

Market Code Schedule 20

Code Subsidiary Document No. 0301

Data Transaction Catalogue

Version: 35

Date: 2026-09-18

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Change History

Version Number	Date of Issue	Reason for Change	Change Control Reference	Sections Affected
1.0	14/05/2007	Formatted	Working Version	
1.1	10/08/2007	Brought into line with DTC XML Schema v3.8	Working Version	
1.2	31/08/2007	Implemented Change Proposals agreed to-date	Go Live Version	
1.3	01/12/2008	Revised to permit Re-Reads to be sent using T017.0	MCCP017	
1.4	08/03/2009	Add new meter reading validation codes to the Error / Return Code Set	MCCP020	
1.5	17/08/2009	Re-assessed Charges	MCCP035-CC	Section 2.3: amended D2010 and D3010; Sections 3.2; 3.3 and 4.2; Section 4.3: New T004.3
1.6	28/06/2010	Customer Names on Database	MCCP041-CC	Sections 2.2, 2.3, 3.2, 3.3, 4.2 and 4.3
1.7	27/09/2010	Removal of T031 Transaction T017 - Meter Swap Fix Restrict Future Dates on T025	MCCP057 MCCP058 MCCP060	Section 4.2 Section 4.3
1.8	25/03/2011	New Meter Read Type R New Cancellation Comment Field Meter Rollover Dataloggers GIS Coordinates Flow T016 Effective Date and Sewerage Services Supply Point Update Late Partial Escalation Process March Release Document Update	MCCP037 MCCP040 MCCP053 MCCP070 MCCP071 MCCP072 MCCP074 MCCP075	Section 3.2 Section 3.2, 4.3 Sections 2.2, 2.3, 4.3 Section 2.2, 2.3, 3.3, 4.3 Section 2.2, 2.3, 3.3, 4.3 Section 4.3 Section 4.3 Section 3.3
1.9	11/11/11	Introduction of T033.0, T033.1 Updating Error Codes	MCCP081-CC MCCP082	Sections 2.2, 2.3, 3.3, 4.2, 4.3 Section 4.2

Version Number	Date of Issue	Reason for Change	Change Control Reference	Sections Affected
		Schema Changes for Validity	MCCP089	Section 4.3
1.10	30/03/2012	Deregistration Vacancy Admin Charging Scheme	MCCP052 – 079 MCCP091-CC	Section 4.2, 4.3 Sections 2.2, 2.3, 3.2, 3.3, 4.2 and 4.3
2.0	21/06/2012	Addition of T035.0 and T035.1 and associated new Error Codes	MCCP093 / MCCP102	Sections 3.3, 4.2 and 4.3
3.0	28/09/2012	September 2012 Release Document Update	MCCP114-CC	Sections 3.3,
4.0	12/04/2013	Trade Effluent, Error codes for duplicate meter reads and Accredited Entities.	MCCP095, MCCP 109, MCCP 113	
5.0	19/09/2013	Meter Location, SEES and Drainage, TI Flags, Duplicate MIDs and HVI Access for SW	MCCP104, MCCP105, MCCP112, MCCP123, MCCP125, MCCP126	Sections 1, 2 and 3
6.0	2014-03-21	Meter Networks, TE, extra data for SW and extra Gap Site allocation data	MCCP128 MCCP129 MCCP131 MCCP133	Sections 2, 3 and 4
7.0	2014-09-21	Data Items to support the automation of POLR and LVI access	MCCP124 MCCP142	
8.0	2015-03-31	SGES SAA Refs/UPRNs S Reads March 2015 CSD Drafting	MCCP161-CC MCCP127 MCCP141 MCCP163	Section 2, 3 and 4
9.0	2015-06-03	Reason Code Changes for S Read	MCCP177	Section 3.2
10.0	2015-06-24	New Error Codes for T015.0 as an ER	MCCP179	Section 3.3
11.0	2015-09-24	Minor Changes	MCCP172	Sections 3.2, 3.3 and 4.2
12.0	2016-03-18	Error Code Refinements Data Validations March 2016 CSD Drafting	MCCP175 MCCP182 MCCP187	Sections 1.1, 2, 3.3
13	2016-05-05	Use of S reads for POLR	MCCP192	Sections 3.2 & 4.3
14	2016-09-30	T10/T11 name changes LP Conn Ref Update to two Error Cods	MCCP196 MCCP197 MCCP198	Sections 2, 3 and 4
15	2017-03-16	Live RVs	MCCP201	
16	2017-09-28	SAA Absence Codes F Cancellation Code Sweep Up MCCP	MCCP209 MCCP211 MCCP213	Section 3.2 Section 3.2
17	2018-02-01	Live Rateable Value in Settlement February 2018 Sweep Up	MCCP214–CC MCCP219	Sections 2,3 and 4

