

Market Code Schedule 20

Code Subsidiary Document No. 0301

Data Transaction Catalogue

| Version: 910.0

| Date: 2015-06-~~03~~24

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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 |

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|----------------------|----------------------------|---|--|--|
| 1.9 | 11/11/11 | Introduction of T033.0, T033.1 | MCCP081-CC | Sections 2.2,2.3, 3.3, 4.2, 4.3 |
| | | Updating Error Codes | MCCP082 | Section 4.2 |
| | | Schema Changes for Validity | MCCP089 | Section 4.3 |
| 1.10 | 30/03/2012 | Deregistration | MCCP052 – 079 | Section 4.2, 4.3 |
| | | Vacancy Admin Charging Scheme | MCCP091-CC | 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 |

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1. Purpose and Scope

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

1. the **Low Volume Interface (LVI)**
 - a. this interface is web based and available to all Trading Parties
 - b. it is unsuitable for Trading Parties with large data volumes to transact and / or those seeking a greater degree of process automation
 - c. for further information on the LVI please refer to the [CMA LVI User Manual]
2. the **High Volume Interface (HVI)**
 - a. this interface is available to all Trading Parties
 - b. it is suitable for transacting large data volumes with the CMA
 - c. all transactions are available via this interface

The Data Transaction Catalogue (DTC) provides:

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

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

1.1 Annexes

Items 3 and 4 are annexes as follows:

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

2. Data Items

2.1 Overview

Data items are defined using the following parameters:

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

Key 1

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

Key 2

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

2.2 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 |
| Free Descriptor | D5001 |
| Gap Site Status | D4017 |
| GISX | D3017 |
| GISY | D3018 |
| GISZFreeDescriptor | D3019 |
| Large User Volume Agreement | D2007 |

| Name | Date Item |
|--|-----------|
| 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 |
| Originator's Reference | D1003 |
| 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 |
| 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 |
| Service Category | D2002 |
| Sewerage Chargeable Meter Size | D3005 |
| Sewerage SP LP Org ID | D4012 |
| SIC Code | D2008 |
| SPID | D2001 |
| SPID Vacant | D2015 |
| S Read Reason Code | D3028 |
| S Read Remedial Work Indicator | D3029 |
| St | D6007 |
| Sub Building Name | D5002 |

| Name | Date Item |
|--------------------------------|------------------|
| Sub-meter ID | D3006 |
| Sub SPID | D2036 |
| Surface Area | D2012 |
| SW Connection Reference | D2009 |
| TE Treatment | 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 Destination Org ID | D1006 |
| Transaction Source Org ID | D1005 |
| 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)

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

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

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

| | |
|--------------------------|---------------------------------|
| Data Item Number: | D1004 Removed March 2015 |
|--------------------------|---------------------------------|

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| | |
|--------------------------|-------------------------------------|
| Data Item Number: | D2019 Removed September 2013 |
|--------------------------|-------------------------------------|

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

| | |
|--------------------------|-------------------------------------|
| Data Item Number: | D2021 Removed September 2013 |
|--------------------------|-------------------------------------|

| | |
|--------------------------|-------------------------------------|
| Data Item Number: | D2022 Removed September 2013 |
|--------------------------|-------------------------------------|

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

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

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

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

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

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

| | |
|------------------------------------|--|
| Data Item Number | D2029 |
| Data Item Name | Metered Building Water |
| Data Item Logical Type | Boolean |
| Member of unique serial set | No |
| Member of Valid Set | No |
| Data Group | SPID (Core) |
| Correction Method | Error Rectification |
| Data Owner | SW |
| Description | 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 |

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

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

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

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

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

| | |
|-------------------------------------|---|
| Data Item Number: | D2035 |
| Data Item Name: | Main SPID |
| Data Item Logical Type: | String |
| Member of unique serial set: | Yes |
| Member of Valid Set: | Yes |
| Data Group: | Supply Point |
| Correction Method: | N/A |
| Data Owner: | CMA |
| Description: | 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 |

| | |
|-------------------------------------|--------------|
| Data Item Number: | D2036 |
| Data Item Name: | Sub SPID |
| Data Item Logical Type: | String |
| Member of unique serial set: | Yes |
| Member of Valid Set: | Yes |

| | |
|---------------------------|--|
| Data Group: | Supply Point |
| Correction Method: | N/A |
| Data Owner: | CMA |
| Description: | 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 |

| | |
|-------------------------------------|--|
| Data Item Number: | D2037 |
| Data Item Name: | SAA Reference Number |
| Data Item Logical Type: | string |
| Member of unique serial set: | no |
| Member of Valid Set: | no |
| Data Group: | Address |
| Correction Method: | Error Rectification |
| Data Owner: | SW |
| Description: | Scottish Assessors Association Reference |

| | |
|-------------------------------------|---|
| Data Item Number: | D2038 |
| Data Item Name: | SAA Reference Number Absence Code |
| Data Item Logical Type: | string |
| Member of unique serial set: | no |
| Member of Valid Set: | yes |
| Data Group: | Address |
| Correction Method: | Error Rectification |
| Data Owner: | SW |
| Description: | Code to explain the absence of a Scottish Assessors Association Reference |

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

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

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

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

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

| | |
|-------------------------------------|-------------------------|
| Data Item Number: | D3003 |
| Data Item Name: | Physical Meter Size |
| Data Item Logical Type: | numerical |
| Member of unique serial set: | no |
| Member of Valid Set: | no |
| Data Group: | Meter |
| Correction Method: | Retrospective Amendment |

| | |
|---------------------|--------------------------------|
| Data Owner: | SW |
| Description: | Actual size of a meter in [mm] |

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

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

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

| | |
|-------------------------------------|-------------------------------|
| Data Item Number: | D3007 |
| Data Item Name: | Non-Return to Sewer Allowance |
| Data Item Logical Type: | percentage |
| Member of unique serial set: | no |
| Member of Valid Set: | no |
| Data Group: | Meter |
| Correction Method: | Retrospective Amendment |
| Data Owner: | SW |

| | |
|-------------------------|---|
| Description: | Non-return to sewer allowance for a particular meter in [%] |
| Further Details: | Typically this is 95% (i.e. 95% of the water volume is deemed to "return to sewer"). If a non-standard Non-Return to Sewer Allowance is in place, the value reflects the percentage that is agreed to be returning to the sewer |

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

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

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

| | |
|-------------------------------------|--|
| Data Item Number: | D3011 |
| Data Item Name: | Meter Read Frequency |
| Data Item Logical Type: | string |
| Member of unique serial set: | no |
| Member of Valid Set: | yes |
| Data Group: | Meter |
| Correction Method: | Error Rectification |
| Data Owner: | SW |
| Description: | The frequency that the Licensed Provider must read a meter |

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| | Note, a value of N means that the LP should not provide meter readings – see CSD0202 and CSD0203 for details. |
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| Data Item Number: | D3012 |
| Data Item Name: | Re-Read |
| Data Item Logical Type: | boolean |
| Member of unique serial set: | no |
| Member of Valid Set: | no |
| Data Group: | Meter |
| Correction Method: | Error Rectification |
| Data Owner: | LP or SW |
| Description: | Identifies a meter read as a re-read |

