure that SPIDs created are identified as related. If one SPID already exists and another service is being added to create a pair for the premises, the SPID field must be completed to ensure that the SPIDs are related via the Core number</p>	

<b>Transaction Number</b>	<b>T002.0</b>	
<b>Transaction Name</b>	Notify New SPID	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2009</b>	SW Connection Reference	RQ
<b>D2043</b>	LP Connection Reference	OP
<b>D2023</b>	New Connection Type	RQ
<b>D2034</b>	Allocation Method	RQ
<b>D2037</b>	SAA Reference Number	OP
<b>D2038</b>	SAA Reference Number Absence Code	OP
<b>D2039</b>	UPRN	OP
<b>D2040</b>	UPRN Absence Code	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification to a LP of a new SPID. The LP is as nominated by Scottish Water in T001.0 or, where required, assigned by the CMA	

<b>Transaction Number</b>	<b>T002.1</b>	
<b>Transaction Name</b>	Notify New SPID	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2009</b>	SW Connection Reference	RQ
<b>D2043</b>	LP Connection Reference	OP
<b>D2034</b>	Allocation Method	RQ
<b>D4001</b>	OrgID	RQ
<b>D2037</b>	SAA Reference Number	OP
<b>D2038</b>	SAA Reference Number Absence Code	OP
<b>D2039</b>	UPRN	OP
<b>D2040</b>	UPRN Absence Code	OP
<b>D5001</b>	Free Descriptor	OP

<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification to SW of a new SPID when a new Supply Point is created. The D4001 OrgID will identify the LP provided by SW in the T002.0 or will be the LP identified by the CMA for a Gap Site.	

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

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

<b>Transaction Number</b>	<b>T004.0</b>	
<b>Transaction Name</b>	Notify Meter Details	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3004</b>	Number of Digits	RQ
<b>D3003</b>	Physical Meter Size	OP
<b>D3002</b>	Chargeable Meter size	RQ

<b>D3011</b>	Meter Read Frequency	RQ
<b>D3007</b>	Non-Return to Sewer Allowance	RQ
<b>D3005</b>	Sewerage Chargeable Meter Size	RQ
<b>D3013</b>	Meter Make	RQ
<b>D3014</b>	Manufacturer Meter Serial Number	RQ
<b>D3015</b>	Datalogger_SW	OP
<b>D3016</b>	Datalogger_NonSW	OP
<b>D3017</b>	GISX	OP
<b>D3018</b>	GISY	OP
<b>D3019</b>	GISZFreeDescriptor	OP
<b>D3022</b>	Meter Treatment	OP
<b>D3023</b>	Accredited Entity Install	OP
<b>D3025</b>	Meter Location Code	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	<p>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> <p>D3003, D3017, D3018 &amp; D3025 are required if D3022 is set to; SWWater or PrivateWater.  D3017, D3018 &amp; D3025 are required if D3022 is set to; Private Effluent.  For D3003, all meter treatments are valid, except for PseudoWater</p>	

<b>Transaction Number</b>	<b>T004.1</b>	
<b>Transaction Name</b>	Notify Meter Details	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ



<b>D3004</b>	Number of Digits	RQ
<b>D3003</b>	Physical Meter Size	RQ
<b>D3002</b>	Chargeable Meter size	RQ
<b>D3011</b>	Meter Read Frequency	RQ
<b>D3007</b>	Non-Return to Sewer Allowance	RQ
<b>D3005</b>	Sewerage Chargeable Meter Size	RQ
<b>D3013</b>	Meter Make	RQ
<b>D3014</b>	Manufacturer Meter Serial Number	RQ
<b>D3015</b>	Datalogger_SW	OP
<b>D3016</b>	Datalogger_NonSW	OP
<b>D3017</b>	GISX	OP
<b>D3018</b>	GISY	OP
<b>D3019</b>	GISZFreeDescriptor	OP
<b>D3022</b>	Meter Treatment	OP
<b>D3025</b>	Meter Location Code	OP
<b>D2010</b>	YVe	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	<p>Notification to the LP of the meter details sent in T004.0 or at Transfer to LP(i)</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p> <p>Where an LP submitted YVe is in effect for this meter then it will be included in this transaction.</p>	

<b>Transaction Number</b>	<b>T004.2</b>	
<b>Transaction Name</b>	Notify Meter Details	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D3001</b>	Meter ID	RQ

<b>D2010</b>	YVe	RQ
<b>Description</b>	Meter details submitted by LP following meter installation or other data updates.	