Version Number	Date of Issue	Reason for Change	Change Control Reference	Sections Affected
18	2018-04-01	TTRAN and PPDSIC	MCCP227 – CC	
19	2018-09-27	Error Codes, Absence Codes and Landlord SPIDs	MCCP225 MCCP223 MCCP232	
20.0	2019-03-28	Data definitions and Error Codes March 2019 CSD Drafting	MCCP230 MCCP236	
21.0	2019-10-24	Discontinuation of the Vacancy Admin Scheme Renaming Transactions	MCCP240 MCCP242	Sections 2 and 4 Section 4
22.0	2020-03-26	Amendment to T005.1 spec Amendment of D2005 and Addition of T006.8 and T012.9 Addition of D2047 Addition of T015.2 and T015.3 transactions Addition of D2048 Amendment to D2013	MCCP246 MCCP243 MCCP185 MCCP247 MCCP239	Section 4 Section 3.2 Section 4 Section 3 Section 4 Section 3 Section 2
23.0	2020-05-14	Wholesale Charge Deferral Scheme	MCCP251-CC	Section 3
24.0	2020-12-08	Minor corrections	MCCP258	Section 3 Section 4
25.0	2021-04-16	Minor textual improvement to error codes DT and ML	MCCP250	Section 3.3
26.0	2021-09-23	Amending Transaction names Revisions to T003.1, T008.0 and T008.1 Addition of T12.10 Amending T012.9	MCCP262	Section 4
27.0	2022-03-24	SPID Address ownership to SW Removal of NN as a Cancellation Code Remove Permanent from D4005	MCCP224 MCCP271 MCCP272	Sections 2.4, 4.2 and 4.3 Section 3.2 Section 3.2
28.0	2023-03-23	Introduction of the MVI Discontinuation of Rateable Value Revisions to T013.0 and T013.1 Revisions to T019.0 and T020.0	MCCP264 MCCP 279 MCCP280 MCCP285	Section 1 Sections 3.2, 3.3 and Section 4 Section 4 Section 4

Version Number	Date of Issue	Reason for Change	Change Control Reference	Sections Affected
29.0	2023-09-21	Removal of D5001 from SPID and DPID addresses New T036.2 transaction Amend T008.0 transaction	MCCP287 MCCP290 MCCP291	Section 3 and 4 Section 4 Section 4
30.0	2024-03-21	Introduction of SAA Classification and SAA Description data items	MCCP295 MCCP0302	Section 2.3 and Section 4
31.0	2024-09-19	GN error code	MCCP304	Section 3.3
32.0	2025-03-20	New T009.5 and T009.6 transactions Changes to error codes	MCCP303 MCCP305 / MCCP303	Section 4 Section 3.3
33.0	2025-09-18	Amended T004.2 transaction Amended T017.1 transaction Amended T009.5 transaction XA error code Clarification on T012.3 requirements	MCCP307 MCCP309 MCCP313 MCCP314 MCCP314	Section 4 Section 4 Section 4 Section 3.3 Section 4
34.0	2026-03-20	Changes to support introduction of smart meters Revision to T020.0 Meter Location Codes	MCCP315 MCCP318 MCCP319 MCCP323	Section 2 Section 3.2 Section 4 Section 4.3 Section 4.3
35.0	2026-09-18	Addition of T004.2 to MVI Changes to error codes Amendments to T015.2 and T015.3 transactions	MCCP320 MCCP327 MCCP325	Section 1.1 Section 3.3 Section 4.3