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

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

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

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

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

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

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

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

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

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

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

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|-------------------------------------|--------------|
| Data Item Number: | D3024 |
| Data Item Name: | MDVol |
| Data Item Logical Type: | Percentage |
| Member of unique serial set: | No |
| Member of Valid Set: | No |

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|---------------------------|--|
| Data Group: | Meter |
| Correction Method: | Retrospective Amendment |
| Data Owner: | SW |
| Description: | For a meter Discharge Point association, the percentage of the volume associated with a meter which is discharged to the Discharge Point |

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

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

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

| | |
|-------------------------------------|-------------------------|
| Data Item Number: | D3028 |
| Data Item Name: | S Read Reason Code |
| Data Item Logical Type: | String |
| Member of unique serial set: | No |
| Member of Valid Set: | Yes |
| Data Group: | Meter |
| Correction Method: | Retrospective Amendment |
| Data Owner: | LP |

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

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

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

| | |
|-------------------------------------|--|
| Data Item Number: | D4003 |
| Data Item Name: | Text Comment Field |
| Data Item Logical Type: | string |
| Member of unique serial set: | no |
| Member of Valid Set: | no |
| Data Group: | Market |
| Correction Method: | n/a |
| Data Owner: | LP or SW |
| Description: | Generic text field for (short) comments & notes related to |

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| | the Data Transaction. |
| Further Details: | Comments may be helpful for Trading Parties to track, identify or query changes and should reflect the reason for a change as appropriate. |

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

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

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

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|-------------------------------------|--|
| Data Item Number: | D4007 |
| Data Item Name: | Date of Evidence |
| Data Item Logical Type: | date |
| Member of unique serial set: | no |
| Member of Valid Set: | no |
| Data Group: | Market |
| Correction Method: | Retrospective Amendment |
| Data Owner: | SW |
| Description: | Identifies the date of the site visit made in support of a |

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| | T034.0 application. |
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|-------------------------------------|---|
| Data Item Number: | D4008 |
| Data Item Name: | Cryptographic Hash |
| Data Item Logical Type: | hexBinary |
| Member of unique serial set: | no |
| Member of Valid Set: | no |
| Data Group: | Market |
| Correction Method: | N/A |
| Data Owner: | SW |
| Description: | 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. |

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

| | |
|-------------------------------------|-----------------------------|
| Data Item Number: | D4010 |
| Data Item Name: | Vacancy Change Grace Period |
| Data Item Logical Type: | positiveInteger |
| Member of unique serial set: | no |
| Member of Valid Set: | yes |
| Data Group: | Market |
| Correction Method: | Retrospective Amendment |
| Data Owner: | CMA |

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| Description: | Identifies the number of business days from the D4007 Date of Evidence to when a T034.2 and a T034.3 must be provided. |
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| Data Item Number: | D4011 |
| Data Item Name: | Water SP LP Org ID |
| Data Item Logical Type: | String |
| Member of unique serial set: | yes |
| Member of Valid Set: | yes |
| Data Group: | Market |
| Correction Method: | N/A |
| Data Owner: | CMA |
| Description: | The Organisation ID of an LP. Provided in connection with the Vacancy Admin Charging Scheme. |

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

| | |
|-------------------------------------|--------------------|
| Data Item Number: | D4013 |
| Data Item Name: | Trading Party Name |
| Data Item Logical Type: | String |
| Member of unique serial set: | No |
| Member of Valid Set: | No |
| Data Group: | Market |
| Correction Method: | N/A |
| Data Owner: | CMA |

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

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

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

| | |
|-------------------------------------|-----------------|
| Data Item Number: | D4017 |
| Data Item Name: | Gap Site Status |
| Data Item Logical Type: | String |
| Member of unique serial set: | No |
| Member of Valid Set: | Yes |

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|---------------------------|---|
| Data Group: | Market |
| Correction Method: | N/A |
| Data Owner: | CMA |
| Description: | Identifies whether an LP has opted out of the Gap Site allocation process.. |

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

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

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

| | |
|-------------------------------------|-----------------|
| Data Item Number: | D5004 |
| Data Item Name: | Building Number |
| Data Item Logical Type: | string |
| Member of unique serial set: | no |
| Member of Valid Set: | no |
| Data Group: | Address |

| | |
|---------------------------|---------------------|
| Correction Method: | Error Rectification |
| Data Owner: | SW or LP |
| Description: | Building number |

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

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

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

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

| | |
|--------------------------|---------------------------|
| Data Item Number: | D5009 |
| Data Item Name: | Double Dependent Locality |

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

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

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

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

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

| | |
|---------------------|----------|
| Description: | Postcode |
|---------------------|----------|

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

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

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

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

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

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

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

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

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

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

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

| | |
|-------------------------------------|---|
| Data Item Number: | D6012 |
| Data Item Name: | Pcent Allowance |
| Data Item Logical Type: | Percentage |
| Member of unique serial set: | No |
| Member of Valid Set: | No |
| Data Group: | Trade Effluent |
| Correction Method: | Retrospective Amendment |
| Data Owner: | SW |
| Description: | 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. |
|--|---|

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|-------------------------------------|---|
| Data Item Number: | D6013 |
| Data Item Name: | Fixed Allowance |
| Data Item Logical Type: | Numerical |
| Member of unique serial set: | No |
| Member of Valid Set: | No |
| Data Group: | Trade Effluent |
| Correction Method: | Retrospective Amendment |
| Data Owner: | SW |
| Description: | 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 |
|--------------|--------------------------------------|---------------------------|---|
| D2002 | Service Category | 01 | Identifies Supply Point as Water Services category |
| | | 02 | Identifies Supply Point as Sewerage Services category |
| D2005 | Customer Classification | LIC | Large Impact Customer |
| | | SST | Sensitive Customer |
| | | NA | Not Applicable |
| D2014 | Farm/Croft | FARM | Farm |
| | | CROFT | Croft or Small Holding |
| | | NA | Not Applicable |
| D2023 | New Connection Type | NEW | Standard new connection |
| | | GS | Gap Site |
| | | CU | Change of Use |
| D2025 | Disconnection/Reconnection | REC | Supply Point Reconnection |
| | | TDISC | Temporary Disconnection |
| | | PDISC | Permanent Disconnection |
| | | DREG | Deregistration |
| D2028 | Customer Name Type | Customer Developer | Customer Name Type |
| D2034 | Allocation Method | Rotation | Allocation Method |
| | | Associated SPID | |
| D2038 | SAA_Reference Number Absence Code | NR | Property Not Yet Rated |
| | | ME | Missing Entry From SAA |
| | | AG | Agricultural Land, Buildings and Troughs |
| | | SR | Fish Farms, Fishing and Sporting Rights |
| | | RC | Parks, Allotments and Sports Grounds |
| | | MT | Multi-Tenancy |
| | | CU | Cumulo Supply Point |
| | | IP | Infrastructure Project |
| | | BW | Building Water |
| | | OT | Other |
| D2040 | UPRN Absence Code | ME | Missing Entry From the OSG |
| | | AG | Agricultural, Including Troughs |
| | | SR | Fish Farms, Fishing and Sporting Rights |
| | | RC | Parks, Allotments and Sports Grounds |
| | | MT | Multi-Tenancy |
| | | CU | Cumulo Supply Point |
| | | IP | Infrastructure Project |