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

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

	<p>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 the D3001 pertains to Private Effluent or Tankered Effluent Meter Type, the D3001 SPID should be the Sewerage SPID.</p> <p>Note - cannot use End or Opening Read as these are supplied as part of T017.0 Meter Swap</p>	
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<b>Transaction Number</b>	<b>T005.1</b>	
<b>Transaction Name</b>	Meter Read	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3008</b>	Meter Read	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>D3010</b>	Meter Read Type	RQ
<b>D3028</b>	S Read Reason Code	OP
<b>D3029</b>	S Read Remedial Work Indicator	OP
<b>D3012</b>	Re-Read	OP
<b>D3020</b>	Rollover Indicator	OP
<b>Description</b>	<p>A meter read submission from a LP</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p> <p>If the D3010 is S, the D3028 and D3029 must be provided. If the D3028 is PLR, the D3029 must be False, otherwise the D3029 must be True.</p> <p>Where the D3001 pertains to Private Effluent or Tankered Effluent Meter Type, the D3001 SPID should be the Sewerage SPID.</p>	

<b>Transaction Number</b>	<b>T005.2</b>	
<b>Transaction Name</b>	Meter Read	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ

<b>D3008</b>	Meter Read	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>D3010</b>	Meter Read Type	RQ
<b>D3028</b>	S Read Reason Code	OP
<b>D3029</b>	S Read Remedial Work Indicator	OP
<b>D3012</b>	Re-Read	OP
<b>D3021</b>	Rollover Flag	RQ
<b>Description</b>	<p>A notification from the CMA of a Meter Read to the LP. Sent when the read is not submitted by the LP 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>	

<b>Transaction Number</b>	<b>T005.3</b>	
<b>Transaction Name</b>	Meter Read	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3008</b>	Meter Read	RQ
<b>D3009</b>	Meter Read Date	RQ
<b>D3010</b>	Meter Read Type	RQ
<b>D3028</b>	S Read Reason Code	OP
<b>D3029</b>	S Read Remedial Work Indicator	OP
<b>D3012</b>	Re-Read	OP
<b>D3021</b>	Rollover Flag	RQ
<b>Description</b>	<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>	

<b>Transaction Number</b>	<b>T006.0</b>	
<b>Transaction Name</b>	Provide WS SPID Data	
<b>From</b>	LP	
<b>To</b>	CMA	

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

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

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

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

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

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

<b>Transaction Number</b>	<b>T006.6</b>	
<b>Transaction Name</b>	Provide Live Rateable Value	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2042</b>	Live Rateable Value	RQ
<b>Description</b>	Provision of Live Rateable Value by SW. This transaction may be used for both WS or SS SPIDs	

<b>Transaction Number</b>	<b>T006.7</b>	
<b>Transaction Name</b>	Notification of Live Rateable Value	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2042</b>	Live Rateable Value	RQ
<b>Description</b>	Notification of Live Rateable Value to an LP. This transaction may be used for both WS or SS SPIDs	

<b>Transaction Number</b>	<b>T007.0</b>	
<b>Transaction Name</b>	Notify Connection Complete (WS)	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2013</b>	Connection Date	RQ
<b>D2033</b>	Accredited Entity Install	OP
<b>Description</b>	Confirmation by SW that a WS Supply Point is connected	

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

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

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

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

<b>Transaction Number</b>	<b>T008.2</b>	
<b>Transaction Name</b>	Notify RSD	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4001</b>	OrgID	RQ
<b>D4002</b>	Registration Start Date	RQ
<b>Description</b>	Confirmation from the CMA to SW of the acceptance of the Registration for a SPID. The D4001 OrgID should be the Incoming LP	

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

<b>Transaction Number</b>	<b>T009.1</b>	
<b>Transaction Name</b>	Error / Notification	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP



<b>D4004</b>	Error/Return Code	RQ
<b>D1008</b>	Data Item Reference	OP
<b>Description</b>	<p>This transaction notifies the sending party of receipt of a transaction.</p> <p>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</p>	

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

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

<b>Transaction Number</b>	<b>T009.4</b>	
<b>Transaction Name</b>	Error / Notification	
<b>From</b>	CMA	
<b>To</b>	SW/LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D1009</b>	Duplicate Message ID	RQ
<b>D4004</b>	Error/Return Code	RQ
<b>Description</b>	This transaction notifies the sending party of the rejection of a message with a duplicate MID.	