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1. Purpose and Scope

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

1. the **Low Volume Interface (LVI)**
 - a. this interface is web based and available to all Trading Parties
 - b. incorporates a Medium Volume Interface (MVI) which allows large data volumes to be transacted for limited transaction types
 - c. it is unsuitable for Trading Parties with large data volumes to transact and / or those seeking a greater degree of process automation, except where the MVI can be used.
 - d. 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 MVI Transactions

The following transactions are available to Licensed Providers through the MVI:

- T003.1 – Registration application
- T004.2 – Submit meter YVE details
- T005.1 – Submit meter read (LP)
- T032.0 – Submit Customer Name

The following transaction is available to Scottish Water through the MVI:

- T012.7 – Update Live Rateable Value

1.2 Annexes

Items 3 and 4 above are Annexes as follows:

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

2. Data Items

2.1 Overview

Data items are defined using the following parameters:

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. 9boolean, 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 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
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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
No longer Used.	D4008
No Longer Used	D4009
Customer Classification	D2005
Customer Contact Identifier	D2051
Customer Name	D2027
Customer Name Type	D2028
Datalogger_NonSW	D3016
Datalogger_SW	D3015
Data Item Reference	D1008
Data Transaction Reference	D1001
No Longer Used	D4007
Dependent Locality	D5010
Dependent Thoroughfare Descriptor	D5006
Dependent Thoroughfare Name	D5005
Discharge Point ID	D6001
Double Dependent Locality	D5009
Duplicate Message ID	D1009
Effective From	D4006
Error/Return Code	D4004
EWA	D2026
Exempt Customer Flag	D2004
Farm/Croft	D2014
Fixed Allowance	D6013
Flow Reference	D1003
Free Descriptor	D5001
Gap Site Status	D4017
GISX	D3017
GISY	D3018
GISZFreeDescriptor	D3019
Live Rateable Value	D2042
LP Connection Reference	D2043
LP Rejection Indicator	D2047
No Longer Used	D2032

Name	Date Item
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 Method	D3044
Meter Read Type	D3010
Meter Remote Capability	D3038
Meter Treatment	D3022
Metered Building Water	D2029
Metered Building Water Effective Date	D2030
MT SPID	D2045
MT SPID Flag	D2046
New Connection Type	D2023
Non-domestic Allowance	D6009
Non-Return to Sewer Allowance	D3007
Number of Digits	D3004
Organisation ID	D4001
Ot	D6006
Outside Taps	D2020
Pcent Allowance	D6012
Pcent Exemption	D2041
Physical Meter Size	D3003
POLR Status	D4015
Post Town	D5011
Postcode	D5013
Property Drainage	D2016
Prospective Customer	D2049
Prospective Customer Occupancy Date	D2050
Rateable Value	D2011
Recipient Org ID	D1006
Registration Start Date	D4002
Re-Read	D3012
Roads Drainage	D2017
Rollover Flag	D3021
Rollover Indicator	D3020
RV Transition Flag	D2044
SAA Class	D2052
SAA Core Description	D2053
SAA_Reference Number	D2037
SAA Reference Number Absence Code	D2038
sBODL	D6004
Schedule 3	D2003
Seasonal Discharge Indicator	D6010
Sender Org ID	D1005
Service Category	D2002

Name	Date Item
Sewerage Chargeable Meter Size	D3005
No Longer Used	D4012
SIC Code	D2008
SPID	D2001
SPID Status	D2025
SPID Vacant	D2015
Estimated Read Reason Code	D3028
Estimated Read Remedial Work Indicator	D3029
SA Indicator	D2048
St	D6007
Sub Building Name	D5002
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 Timestamp	D1007
Transfer Reason Code	D4019
Troughs & Drinking Bowls	D2018
TSSL	D6005
Unmeasurable	D2024
UPRN	D2039
UPRN Absence Code	D2040
No Longer Used	D2031
No Longer Used	D4010
No Longer Used	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:	Flow 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
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Data Item Number:	D1005
Data Item Name:	Sender 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:	Recipient 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 or SW
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 Removed September 2021

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 or SW
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 or SW
Description:	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 or SW
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:	SW
Description:	Date the connection was completed
Further Details:	WS connection date used for SS SPID on same SPID core where WS SPID is not tradable. If no WS or WS SPID is tradable, then SW provides SS connection date.