| DI # | DI Name | Code | Description |
|--------------|-------------------------------------|-------------------------|---|
| | | PL | Not Yet Issued by Planning |
| | | BW | Building Water |
| | | OT | Other |
| D2041 | Percentage Allowance | 50 | |
| | | 100 | |
| D3010 | Meter Read Type | O | Opening Read |
| | | E | End Read |
| | | I | Initial Read |
| | | F | Final Read |
| | | C | Regular Cyclic Read |
| | | U | Customer Read |
| | | S | Estimated Transfer Read |
| | | T | Transfer Read |
| | | X | Temporary Disconnection Read |
| | | Y | Reconnection Read |
| | | R | AMR Read |
| D3011 | Meter Read Frequency | B | Bi-annually |
| | | M | Monthly |
| | | N | Never |
| D3022 | Meter Treatment | SWWater | Scottish Water Water Meter |
| | | LogicalWater | Logical Water Meter |
| | | PseudoWater | Pseudo Water Meter |
| | | PrivateWater | Private Water Meter |
| | | PrivateEffluent | Private Effluent Meter |
| | | TankeredEffluent | Tankered Effluent |
| D3025 | Meter Location Code | M1 | Outside property boundary |
| | | M2 | Just inside property boundary |
| | | M3 | Further Inside property boundary |
| | | M4 | Inside building |
| D3028 | S Read Reason Code | WMD | Wrong Meter Details |
| | | NMA | No Meter Access |
| | | NMF | No Meter Found |
| | | NSA | No Site Access |
| D4005 | Cancellation Code | S | SPID error (Incoming Licensed Provider) |
| | | N | No contract (Incoming Licensed Provider) |
| | | D | Outstanding debt (Outgoing Licensed Provider) |
| | | C | Contract in term (Outgoing Licensed Provider) |
| | | F | Self Supplier (Outgoing Licensed Provider) |
| D4009 | <i>Cryptographic Hash Algorithm</i> | SHA256 | SHA256 cryptographic hash algorithm |
| D4010 | <i>Grace Period</i> | 22 | 22 business days |
| | | 45 | 45 business days |
| | | 65 | 65 business days |
| D4014 | <i>Trading Party Type</i> | Full | Full License |
| | | Self Supply | Self-Supply License |
| | | Specialist | Specialist License |
| | | Terminated | LP has exited the market |
| D4015 | <i>POLR Status</i> | POLR | LP is a POLR LP |
| | | Opted Out | LP has opted out of POLR |
| D4016 | <i>Trading Party Service</i> | Water | LP has a water License |
| | | Sewerage | LP has a Sewerage License |

| DI # | DI Name | Code | Description |
|--------------|------------------------|-----------------------------|---|
| | | Water & Sewerage | LP has a Water and Sewerage License |
| D4017 | <i>Gap Site Status</i> | Gap Site | LP can be allocated Gap Sites |
| | | Opted Out | LP has opted out of Gap Site allocation |
| D6011 | <i>TE Treatment</i> | Secondary | Secondary treatment |
| | | Primary | Primary treatment |
| | | Sub-Primary | 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 a valid Licensed Provider |
| AB | SPID must be supplied in the transaction |
| AC | SPID does not exist in the Central Systems |
| AD | Meter read submitted as re-read. An exact duplicate Ignore Read does not exist for the Meter Read |
| AE | SPID status must be Tradeable |
| AF | SPID status must be New |
| AG | SS SPID data cannot overwrite WS SPID data |
| AH | SPID status is TDISC or Reconnected |
| AI | Confirmed Connection Date must be in the past (upon receipt) |
| AJ | Data required to complete new SPID process has not been received i.e. no chargeable SEs exist/ an RV is required. |
| AK | Transfer Registration Rejected: Registration Start Date outside permitted window |
| AL | Licensed Provider nominated by Scottish Water has rejected registration for a new SPID |
| AM | Invalid Cancellation: Outside Cancellation Window |
| AN | Sender must be a Licensed Provider or the meter is a Pseudo meter |
| AO | Taps/Troughs must be Farm or Croft |
| AP | Meter is PDISC or has been swapped and is Old meter |
| AQ | Transfer Registration Rejected: Registration to other Applicant already in progress. |
| AR | Transfer Registration Rejected: Applicant already registered to SPID or transfer to Applicant already pending. |
| AS | Cancellation request not applicable to this Licensed Provider |
| AT | Meter Read Rejected: Read type inappropriate |
| AU | SPID Disconnection date must be today or in the past |
| AV | SPID status must be Partial or Tradeable |
| AW | Sender must be a Licensed Provider with an Active Registration |
| AX | Transfer Registration Rejected: SPID is Disconnected |
| AY | Old meter must be active |
| AZ | meter can only be added to a WS SPID |
| BA | Cannot make SPID Unmeasurable: Has meter |
| BB | The specified meter treatment type is not allowed for this transaction |
| BC | Meter Read Rejected: Meter not associated to SPID (mismatch) |
| BD | Deprecated error code. See code EM or HB |
| BE | Meter Read Rejected: outside meter capacity limit |
| BF | A read for this date already exists |
| BG | Meter Read Rejected: Licensed Provider not registered to SPID |
| BH | Meter Read Rejected: daily usage too high |
| BI | New meter read date must be the same or after the old meter read date |
| BL | Meter Read Rejected: daily usage too low |
| BN | Meter Read Rejected: small negative meter advance; would create a negative charge |
| BV | Meter Read Rejected: negative meter advance larger than 3m3 per day; would create a negative charge |
| BZ | Meter Read Rejected: zero meter advance |

| | |
|-----------|--|
| DA | DO NOT REUSE |
| DB | WS SPID and/or SS SPID does not exist in the Central Systems |
| DC | Transaction must be for a WS SPID |
| DD | Service category already exists for this connection |
| DE | Old and New Meters incompatible for meter swap. Old Meter is not a domestic meter |
| DF | Effective From date predates previous change |
| DG | Meter not associated to SPID |
| DH | Cannot complete connection of sewerage service before the related water service |
| DI | SPID has passed the switching limit |
| DJ | Transaction must contain: Sender, Recipient, Timestamp, SPID. |
| DK | Effective From Date cannot be in the future |
| DL | Sender must be wholesaler. |
| DM | Discharge Point already exists |
| DN | Discharge Point is discontinued |
| DO | SPID and DPID are not associated |
| DP | Discharge Point not associated with the water meter |
| DQ | Discharge Point already discontinued |
| DR | Discharge Point ID does not exist in the Central Systems |
| DS | TE Allowance plus Return to Sewerage Allowance cannot exceed 100% |
| DT | Cannot associate a Discharge Point with a water meter that doesn't exist in the Central Systems. |
| DU | DO NOT REUSE |
| DV | Invalid Customer Name |
| DW | Customer Name is not present |
| DX | SPID does not exist or it is a Sewerage SPID that is paired with a Water SPID |
| DY | Meter Is a Pseudo Meter |
| DZ | Either SPID or Registration Start date is not valid. |
| EA | Not in Scotland |
| EB | Comments field must be populated. The comment must be between 1 and 255 characters long |
| EC | GIS data Incomplete |
| ED | Transaction must be for a SS SPID |
| EE | CS disagrees with the Rollover Indicator provided |
| EF | Unable to determine the rollover status. Please supply the Rollover Indicator |
| EG | There are no Licensed Providers available for Gap Site allocation |
| EH | Deprecated error code. See error code BF. |
| EI | The Rollover Indicator may not be present on an O or an I read |
| EJ | SPID status must be connected. |
| EK | Message does not contain Org SenderID or Org Recipient ID |
| EL | Message must contain SPID and Effective From Date |
| EM | SPID status is Disconnected, it must be connected or TDISC |
| EN | SPID status is TDISC |
| EO | SPID status is reconnected |
| EP | SPID does not have an active registration |
| EQ | SPID status must be new or partial |
| ER | The unmeasurable Service Element on the SPID already has an Effective To date set |
| ES | DO NOT RE-USE |
| ET | SPID is disconnected, rejected, or deregistered OR has Transitional Indicator set to true on the Effective From Date |
| EU | SPID status is Unmeasurable |
| EV | SPID status must be partial or connected |
| EW | SPID status is disconnected or has been rejected. |