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

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

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

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

<b>Transaction Number</b>	<b>T012.0</b>	
<b>Transaction Name</b>	Update SPID Data	
<b>From</b>	LP	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2005</b>	Customer Classification	OP
<b>D2008</b>	SIC Code	OP
<b>D2043</b>	LP Connection Reference	OP
<b>D4003</b>	Text Comment Field	RQ
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Ad hoc update of non-chargeable SPID data by the LP	

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

<b>Transaction Number</b>	<b>T012.2</b>	
<b>Transaction Name</b>	Service Element Update Notification	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2015</b>	SPID Vacant	OP
<b>D4003</b>	Text Comment Field	RQ
<b>Description</b>	Notification from the CMA to Scottish Water of an update SPID occupancy status by a Licensed Provider. This transaction may be used for both WS or SS SPIDs.	

<b>Transaction Number</b>	<b>T012.3</b>	
<b>Transaction Name</b>	Update Sewerage Service Elements	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2016</b>	Property Drainage	OP
<b>D2017</b>	Road Drainage	OP
<b>D4003</b>	Text Comment Field	RQ
<b>Description</b>	Request to update sewerage service data by SW.	

<b>Transaction Number</b>	<b>T012.4</b>	
<b>Transaction Name</b>	Notify Sewerage Service Elements	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2016</b>	Property Drainage	OP
<b>D2017</b>	Road Drainage	OP
<b>D4003</b>	Text Comment Field	RQ
<b>Description</b>	Notifies update to sewerage service data.	

<b>Transaction Number</b>	<b>T012.5</b>	
<b>Transaction Name</b>	Update SAA Reference Number/UPRN	
<b>From</b>	SWW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2037</b>	SAA Reference Number	OP
<b>D2038</b>	SAA Reference Number Absence Code	OP
<b>D2039</b>	UPRN	OP
<b>D2040</b>	UPRN Absence Code	OP
<b>Description</b>	Data flow to be used by Scottish Water to update the Scottish Assessors Association reference or UPRN published by One Scotland Gazetteer	

<b>Transaction Number</b>	<b>T012.6</b>	
<b>Transaction Name</b>	Notify SAA Reference Number/UPRN Reference	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2037</b>	SAA Reference Number	OP
<b>D2038</b>	SAA Reference Number Absence Code	OP
<b>D2039</b>	UPRN	OP
<b>D2040</b>	UPRN Absence Code	OP
<b>Description</b>	Data flow to be used to inform the registered LP following an update of the Scottish Assessors Association reference or UPRN published by One Scotland Gazetteer	

<b>Transaction Number</b>	<b>T012.7</b>	
<b>Transaction Name</b>	Update Live Rateable Value	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	Name	FLAG
<b>D2001</b>	SPID	RQ
<b>D2042</b>	Live Rateable Value	RQ
<b>D4006</b>	Effective From Date	RQ
<b>Description</b>	Update of Live Rateable Value by SW. This transaction may be used for both WS and SS SPIDs	

<b>Transaction Number</b>	<b>T012.8</b>	
<b>Transaction Name</b>	Notify Live Rateable Value	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	Name	FLAG
<b>D2001</b>	SPID	RQ
<b>D2042</b>	Live Rateable Value	RQ
<b>D4006</b>	Effective From Date	RQ
<b>Description</b>	Notification of an update of Live Rateable Value to an LP. This transaction may be used for both WS and SS SPIDs	

<b>Transaction Number</b>	<b>T013.0</b>	
<b>Transaction Name</b>	Update Meter Data	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3011</b>	Meter Read Frequency	OP
<b>D3013</b>	Meter Make	OP
<b>D3014</b>	Manufacturer Meter Serial Number	OP
<b>D3003</b>	Physical Meter Size	OP
<b>D3004</b>	Number of Digits	OP
<b>D3015</b>	Datalogger_SW	OP
<b>D3016</b>	Datalogger_NonSW	OP
<b>D3017</b>	GISX	OP
<b>D3018</b>	GISY	OP
<b>D4003</b>	Text Comment Field	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP