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 or SW
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
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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
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Data Item Number:	D2022 Removed September 2013
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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:	SPID Status
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, a Pending Permanent 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 or SW
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 or SW
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: - Became a metered building construction site (if D2029 = True) or - Was no longer a metered building construction site (if D2029 = False)

Data Item Number:	D2031 No Longer Used October 2019
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Data Item Number:	D2032 No Longer Used October 2019
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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
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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:	D2042
Data Item Name:	Live Rateable Value
Data Item Logical Type:	Numerical
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	SPID (Core)
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Live Rateable Value of Eligible Premises in [£]

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

Data Item Number:	D2044
Data Item Name:	RV Transition 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:	Declares whether a Supply Point should be subject to the weighted Live RV and RV based charges, or not.

Data Item Number:	D2045
Data Item Name:	MT SPID
Data Item Logical Type:	String
Member of unique serial set:	Yes
Member of Valid Set:	Yes
Data Group:	SPID (Category)
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Used only for drainage-only SPIDs; identifies the MT SPID the SPID is served by.

Data Item Number:	D2046
Data Item Name:	MT SPID Flag
Data Item Logical Type:	Boolean
Member of unique serial set:	No
Member of Valid Set:	No
Data Group:	SPID (Category)
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Used only for drainage-only SPIDs; identifies whether there is a MT SPID for the identified SPID.

Data Item Number:	D2047
Data Item Name:	LP Rejection Indicator
Data Item Logical Type:	Boolean
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	SPID
Correction Method:	Error Rectification
Data Owner:	SW
Description:	Identifies whether SW has failed to obtain the agreement of the relevant LP for a back-dated De-reg/PDISC for a SPID and associated meter read deletions.

Data Item Number:	D2048
Data Item Name:	SA Indicator
Data Item Logical Type:	string
Member of unique serial set:	no
Member of Valid Set:	yes
Data Group:	SPID (Category)
Correction Method:	Error Correction
Data Owner:	SW
Description:	Indicates whether Property Drainage is charged on Surface Area, or on Live RV.

Data Item Number:	D2049
Data Item Name:	Prospective Customer
Data Item Logical Type:	string
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	SPID (Core)
Correction Method:	Retrospective Amendments
Data Owner:	LP
Description:	Used at Transfer Registration to identify the prospective customer (in the same format as for a Customer Name) where the reason for transfer is 'New Customer'.

Data Item Number:	D2050
Data Item Name:	Prospective Customer Occupancy 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
Description:	Used when a prospective customer is provided at Transfer Registration and identifies the date when such prospective customer is anticipated to have occupied the identified premises.

Data Item Number:	D2051
Data Item Name:	Customer Contact Identifier
Data Item Logical Type:	Boolean
Member of unique serial set:	No
Member of Valid Set:	No
Data Group:	Market
Correction Method:	Retrospective Amendment
Data Owner:	LP
Description:	Declares whether a customer has been contacted by an Outgoing LP prior to that LP submitting a Transfer Cancellation.

Data Item Number:	D2052
Data Item Name:	SAA Class
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:	Scottish Assessors Association Class

Data Item Number:	D2053
Data Item Name:	SAA Core Description
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 Core Description

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 showing the reason the read was taken (e.g. opening, closing, cyclic)

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

Data Item Number:	D3012
Data Item Name:	Re-Read
Data Item Logical Type:	boolean
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter

Correction Method:	Error Rectification
Data Owner:	LP or SW
Description:	Identifies a meter read as a re-read

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

Data Item Number:	D3014
Data Item Name:	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.'