| | |
|-----------|---|
| EX | Licensed Provider Org ID does not match Sender Org ID |
| EY | Meter does not exist in the Central Systems |
| EZ | Meter is a Pseudo Meter |
| FA | Meter already exists in the Central Systems |
| FB | Meter ID must be included in the transaction |
| FC | Meter Make must be included in the transaction |
| FD | Meter Serial Number must be included in the transaction |
| FE | SPID status is Umeasureable or it is a special case (i.e. TA set and has one service element and that SE is unmeasurable) |
| FF | Meter Read Frequency must be N |
| FG | Chargeable Meter Size must be 20mm |
| FH | Meter is attached to a SPID and a SPID must be provided |
| FI | Meter does not exist in the Central Systems or is a Pseudo meter. |
| FJ | SPID status must be Tradable or TDISC |
| FK | Meter is a non-market meter and is not linked to a SPID |
| FL | Meter does not exist in the Central Systems |
| FM | Both old and new meter must be included in the transaction |
| FN | Old and/or New Meter does not exist in the Central Systems |
| FO | Meter either has previous reading or old meter read type is not E and/or New Meter Read type is not O |
| FP | Meter is discontinued or has already been swapped |
| FQ | Old and/or New meter is a Pseudo meter |
| FR | Old and New meters must contain same chargeable size and RTS. |
| FS | Old and New meters incompatible for meter swap. New meter is in meter network |
| FT | New meter must be active or pending |
| FU | Sender does not exist in Central Systems |
| FV | Meter Read date is earlier than the Effective To date of Unmeasurable Service Elements associated with the Supply Point |
| FW | Read is a Duplicate Initial Read or Duplicate Final Read |
| FX | Meter read must be on a date after the last meter reading |
| FY | Initial Meter Reading Rejected: Meter Readings already exist |
| FZ | Transaction must contain SPID and SPID Sender Org Id or Recipient Org ID. |
| GA | SPID status must be Partial |
| GB | Effective Date and/or Metered Building Water Flag values must be different to the current values in the Central Systems |
| GC | Effective Date must be on or after 1 April 2011 |
| GD | The WS SPID Status must be new or partial, the SS SPID Status must be partial or tradable |
| GE | Required data items have not been provided for this Meter Treatment type |
| GF | A New or Partial Supply Point cannot be permanently disconnected; deregistration must be used |
| GG | There are unterminated meter(s) at the Supply Point |
| GH | There are unterminated Trade Effluent Discharge Point(s) at the Supply Point |
| GI | The meter read date cannot be in the future |
| GJ | Sewerage SPID has been associated to a Tradeable Water SPID at some point since the D4006_EffectiveFrom |
| GK | SPID has not been Tradable or TDISC continuously since the D4006_EffectiveFrom |
| GL | SPID must be continuously vacant from the D4006_EffectiveFrom |
| GM | Date of Evidence too early compared to the transaction date |
| GN | LP has transferred SPID since the D4006_EffectiveFrom, or SPID transfer is pending |
| GO | SPID must be continuously vacant from the D4006_EffectiveFrom |
| GP | There is already an existing Open Vacancy Application for this SPID |
| GQ | Details do not match any opened T034.0 Vacancy Scheme Application |

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| GR | Vacancy Scheme Application has been previously closed |
| GS | Vacancy Scheme Grace Period has not yet elapsed (LP not yet notified) |
| GT | Vacancy Scheme Application Rejected due to late T034.4 |
| GU | Date cannot be in the future |
| GV | Supply Point must not be Pre-Tradeable |
| GW | Supply Point must be Pre-Tradeable |
| GX | Connect the Sewerage Supply Point via the Water Supply Point as the Water is Pre Tradeable |
| GY | Water Supply Point is not (potentially) chargeable on given connection date |
| GZ | Sewerage Supply Point is not (potentially) chargeable on given date |
| HA | The meter read date is less than "2007-04-01" |
| HB | The SPID has never been declared Unmeasurable OR there are no Unmeasurable Service Elements active on or after the EffectiveFrom Date |
| HC | You cannot swap a meter with itself |
| HD | It is not safe to change the number of digits on the meter |
| HE | Meter Read digit count is greater than the meter digit count |
| HF | Wholesaler cannot send a Cyclic, Customer, AMR or Transfer Read for a market meter |
| HG | An exact duplicate of this meter read already exists |
| HH | Meter reads cannot be submitted for a sewerage SPID |
| HI | The specified SPID does not relate to the meter or the Sender is not valid |
| HJ | A SPID has been specified or the Sender is not valid |
| HK | The specified D3007_ReturnToSewerAllowance is not valid |
| HL | D3002_(Chargeable Meter Size) must be zero for Private Water Meters, Private Effluent Meters and Tankered Waste Meters. |
| HM | The Meter Treatment must be the same for the old and the new meter |
| HN | Return to Sewerage Allowance cannot be set to Zero for SWWater / PrivateWater/LogicalWater meters that are associated to a DPID on the Effective Date |
| HO | Water SPID is not associated with a Market Meter |
| HP | The specified D2001 (SPID) must be a sewerage SPID and must have an associated water SPID |
| HQ | Water SPID Transfer Meter Reads can only be sent by the Incoming LP |
| HR | Sender is not the current LP |
| HS | The Sewerage Supply Point of the DPID is not associated with the Water Supply Point of the Meter |
| HT | The MDVol value on the given Effective Date has already been previously set for the DPID-Meter Association |
| HU | The Meter's Return to Sewerage should be greater than 0.00% continuously from the Effective From Date |
| HV | The DPID has active meter associations |
| HW | D3005 (Sewerage Chargeable Meter Size) must be zero for Private Effluent Meters and Tankered Effluent Meters |
| HX | No SPID must be provided for a non-market meter |
| HY | The Meter Treatment of the Subtraction Meter must be the same as that of the Main Meter. |
| HZ | Transfer Meter Read rejected; the LP for the associated water SPID should provide the T reading |
| IA | No Meter Location Code Provided |
| IB | Meter has previously been made active |
| IC | In a Meter Network, the SubSPID should not be the same MainSPID |
| ID | Farm/Croft flag must be set if number of Outside Taps or Troughs and Drinking Bowls is greater than zero |
| IE | MID Already Exists |
| IF | The Meter is not associated to the provided SPID |
| IG | The Meter should have treatment SWWater or PrivateWater. |
| IH | The Meter should have at least one meter reading |