<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	<p>Update of (non-chargeable) meter details by SW</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p>	

<b>Transaction Number</b>	<b>T013.1</b>	
<b>Transaction Name</b>	Notify Meter Data	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3011</b>	Meter Read Frequency	OP
<b>D3013</b>	Meter Make	OP
<b>D3014</b>	Manufacturer Meter Serial Number	OP
<b>D3003</b>	Physical Meter Size	OP
<b>D3004</b>	Number of Digits	OP
<b>D3015</b>	Datalogger_SW	OP
<b>D3016</b>	Datalogger_NonSW	OP
<b>D3017</b>	GISX	OP
<b>D3018</b>	GISY	OP
<b>D4003</b>	Text Comment Field	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification of T013.0 to LP  D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.	

<b>Transaction Number</b>	<b>T013.2</b>	
<b>Transaction Name</b>	Update Meter Location	
<b>From</b>	LP/SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>



<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3019</b>	GIS Z Free Descriptor	OP
<b>D3025</b>	Meter Location Code	OP
<b>Description</b>	<p>Update of meter location details by LP or SW.</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p>	

<b>Transaction Number</b>	<b>T013.3</b>	
<b>Transaction Name</b>	Notify Meter Location	
<b>From</b>	CMA	
<b>To</b>	LP/SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID	RQ
<b>D3019</b>	GIS Z Free Descriptor	OP
<b>D3025</b>	Meter Location Code	OP
<b>Description</b>	<p>Notification of T013.2 to LP or SW.</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p>	

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

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

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

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

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

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

<b>Transaction Number</b>	<b>T017.0</b>	
<b>Transaction Name</b>	Notify Swap Meter	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D3001</b>	Meter ID (OLD METER)	RQ
<b>D3008</b>	Meter Read (OLD METER)	RQ
<b>D3009</b>	Meter Read Date (OLD METER)	RQ
<b>D3010</b>	Meter Read Type (OLD METER)	RQ
<b>D3020</b>	Rollover Indicator (OLD METER)	OP
<b>D3020</b>	Rollover Indicator (NEW METER)	OP
<b>D3012</b>	Re-Read	OP
<b>D3001</b>	Meter ID (NEW METER)	RQ
<b>D3008</b>	Meter Read (NEW METER)	RQ
<b>D3009</b>	Meter Read Date (NEW METER)	RQ
<b>D3010</b>	Meter Read Type (NEW METER)	RQ
<b>Description</b>	<p>Sent by SW on Meter Change to swap the meters recorded against a SPID.</p> <p>Where a new meter is installed the CMA must first be notified of the addition of a meter to the market through T004.0 (Notify Meter Details) as otherwise the new meter will not be recognised in this transaction.</p> <p>D3010 Meter Read Type for the [Old Meter] must be "E" and for [New Meter] must be "O".</p> <p>Where the D3001 pertains to Private Effluent or Tankered Effluent Meter Type, the D3001 SPID should be the Sewerage SPID.</p>	

<b>Transaction Number</b>	<b>T017.1</b>	
<b>Transaction Name</b>	Notify Swap Meter	
<b>From</b>	CMA	
<b>To</b>	LP/SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D3001</b>	Meter ID (OLD METER)	RQ
<b>D3008</b>	Meter Read (OLD METER)	RQ
<b>D3009</b>	Meter Read Date (OLD METER)	RQ
<b>D3010</b>	Meter Read Type (OLD METER)	RQ
<b>D3021</b>	Rollover Flag (OLD METER)	RQ
<b>D3021</b>	Rollover Flag (NEW METER)	RQ
<b>D3001</b>	Meter ID (NEW METER)	RQ
<b>D3008</b>	Meter Read (NEW METER)	RQ
<b>D3009</b>	Meter Read Date (NEW METER)	RQ

<b>D3010</b>	Meter Read Type (NEW METER)	RQ
<b>Description</b>	Notification to an LP of the meter swap and notification to SW of the meter swap, specifically the End Read from the old meter and the associated rollover flag.  Where the D3001 pertains to Private Effluent or Tankered Effluent Meter Type, the D3001 SPID should be the Sewerage SPID.	