| | |
|-----------|--|
| II | The SubMeter is non-domestic but the SubSPID Is not provided OR the SubMeter is domestic yet a SubSPID is provided |
| IJ | The Meter Network Association is already active for the requested period |
| IK | The Meter Network Association is already inactive for the requested period. |
| IL | The Sub Meter can only be actively associated to one Main Meter at any given time. |
| IM | There is no existing Meter Network Association between the Main Meter and the Sub Meter |
| IN | The Meter Network Activation date should be prior to the earlier of the Main & Sub End Dates |
| IO | The Meter Network Activation date should be after the later of the Main & Sub Start Dates |
| IP | The meter is part of a Meter Network that is active at a date on or after the Final Read Date |
| IQ | The Supply Point or Associated Supply Point has more than one Unmeasurable on a given day on or after the Effective From Date. |
| IR | There already exists a Metered Period for the Supply Point (or associated Supply Point) on or after the Effective From Date. |
| IT | The S Read Reason Code must be provided |
| IU | The S Read Remedial Work Indicator must be provided and set to true |
| IV | The D2041 should only be provided if the D2004 is provided and is set to TRUE. |
| IW | The specified D2041 Percent Exemption value is not valid for this transaction. |
| IX | The specified Org ID does not exist in Central Systems |
| IY | Associated Water SPID must not be Tradeable or TDISC |
| IZ | D4006 must be greater than the Effective To Date of the last instance of the WSP being either Tradeable or TDISC |
| JA | Invalid Character Found |
| JB | D3028 and D3029 should only be provided for S reads. |
| JC | Either the D2037 or the D2038 must be provided. |
| JD | Either the D2039 or the D2040 must be provided. |
| JE | Reference already exists in the CS against a SPID that is New, Partial, Tradeable, TDISC, or Rejected |
| JF | Reference should match the existing value in the CS for the Supply Point. |
| JG | UARN is duplicated in SAA - more information required |
| JH | No action specified - more information required |
| <u>KO</u> | <u>The Supply Point is currently Deregistered and so it cannot be Disconnected.</u> |
| <u>KP</u> | <u>The Supply Point is currently Disconnected and so it cannot be Deregistered.</u> |
| XA | 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:

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

Key

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

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

4.2 Alphabetical List of Data Transactions

| Name | Transaction |
|---|-------------|
| Create Update Customer Name | T032.0 |
| Customer Name Updated | T032.1 |
| Customer Name Updated | T032.2 |
| Declare Disconnection/Reconnection/Deregistration | T015.0 |
| Discontinue DPID | T026.0 |
| Discontinue DPID | T026.1 |
| Error / Notification | T009.0 |
| Error / Notification | T009.1 |
| Error / Notification | T009.2 |
| Error / Notification | T009.3 |
| Meter Read | T005.0 |
| Meter Read | T005.1 |
| Meter Read | T005.2 |
| Meter Read | T005.3 |
| Notify Connection | T007.2 |
| Notify Connection Complete (SS) | T007.1 |
| Notify Connection Complete (WS) | T007.0 |
| Notify Disconnection/Reconnection/Deregistration | T015.1 |
| Notify DP Meter Reads | T030.0 |
| Notify DP Meter Reads | T030.1 |
| Notify DPID | T021.0 |
| Notify DPID | T021.1 |
| Notify EWA ¹ | T031.0 |
| Notify Meter Association | T023.0 |
| Notify Meter Association | T023.1 |
| Notify Meter Chargeable | T014.1 |
| Notify Meter De-association | T024.0 |
| Notify Meter De-association | T024.1 |
| Notify Meter Details | T004.0 |
| Notify Meter Details | T004.1 |
| Notify Meter Details | T004.2 |
| Notify Meter Location | T013.3 |
| Notify/Update Metered Building Water | T033.0 |
| Notify Metered Building Water | T033.1 |
| Notify Meter Network Data | T036.1 |
| Notify New SPID | T002.0 |
| Notify New SPID | T002.1 |
| Notify Registration Cancellation | T011.0 |
| Notify Registration Cancellation | T011.1 |
| Notify RSD | T008.0 |
| Notify RSD | T008.1 |
| Notify RSD | T008.2 |
| Notify SAA Reference Number/UPRN | T012.6 |
| Notify SPID Special Arrangement | T029.0 |
| Notify SPID Unmeasurable Status | T016.1 |
| Notify SS SPID Data | T020.0 |

¹ Transaction Disabled

| Name | Transaction |
|---|--------------------|
| Notify SS SPID Service Elements | T006.5 |
| Notify Swap Meter | T017.0 |
| Notify Swap Meter | T017.1 |
| Notify TE Operating Data | T022.1 |
| Notify TE Schedule 3 | T028.0 |
| Notify TE Schedule 3 | T028.1 |
| Notify TE Volume | T025.0 |
| Notify TE Volume | T025.1 |
| Notify TE Volume | T025.2 |
| Notify TE Volume | T025.3 |
| Notify WS SPID Data | T019.0 |
| Notify WS SPID Service Elements | T006.4 |
| Notify/Update Virtual Meter Details | T004.3 |
| Partial Registration Application | T003.0 |
| Provide SS SPID Data | T006.1 |
| Provide SS SPID Service Elements | T006.3 |
| Provide WS SPID Data | T006.0 |
| Provide WS SPID Service Elements | T006.2 |
| Registration Application | T003.1 |
| Registration Cancellation | T010.0 |
| Registration Cancellation | T010.1 |
| Request New SPID | T001.0 |
| Set SPID Special Arrangement | T029.1 |
| Removed September 2013 | T029.2 |
| Set SPID Unmeasurable Status | T016.0 |
| ServiceElementUpdateNotification | T012.2 |
| Submit Meter Network Data | T036.0 |
| TradeabilityNotification | T035.0 |
| TradeabilityNotification | T035.1 |
| Update Chargeable SPID Data | T012.1 |
| Update DPID details | T027.0 |
| Update DPID details | T027.1 |
| Update Meter Chargeable | T014.0 |
| Update Meter Data | T013.0 |
| Update Meter Data | T013.1 |
| Update Meter Location | T013.2 |
| Update Premises Special Arrangements | T029.3 |
| Update SAA Reference Number/UPRN | T012.5 |
| Update Sewerage Service Elements | T012.3 |
| Update SPID Data | T012.0 |
| Update TE Operating Data | T022.0 |
| 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 |
| | |

4.3 Catalogue: Transactions (numerical order)

| | | |
|---------------------------|--|-------------|
| Transaction Number | T001.0 | |
| Transaction Name | Request New SPID | |
| From | SW | |
| To | CMA | |
| DI # | Name | FLAG |
| D4001 | Organisation ID | OP |
| D2009 | SW Connection Reference | RQ |
| D2002 | Service Category (SPID tag) | RQ |
| D2001 | SPID (see note below) | OP |
| D2023 | New Connection Type | RQ |
| D2037 | SAA Reference Number | OP |
| D2038 | SAA Reference Number Absence Code | OP |
| D2039 | UPRN | OP |
| D2040 | UPRN Absence Code | OP |
| D5001 | Free Descriptor | OP |
| D5002 | Sub Building Name | OP |
| D5003 | Building Name | OP |
| D5004 | Building Number | OP |
| D5005 | Dependent Thoroughfare Name | OP |
| D5006 | Dependent Thoroughfare Descriptor | OP |
| D5007 | Thoroughfare Name | OP |
| D5008 | Thoroughfare Descriptor | OP |
| D5009 | Double Dependent Locality | OP |
| D5010 | Dependent Locality | OP |
| D5011 | Post Town | OP |
| D5012 | County | OP |
| D5013 | Postcode | OP |
| Description | <p>Used by SW to request new SPID at creation of a new Supply Point or New Connection.</p> <p>D4001 Organisation ID is not required where D2023 New Connection Type is for a Gap Site. Otherwise D4001 must be populated.</p> <p>For each service category at a premises, the transaction shall be repeated with the same SW Connection Reference to ensure that SPIDs created are identified as related. If one SPID already exists and another service is being added to create a pair for the premises, the SPID field must be completed to ensure that the SPIDs are related via the Core number</p> | |

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

| | | |
|---------------------------|-----------------------------------|-------------|
| Transaction Number | T002.1 | |
| Transaction Name | Notify New SPID | |
| From | CMA | |
| To | SW | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D2009 | SW Connection Reference | RQ |
| D2034 | Allocation Method | RQ |
| D4001 | OrgID | RQ |
| D2037 | SAA Reference Number | OP |
| D2038 | SAA Reference Number Absence Code | OP |
| D2039 | UPRN | OP |
| D2040 | UPRN Absence Code | OP |
| D5001 | Free Descriptor | OP |
| D5002 | Sub Building Name | OP |
| D5003 | Building Name | OP |

| | | |
|--------------------|---|----|
| D5004 | Building Number | OP |
| D5005 | Dependent Thoroughfare Name | OP |
| D5006 | Dependent Thoroughfare Descriptor | OP |
| D5007 | Thoroughfare Name | OP |
| D5008 | Thoroughfare Descriptor | OP |
| D5009 | Double Dependent Locality | OP |
| D5010 | Dependent Locality | OP |
| D5011 | Post Town | OP |
| D5012 | County | OP |
| D5013 | Postcode | OP |
| Description | Notification 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. | |

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

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

| | | |
|---------------------------|-------------------------------|-------------|
| Transaction Number | T004.0 | |
| Transaction Name | Notify Meter Details | |
| From | SW | |
| To | CMA | |
| DI # | Name | FLAG |
| D2001 | SPID | OP |
| D3001 | Meter ID | RQ |
| D3004 | Number of Digits | RQ |
| D3003 | Physical Meter Size | OP |
| D3002 | Chargeable Meter size | RQ |
| D3011 | Meter Read Frequency | RQ |
| D3007 | Non-Return to Sewer Allowance | RQ |

| | | |
|--------------------|---|----|
| D3005 | Sewerage Chargeable Meter Size | RQ |
| D3013 | Meter Make | RQ |
| D3014 | Manufacturer Meter Serial Number | RQ |
| D3015 | Datalogger_SW | OP |
| D3016 | Datalogger_NonSW | OP |
| D3017 | GISX | OP |
| D3018 | GISY | OP |
| D3019 | GISZFreeDescriptor | OP |
| D3022 | Meter Treatment | OP |
| D3023 | Accredited Entity Install | OP |
| D3025 | Meter Location Code | OP |
| D5001 | Free Descriptor | OP |
| D5002 | Sub Building Name | OP |
| D5003 | Building Name | OP |
| D5004 | Building Number | OP |
| D5005 | Dependent Thoroughfare Name | OP |
| D5006 | Dependent Thoroughfare Descriptor | OP |
| D5007 | Thoroughfare Name | OP |
| D5008 | Thoroughfare Descriptor | OP |
| D5009 | Double Dependent Locality | OP |
| D5010 | Dependent Locality | OP |
| D5011 | Post Town | OP |
| D5012 | County | OP |
| D5013 | Postcode | OP |
| Description | <p>Meter details submitted by SW following a new meter installation.</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p> <p>D3003, D3017, D3018 & D3025 are required if D3022 is set to; SWWater or PrivateWater. D3017, D3018 & D3025 are required if D3022 is set to; Private Effluent. For D3003, all meter treatments are valid, except for PseudoWater</p> | |

| | | |
|---------------------------|----------------------|-------------|
| Transaction Number | T004.1 | |
| Transaction Name | Notify Meter Details | |
| From | CMA | |
| To | LP | |
| DI # | Name | FLAG |
| D2001 | SPID | OP |
| D3001 | Meter ID | RQ |
| D3004 | Number of Digits | RQ |
| D3003 | Physical Meter Size | RQ |

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

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

| | | |
|--|------------------------|--|
| | or other data updates. | |
|--|------------------------|--|

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

| | | |
|---------------------------|--|-------------|
| Transaction Number | T005.0 | |
| Transaction Name | Meter Read | |
| From | SW | |
| To | CMA | |
| DI # | Name | FLAG |
| D2001 | SPID | OP |
| D3001 | Meter ID | RQ |
| D3008 | Meter Read | RQ |
| D3009 | Meter Read Date | RQ |
| D3010 | Meter Read Type | RQ |
| D3012 | Re-Read | OP |
| D3020 | Rollover Indicator | OP |
| Description | <p>A Meter Read submission from SW</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is</p> | |

| | | |
|--|---|--|
| | <p>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> | |
|--|---|--|

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

| | | |
|---------------------------|-----------------|-------------|
| Transaction Number | T005.2 | |
| Transaction Name | Meter Read | |
| From | CMA | |
| To | LP | |
| DI # | Name | FLAG |
| D2001 | SPID | OP |
| D3001 | Meter ID | RQ |
| D3008 | Meter Read | RQ |
| D3009 | Meter Read Date | RQ |

| | | |
|--------------------|---|----|
| D3010 | Meter Read Type | RQ |
| D3028 | S Read Reason Code | OP |
| D3029 | S Read Remedial Work Indicator | OP |
| D3012 | Re-Read | OP |
| D3021 | Rollover Flag | RQ |
| Description | <p>A notification from the CMA of a Meter Read to the LP. Sent when the read is not submitted by the LP or when the read is submitted by the LP to return a read with the associated rollover flag.</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p> | |

| | | |
|---------------------------|---|-------------|
| Transaction Number | T005.3 | |
| Transaction Name | Meter Read | |
| From | CMA | |
| To | SW | |
| DI # | Name | FLAG |
| D2001 | SPID | OP |
| D3001 | Meter ID | RQ |
| D3008 | Meter Read | RQ |
| D3009 | Meter Read Date | RQ |
| D3010 | Meter Read Type | RQ |
| D3028 | S Read Reason Code | OP |
| D3029 | S Read Remedial Work Indicator | OP |
| D3012 | Re-Read | OP |
| D3021 | Rollover Flag | RQ |
| Description | <p>A notification from the CMA of a Meter Read to SW. Sent when the read is not submitted by SW or when the read is submitted by SW to return a read with the associated rollover flag.</p> <p>D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.</p> | |

| | | |
|---------------------------|----------------------|-------------|
| Transaction Number | T006.0 | |
| Transaction Name | Provide WS SPID Data | |
| From | LP | |
| To | CMA | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |

| | | |
|--------------------|---|----|
| D2005 | Customer Classification | OP |
| D2008 | SIC Code | OP |
| D2011 | Rateable Value | OP |
| Description | SPID data related to a WS Supply Point, sent by the LP for a new WS Supply Point. | |