<b>Transaction Number</b>	<b>T019.0</b>	
<b>Transaction Name</b>	Notify WS SPID Data	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2005</b>	Customer Classification	RQ
<b>D2008</b>	SIC Code	OP
<b>D2011</b>	Rateable Value	RQ
<b>D2018</b>	Troughs & Drinking Bowls	RQ
<b>D2020</b>	Outside Taps	RQ
<b>D2014</b>	Farm/Croft	RQ
<b>D2024</b>	Unmeasurable	RQ
<b>D2037</b>	SAA Reference Number	OP
<b>D2038</b>	SAA Reference Number Absence Code	OP
<b>D2039</b>	UPRN	OP
<b>D2040</b>	UPRN Absence Code	OP
<b>D5001</b>	Free Descriptor	RQ
<b>D5002</b>	Sub Building Name	RQ
<b>D5003</b>	Building Name	RQ
<b>D5004</b>	Building Number	RQ
<b>D5005</b>	Dependent Thoroughfare Name	RQ
<b>D5006</b>	Dependent Thoroughfare Descriptor	RQ
<b>D5007</b>	Thoroughfare Name	RQ
<b>D5008</b>	Thoroughfare Descriptor	RQ
<b>D5009</b>	Double Dependent Locality	RQ
<b>D5010</b>	Dependent Locality	RQ
<b>D5011</b>	Post Town	RQ
<b>D5012</b>	County	RQ
<b>D5013</b>	Postcode	RQ
<b>Description</b>	Notification to a LP of all WS SPID data at Transfer Registration	

<b>Transaction Number</b>	<b>T020.0</b>	
<b>Transaction Name</b>	Notify SS SPID Data	
<b>From</b>	CMA	

To	LP	
DI #	Name	FLAG
D2001	SPID	RQ
D2005	Customer Classification	RQ
D2008	SIC Code	OP
D2011	Rateable Value	RQ
D2012	Surface Area	RQ
D2016	Property Drainage	RQ
D2017	Road Drainage	RQ
D2037	SAA Reference Number	OP
D2038	SAA Reference Number Absence Code	OP
D2039	UPRN	OP
D2040	UPRN Absence Code	OP
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
<b>Description</b>	Notification to a LP of all SS SPID data at Transfer Registration	

<b>Transaction Number</b>	<b>T021.0</b>	
<b>Transaction Name</b>	Notify DPID	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D6003</b>	CDV	RQ
<b>D6004</b>	sBODL	RQ
<b>D6005</b>	TSSL	RQ
<b>D6006</b>	Ot	RQ
<b>D6007</b>	St	RQ
<b>D6009</b>	Non-domestic Allowance	RQ
<b>D6010</b>	Seasonal Discharge Indicator	RQ
<b>D6011</b>	TE Treatment	RQ
<b>D6012</b>	Pcent Allowance	RQ
<b>D6013</b>	Fixed Allowance	RQ
<b>D6002</b>	TE YVe	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification of a new Discharge Point by SW	

<b>Transaction Number</b>	<b>T021.1</b>	
<b>Transaction Name</b>	Notify DPID	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D6003</b>	CDV	RQ
<b>D6004</b>	sBODL	RQ
<b>D6005</b>	TSSL	RQ
<b>D6006</b>	Ot	RQ
<b>D6007</b>	St	RQ
<b>D6009</b>	Non-domestic Allowance	RQ
<b>D6010</b>	Seasonal Discharge Indicator	RQ
<b>D6011</b>	TE Treatment	RQ
<b>D6012</b>	Pcent Allowance	RQ
<b>D6013</b>	Fixed Allowance	RQ
<b>D6002</b>	TE YVe	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification of the Discharge Point in T021.0 to the LP.  This notification is also sent on Transfer Registration where LP(i) has gained a Sewerage Service SPID with a Discharge Point	



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

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

<b>Transaction Number</b>	<b>T023.0</b>	
<b>Transaction Name</b>	Notify Meter Association	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3024</b>	MDVol	RQ
<b>Description</b>	Notification by SW that a meter is associated with a Discharge Point.	