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

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

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

| | | |
|---------------------------|---------------------------------|--|
| Transaction Number | T006.4 | |
| Transaction Name | Notify WS SPID Service Elements | |
| From | CMA | |

| | | |
|--------------------|--|-------------|
| To | LP | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D2018 | Troughs & Drinking Bowls | RQ |
| D2020 | Outside Taps | RQ |
| D2014 | Farm/Croft | RQ |
| D2011 | Rateable Value | RQ |
| Description | Notification to the LP of SPID data related to a WS Supply Point | |

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

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

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

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

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

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

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

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

| | | |
|---------------------------|----------------------|-------------|
| Transaction Number | T009.1 | |
| Transaction Name | Error / Notification | |
| From | CMA | |
| To | SW | |
| DI # | Name | FLAG |
| D2001 | SPID | OP |
| D4004 | Error/Return Code | RQ |

| | | |
|--------------------|---|----|
| D1008 | Data Item Reference | OP |
| Description | <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> | |

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

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

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

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

| | | |
|---------------------------|---------------------------|--|
| Transaction Number | T010.1 | |
| Transaction Name | Registration Cancellation | |
| From | LP(o) | |
| To | CMA | |

| DI # | Name | FLAG |
|-------------|---|------|
| D2001 | SPID | RQ |
| D4003 | Text Comment Field | RQ |
| D4005 | Cancellation Code | RQ |
| Description | Request to cancel a registration by the Outgoing LP | |

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

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

| | | |
|---------------------------|-----------------------------------|-------------|
| Transaction Number | T012.0 | |
| Transaction Name | Update SPID Data | |
| From | LP | |
| To | CMA | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D4006 | Effective From | RQ |
| D2005 | Customer Classification | OP |
| D2008 | SIC Code | OP |
| D4003 | Text Comment Field | RQ |
| D5001 | Free Descriptor | OP |
| D5002 | Sub Building Name | OP |
| D5003 | Building Name | OP |
| D5004 | Building Number | OP |
| D5005 | Dependent Thoroughfare Name | OP |
| D5006 | Dependent Thoroughfare Descriptor | OP |
| D5007 | Thoroughfare Name | OP |
| D5008 | Thoroughfare Descriptor | OP |
| D5009 | Double Dependent Locality | OP |
| D5010 | Dependent Locality | OP |

| | | |
|--------------------|---|----|
| D5011 | Post Town | OP |
| D5012 | County | OP |
| D5013 | Postcode | OP |
| Description | Ad hoc update of non-chargeable SPID data by the LP | |

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

| | | |
|---------------------------|--|-------------|
| Transaction Number | T012.2 | |
| Transaction Name | ServiceElementUpdateNotification | |
| From | CMA | |
| To | SW | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D4006 | Effective From | RQ |
| D2015 | SPID Vacant | OP |
| D4003 | Text Comment Field | RQ |
| Description | 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. | |

| | | |
|---------------------------|--|-------------|
| Transaction Number | T012.3 | |
| Transaction Name | Update Sewerage Service Elements | |
| From | SW | |
| To | CMA | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D4006 | Effective From | RQ |
| D2016 | Property Drainage | OP |
| D2017 | Road Drainage | OP |
| Description | Request to update sewerage service data by SW. | |

| | | |
|---------------------------|---|-------------|
| Transaction Number | T012.4 | |
| Transaction Name | Notify Sewerage Service Elements | |
| From | CMA | |
| To | LP | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D4006 | Effective From | RQ |
| D2016 | Property Drainage | OP |
| D2017 | Road Drainage | OP |
| Description | Notifies update to sewerage service data. | |

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

| | | |
|---------------------------|--|-------------|
| Transaction Number | T012.6 | |
| Transaction Name | Notify SAA Reference Number/UPRN Reference | |
| From | CMA | |
| To | LP | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D2037 | SAA Reference Number | OP |
| D2038 | SAA Reference Number Absence Code | OP |
| D2039 | UPRN | OP |
| D2040 | UPRN Absence Code | OP |
| Description | 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 | |

| | | |
|---------------------------|-------------------|-------------|
| Transaction Number | T013.0 | |
| Transaction Name | Update Meter Data | |
| From | SW | |
| To | CMA | |
| DI # | Name | FLAG |
| D2001 | SPID | OP |
| D4006 | Effective From | RQ |
| D3001 | Meter ID | RQ |

| | | | |
|--|--------------------|--|----|
| | D3011 | Meter Read Frequency | OP |
| | D3013 | Meter Make | OP |
| | D3014 | Manufacturer Meter Serial Number | OP |
| | D3003 | Physical Meter Size | OP |
| | D3004 | Number of Digits | OP |
| | D3015 | Datalogger_SW | OP |
| | D3016 | Datalogger_NonSW | OP |
| | D3017 | GISX | OP |
| | D3018 | GISY | OP |
| | D4003 | Text Comment Field | OP |
| | D5001 | Free Descriptor | OP |
| | D5002 | Sub Building Name | OP |
| | D5003 | Building Name | OP |
| | D5004 | Building Number | OP |
| | D5005 | Dependent Thoroughfare Name | OP |
| | D5006 | Dependent Thoroughfare Descriptor | OP |
| | D5007 | Thoroughfare Name | OP |
| | D5008 | Thoroughfare Descriptor | OP |
| | D5009 | Double Dependent Locality | OP |
| | D5010 | Dependent Locality | OP |
| | D5011 | Post Town | OP |
| | D5012 | County | OP |
| | D5013 | Postcode | OP |
| | | Update of (non-chargeable) meter details by SW | |
| | Description | D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction. | |

| | | |
|---------------------------|----------------------------------|-------------|
| Transaction Number | T013.1 | |
| Transaction Name | Notify Meter Data | |
| From | CMA | |
| To | LP | |
| DI # | Name | FLAG |
| D2001 | SPID | OP |
| D4006 | Effective From | RQ |
| D3001 | Meter ID | RQ |
| D3011 | Meter Read Frequency | OP |
| D3013 | Meter Make | OP |
| D3014 | Manufacturer Meter Serial Number | OP |
| D3003 | Physical Meter Size | OP |
| D3004 | Number of Digits | OP |
| D3015 | Datalogger_SW | OP |
| D3016 | Datalogger_NonSW | OP |

| | | |
|--------------------|--|----|
| D3017 | GISX | OP |
| D3018 | GISY | OP |
| D4003 | Text Comment Field | OP |
| D5001 | Free Descriptor | OP |
| D5002 | Sub Building Name | OP |
| D5003 | Building Name | OP |
| D5004 | Building Number | OP |
| D5005 | Dependent Thoroughfare Name | OP |
| D5006 | Dependent Thoroughfare Descriptor | OP |
| D5007 | Thoroughfare Name | OP |
| D5008 | Thoroughfare Descriptor | OP |
| D5009 | Double Dependent Locality | OP |
| D5010 | Dependent Locality | OP |
| D5011 | Post Town | OP |
| D5012 | County | OP |
| D5013 | Postcode | OP |
| Description | 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. | |

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

| | | |
|---------------------------|-----------------------|--|
| Transaction Number | T013.3 | |
| Transaction Name | Notify Meter Location | |
| From | CMA | |
| To | LP/SW | |

| DI # | Name | FLAG |
|--------------------|--|-------------|
| D2001 | SPID | OP |
| D3001 | Meter ID | RQ |
| D3019 | GIS Z Free Descriptor | OP |
| D3025 | Meter Location Code | OP |
| Description | <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> | |