<b>Transaction Number</b>	<b>T023.1</b>	
<b>Transaction Name</b>	Notify Meter Association	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D3001</b>	Meter ID	RQ
<b>D3024</b>	MDVol	RQ
<b>Description</b>	Notification to the LP of T023.0 details, either at association, or at Transfer Registration	

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

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

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

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

<b>Transaction Number</b>	<b>T027.0</b>	
<b>Transaction Name</b>	Update DPID Details	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4003</b>	Text Comment Field	RQ
<b>D6003</b>	CDV	OP
<b>D6004</b>	sBODL	OP
<b>D6005</b>	TSSL	OP
<b>D6009</b>	Non-domestic Allowance	OP
<b>D6010</b>	Seasonal Discharge Indicator	OP
<b>D6012</b>	Pcent Allowance	OP
<b>D6013</b>	Fixed Allowance	OP
<b>D6002</b>	TE YVe	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP

<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Update to a Discharge Point by SW	

<b>Transaction Number</b>	<b>T027.1</b>	
<b>Transaction Name</b>	Update DPID Details	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D6001</b>	DPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4003</b>	Text Comment Field	RQ
<b>D6003</b>	CDV	OP
<b>D6004</b>	sBODL	OP
<b>D6005</b>	TSSL	OP
<b>D6009</b>	Non-domestic Allowance	OP
<b>D6010</b>	Seasonal Discharge Indicator	OP
<b>D6002</b>	TE YVe	OP
<b>D6012</b>	Pcent Allowance	OP
<b>D6013</b>	Fixed Allowance	OP
<b>D5001</b>	Free Descriptor	OP
<b>D5002</b>	Sub Building Name	OP
<b>D5003</b>	Building Name	OP
<b>D5004</b>	Building Number	OP
<b>D5005</b>	Dependent Thoroughfare Name	OP
<b>D5006</b>	Dependent Thoroughfare Descriptor	OP
<b>D5007</b>	Thoroughfare Name	OP
<b>D5008</b>	Thoroughfare Descriptor	OP
<b>D5009</b>	Double Dependent Locality	OP
<b>D5010</b>	Dependent Locality	OP
<b>D5011</b>	Post Town	OP
<b>D5012</b>	County	OP
<b>D5013</b>	Postcode	OP
<b>Description</b>	Notification of updates to a Discharge Point	

<b>Transaction Number</b>	<b>T028.0</b>	
<b>Transaction Name</b>	Notify TE Schedule 3	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>

<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2003</b>	Schedule 3	RQ
<b>D6001</b>	DPID	OP
<b>Description</b>	Notification of Schedule 3 details at Discharge Point. Sent by the CMA to LP(i) on Transfer Registration and on any updates	

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

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

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

<b>Transaction Number</b>	<b>T029.3</b>	
<b>Transaction Name</b>	Update Premises Special Arrangements	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2004</b>	Exempt Customer Flag	RQ
<b>D2041</b>	Pcent Allowance	OP
<b>Description</b>	Updates special arrangements in effect at premises.	

<b>Transaction Number</b>	<b>T029.4</b>	
<b>Transaction Name</b>	Notify Premises Special Arrangements	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D2004</b>	Exempt Customer Flag	OP
<b>Description</b>	Notifies special arrangements in effect at premises.	

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

<b>Transaction Number</b>	<b>T030.1</b>	
<b>Transaction Name</b>	Notify DP Meter Reads	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	OP
<b>D6001</b>	DPID	RQ
<b>D3001</b>	Meter ID	RQ

<b>D3008</b>	Read	RQ
<b>D3009</b>	Read Date	RQ
<b>D3010</b>	Read Type	RQ
<b>D3012</b>	Re-Read	RQ
<b>D3021</b>	Rollover Flag	RQ
<b>Description</b>	Notification of meter read for meters associated to a Discharge Point	

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

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

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

<b>Transaction Number</b>	<b>T032.2</b>	
<b>Transaction Name</b>	Customer Name Updated	
<b>From</b>	CMA	
<b>To</b>	SW	

DI #	Name	FLAG
D2001	SPID	RQ
D2027	Customer Name	RQ
D2028	Customer Name Type	RQ
D4001	OrgID	RQ
Description	Notification of customer name being updated The D4001 should be the LP for the identified SPID.	

<b>Transaction Number</b>	<b>T033.0</b>	
<b>Transaction Name</b>	Notify/Update Metered Building Water	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI#</b>	<b>NAME</b>	<b>FLAG</b>
D2001	SPID	RQ
D2029	Metered Building Water	RQ
D2030	Metered Building Water Effective Date	RQ
Description	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	

<b>Transaction Number</b>	<b>T033.1</b>	
<b>Transaction Name</b>	Notify Metered Building Water	
<b>From</b>	CMA	
<b>To</b>	LP	
<b>DI#</b>	<b>NAME</b>	<b>FLAG</b>
D2001	SPID	RQ
D2029	Metered Building Water	RQ
D2030	Metered Building Water Effective Date	RQ
Description	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	

<b>Transaction Number</b>	<b>T034.0</b>	
<b>Transaction Name</b>	Vac Scheme: Application	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
D2001	SPID	RQ
D4006	Effective From	RQ
D4007	Date of Evidence	RQ
D4003	Text Comment Field	OP
D4008	Cryptographic Hash	RQ
D4009	Cryptographic Hash Algorithm	RQ
Description	If a SPID has a related (by same Core) SPID, the transaction must be made in respect of the WS SPID and will automatically apply to the related SPID.	



<b>Transaction Number</b>	<b>T034.1</b>	
<b>Transaction Name</b>	Vac Scheme: Grace Period Notification	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4007</b>	Date of Evidence	RQ
<b>D4003</b>	Text Comment Field	OP
<b>D4010</b>	Vacancy Change Grace Period	RQ
<b>Description</b>		

<b>Transaction Number</b>	<b>T034.2</b>	
<b>Transaction Name</b>	Vac Scheme: Grace End Notification	
<b>From</b>	CMA	
<b>To</b>	SW	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4007</b>	Date of Evidence	RQ
<b>D4003</b>	Text Comment Field	OP
<b>D4004</b>	Error / Return Code	RQ
<b>D4011</b>	Water SP LP Org ID	OP
<b>D4012</b>	Sewerage SP LP Org ID	OP
<b>Description</b>	<p>The D2001 SPID here is set per the initiating T034.0.</p> <p>If the CMA's validation is not rejecting the Vacancy Change Application at this stage, the D4004 will be set to "OK". Insofar as the water and sewerage LPs exist (for SPIDs with the same SPID Core as the SPID Core of the D2001), their Organisation IDs shall be given in the D4011 and D4012.</p> <p>Otherwise, if the CMA's validation is rejecting the Vacancy Change Application, the CMA will set the D4004 as appropriate to indicate the Vacancy Change Application is not proceeding. Neither the D4011 nor the D4012 shall appear.</p>	

<b>Transaction Number</b>	<b>T034.3</b>	
<b>Transaction Name</b>	Vac Scheme: Application Notification	
<b>From</b>	CMA	
<b>To</b>	LP; also to SS LP if SPID is WS and SS LP is distinct	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4007</b>	Date of Evidence	RQ
<b>D4003</b>	Text Comment Field	OP
<b>D4008</b>	Cryptographic Hash	RQ
<b>D4009</b>	Cryptographic Hash Algorithm	RQ
<b>D4010</b>	Vacancy Change Grace Period	RQ
<b>D4011</b>	Water SP LP Org ID	OP
<b>D4012</b>	Sewerage SP LP Org ID	OP
<b>Description</b>	If a SPID has a related SPID, the notification shall be	

	made in respect of the WS SPID and will be deemed to apply to the related SPID.	
	This D2001 SPID in the T034.3 shall always match the D2001 SPID from the initiating T034.0. This applies, for example, if the T034.0 was made in respect of a WS SPID, and this notification is sent to the LP of the related SS SPID.	

<b>Transaction Number</b>	<b>T034.4</b>	
<b>Transaction Name</b>	Vac Scheme: Application Confirmation or Cancellation	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4007</b>	Date of Evidence	RQ
<b>D2031</b>	Vacancy Change Flag	RQ
<b>D2032</b>	LP Challenged Vacancy Application Flag	RQ
<b>D4003</b>	Text Comment Field	OP
<b>Description</b>	If a SPID has a related (by same Core) SPID, the transaction must be made in respect of the WS SPID and will automatically apply to the related SPID.	