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

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

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

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

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

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

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

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

| | | |
|--------------------|---|----|
| D3010 | Meter Read Type (NEW METER) | RQ |
| Description | 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. | |

| | | |
|---------------------------|---------------|----------|
| Transaction Number | T018.0 | NOT USED |
|---------------------------|---------------|----------|

| | | |
|---------------------------|---|-------------|
| Transaction Number | T019.0 | |
| Transaction Name | Notify WS SPID Data | |
| From | CMA | |
| To | LP | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D2005 | Customer Classification | RQ |
| D2008 | SIC Code | OP |
| D2011 | Rateable Value | RQ |
| D2018 | Troughs & Drinking Bowls | RQ |
| D2020 | Outside Taps | RQ |
| D2014 | Farm/Croft | RQ |
| D2024 | Unmeasurable | 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 |
| Description | Notification to a LP of all WS SPID data at Transfer Registration | |

| | | |
|---------------------------|---------------|--|
| Transaction Number | T020.0 | |
|---------------------------|---------------|--|

| | | |
|-------------------------|---|-------------|
| Transaction Name | Notify SS SPID Data | |
| From | CMA | |
| To | LP | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D2005 | Customer Classification | RQ |
| D2008 | SIC Code | 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 |
| Description | Notification to a LP of all SS SPID data at Transfer Registration | |

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

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

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

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

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

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

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

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

| | | |
|---------------------------|--|-------------|
| Transaction Number | T025.0 | |
| Transaction Name | Notify TE Volume | |
| From | LP | |
| To | CMA | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D6001 | DPID | RQ |
| D6008 | Actual Volume Discharged | RQ |
| D3009 | Meter Read Date | RQ |
| Description | Notification of Trade Effluent Volume for Settlement | |

| | | |
|--|--|--|
| | <p>calculations. Each notification should be for the volume measured since the previous T025.0 notification.</p> <p>The D3009 Meter Read Date is the date to which the volume is measured (note that it is not necessarily for a meter derived value).</p> | |
|--|--|--|

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

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

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

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

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

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

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

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

| | | |
|---------------------------|----------------------|-------------|
| Transaction Number | T028.0 | |
| Transaction Name | Notify TE Schedule 3 | |
| From | CMA | |
| To | LP | |
| DI # | Name | FLAG |

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

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

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

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

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

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

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

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

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

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

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

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

| | | |
|---------------------------|-----------------------|--|
| Transaction Number | T032.2 | |
| Transaction Name | Customer Name Updated | |
| From | CMA | |
| To | 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. | |

| | | |
|---------------------------|---|-------------|
| Transaction Number | T033.0 | |
| Transaction Name | Notify/Update Metered Building Water | |
| From | SW | |
| To | CMA | |
| DI# | NAME | FLAG |
| 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 | |

| | | |
|---------------------------|---|-------------|
| Transaction Number | T033.1 | |
| Transaction Name | Notify Metered Building Water | |
| From | CMA | |
| To | LP | |
| DI# | NAME | FLAG |
| 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 | |

| | | |
|---------------------------|---|-------------|
| Transaction Number | T034.0 | |
| Transaction Name | Vac Scheme: Application | |
| From | SW | |
| To | CMA | |
| DI # | Name | FLAG |
| 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. | |

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

| | | |
|---------------------------|---|-------------|
| Transaction Number | T034.2 | |
| Transaction Name | Vac Scheme: Grace End Notification | |
| From | CMA | |
| To | SW | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D4006 | Effective From | RQ |
| D4007 | Date of Evidence | RQ |
| D4003 | Text Comment Field | OP |
| D4004 | Error / Return Code | RQ |
| D4011 | Water SP LP Org ID | OP |
| D4012 | Sewerage SP LP Org ID | OP |
| Description | <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> | |

| | | |
|---------------------------|---|-------------|
| Transaction Number | T034.3 | |
| Transaction Name | Vac Scheme: Application Notification | |
| From | CMA | |
| To | LP; also to SS LP if SPID is WS and SS LP is distinct | |
| DI # | Name | FLAG |
| 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 |
| D4010 | Vacancy Change Grace Period | RQ |
| D4011 | Water SP LP Org ID | OP |
| D4012 | Sewerage SP LP Org ID | OP |
| Description | 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. | |

| | | |
|---------------------------|---|-------------|
| Transaction Number | T034.4 | |
| Transaction Name | Vac Scheme: Application Confirmation or Cancellation | |
| From | SW | |
| To | CMA | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D4006 | Effective From | RQ |
| D4007 | Date of Evidence | RQ |
| D2031 | Vacancy Change Flag | RQ |
| D2032 | LP Challenged Vacancy Application Flag | RQ |
| D4003 | Text Comment Field | OP |
| 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. | |

| | | |
|---------------------------|---|-------------|
| Transaction Number | T034.5 | |
| Transaction Name | Vac Scheme: Application Confirmation or Cancellation Notification | |
| From | CMA | |
| To | LP; also to SS LP if SPID is WS and SS LP is distinct | |
| DI # | Name | FLAG |
| D2001 | SPID | RQ |
| D4006 | Effective From | RQ |
| D4007 | Date of Evidence | RQ |
| D2031 | Vacancy Change Flag | RQ |
| D2032 | LP Challenged Vacancy Application Flag | RQ |
| D4003 | Text Comment Field | OP |
| 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. | |

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

| | | |
|---------------------------|---------------------------|--|
| Transaction Number | T035.0 | |
| Transaction Name | Tradeability Notification | |
| From | CMA | |

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

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

| | | |
|---------------------------|--|-------------|
| Transaction Number | T036.1 | |
| Transaction Name | Notify Meter Network Data | |
| From | CMA | |
| To | LP; also to SS LP if SPID is WS and SS LP is distinct | |
| DI # | Name | FLAG |
| D2035 | Main SPID | RQ |
| D3027 | Main Meter ID | RQ |
| D2036 | Sub SPID | OP |
| D3006 | Sub Meter ID | RQ |
| D3026 | Meter Network Association | RQ |
| D4006 | Effective From Date | RQ |
| Description | 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:

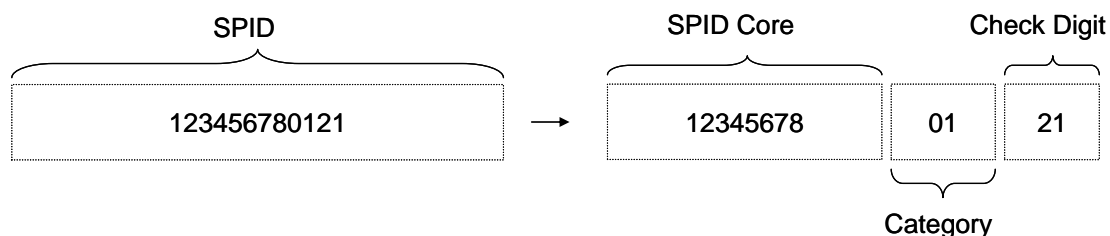


Figure 1 - SPID

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

5.1 Verifying the Check Digit

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

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

5.2 Business Day Hours

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

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

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