<b>Transaction Number</b>	<b>T034.5</b>	
<b>Transaction Name</b>	Vac Scheme: Application Confirmation or Cancellation Notification	
<b>From</b>	CMA	
<b>To</b>	LP; also to SS LP if SPID is WS and SS LP is distinct	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D4006</b>	Effective From	RQ
<b>D4007</b>	Date of Evidence	RQ
<b>D2031</b>	Vacancy Change Flag	RQ
<b>D2032</b>	LP Challenged Vacancy Application Flag	RQ
<b>D4003</b>	Text Comment Field	OP
<b>Description</b>	If a SPID has a related (by same Core) SPID, the transaction must be made in respect of the WS SPID and will automatically apply to the related SPID.	

<b>Transaction Number</b>	<b>T035.0</b>	
<b>Transaction Name</b>	Tradeability Notification	
<b>From</b>	CMA	
<b>To</b>	LP; also to SS LP if SPID is WS and SS LP is distinct	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2001</b>	SPID	RQ
<b>D2013</b>	Connection Date	RQ
<b>Description</b>	The Tradeability notification sent to the respective LP after a Supply Point passes the Tradeability test and has now status = Tradeable	

<b>Transaction Number</b>	<b>T035.1</b>	
<b>Transaction Name</b>	Tradeability Notification	
<b>From</b>	CMA	

<b>To</b>	SWW	
<b>DI #</b>	Name	FLAG
<b>D2001</b>	SPID	RQ
<b>D2013</b>	Connection Date	RQ
<b>Description</b>	The Tradeability notification sent to the Wholesaler after a Supply Point passes the Tradeability test and has now status = Tradeable	

<b>Transaction Number</b>	<b>T036.0</b>	
<b>Transaction Name</b>	Submit Meter Network Data	
<b>From</b>	SW	
<b>To</b>	CMA	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2035</b>	Main SPID	RQ
<b>D3027</b>	Main Meter ID	RQ
<b>D2036</b>	Sub SPID	OP
<b>D3006</b>	Sub Meter ID	RQ
<b>D3026</b>	Meter Network Association	RQ
<b>D4006</b>	Effective From Date	RQ
<b>Description</b>	Used by SW to establish Meter Network associations D2036 Sub-SPID is not required where D3006 is a Domestic Meter	

<b>Transaction Number</b>	<b>T036.1</b>	
<b>Transaction Name</b>	Notify Meter Network Data	
<b>From</b>	CMA	
<b>To</b>	LP; also to SS LP if SPID is WS and SS LP is distinct	
<b>DI #</b>	<b>Name</b>	<b>FLAG</b>
<b>D2035</b>	Main SPID	RQ
<b>D3027</b>	Main Meter ID	RQ
<b>D2036</b>	Sub SPID	OP
<b>D3006</b>	Sub Meter ID	RQ
<b>D3026</b>	Meter Network Association	RQ
<b>D4006</b>	Effective From Date	RQ
<b>Description</b>	Notification to an LP of the creation or update to a Meter Network association	

## 5. Supply Point Identifier (SPID)

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

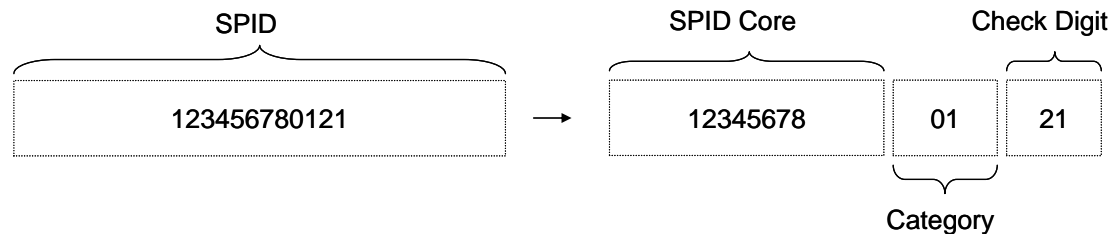


Figure 1 - SPID

where each part of a SPID is as follows:

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

## 5.1 Verifying the Check Digit

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

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

## 5.2 Business Day Hours

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

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

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