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

Data Item Number:	D3016
Data Item Name:	Datalogger_NonSW
Data Item Logical Type:	boolean
Member of unique serial set:	no
Member of Valid Set:	no
Data Group:	Meter
Correction Method:	Error Rectification
Data Owner:	SW

Description:	Specifies the presence of a non Scottish Water datalogger
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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

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

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

Data Item Number:	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

Data Item Number:	D3024
Data Item Name:	MDVol
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:	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:	Estimated 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
Description:	Identifies the reason for use of an estimated Transfer Read, instead of an actual Transfer Read

Data Item Number:	D3029
Data Item Name:	Estimated 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: **D3030 to D3037 For future use**

Data Item Number:	D3038
Data Item Name:	Meter Remote Capability
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:	Identifies whether a meter is a smart meter and what remote read methods, if any, are available for the meter

Data Item Number: **D3039 to D3043 For future use**

Data Item Number:	D3044
Data Item Name:	Meter Read Method
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:	Identifies how a meter read was taken, eg by visual inspection, smart read etc

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

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

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

Data Item Number:	D4005
Data Item Name:	Cancellation Code
Data Item Logical Type:	string
Member of unique serial set:	no
Member of Valid Set:	yes
Data Group:	Market
Correction Method:	Retrospective Amendments
Data Owner:	LP

Description:	Used by Licensed Providers to specify cancellation reason
Further Details:	Used at Transfer Registration to cancel a pending registration

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

Data Item Number:	D4007 No Longer Used October 2019
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Data Item Number:	D4008 No Longer Used October 2019
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Data Item Number:	D4009 No Longer Used October 2019
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Data Item Number:	D4010 No Longer Used October 2019
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Data Item Number:	D4011 No Longer Used October 2019
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Data Item Number:	D4012 No Longer Used October 2019
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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.

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
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:	D4019
Data Item Name:	Transfer Reason 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 at Transfer Registration to specify a reason for the transfer.

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
Description:	Free text descriptor for meter location details
Further Details:	May be used to record Health & Safety information or other access instructions

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
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
Description:	Building name

Data Item Number:	D5004
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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
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
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
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
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
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
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
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
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
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
Description:	Postcode

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

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

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

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

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

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

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

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

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

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

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.

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 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	CRT	Critical Customer
		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	SPID Status	REC	Supply Point Reconnection
		TDISC	Temporary Disconnection
		TTRAN	Temporarily Transferred
		PPDISC	Pending Permanent 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
		CP	Car Park
		TS	To be Supplied
		CF	Care Facility
		EX	Exempt
		OT	Other

DI #	DI Name	Code	Description
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
		PL	Not Yet Issued by Planning
		BW	Building Water
		TS	To be Supplied
		CP	Car Park
		EX	Exempt
		CF	Care Facility
		OT	Other
D2041	Percentage Allowance	50	
		100	
D2048	SA Indicator	SA	Surface Area
		RV	Live Rateable Value
		N/A	Not Applicable
D2052	SAA Class	0001	Shops
		0002	Public Houses
		0003	Offices
		0004	Hotels etc
		0005	Industrial subjects including Factories, Warehouses and Stores
		0006	Leisure, Entertainment, Caravans and Holiday Sites
		0007	Garages and Petrol Stations
		0008	Cultural
		0009	Sporting Subjects
		0010	Education and Training
		0011	Public Service subjects
		0012	Communications (non-formula)
		0013	Quarries, Mines, etc
		0014	Petrochemical
		0015	Religious
		0016	Health and Medical
		0017	Other
		0018	Care Facilities
		0019	Advertising
		0020	Statutory Undertaking
		NA	Not available from SAA
D3010	Meter Read Type	O	Opening Read
		E	End Read
		I	Initial Read
		F	Final Read
		D	De-reg Read
		C	Regular Cyclic Read
		T	Transfer Read
		X	Temporary Disconnection Read
		Y	Reconnection Read
D3011	Meter Read Frequency	B	Bi-annually
		M	Monthly
		N	Never

DI #	DI Name	Code	Description
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	Estimateed Read Reason Code	WMD	Wrong Meter Details
		NMA	No Meter Access
		MNF	Meter Not Found
		NSA	No Site Access
		PLR	POLR
D3038	Meter Remote Capability	LMNR	Logical meter. Does not require to be read.
		MMMR-NS	Meter has no smart capability. Must be manually read.
		SMMR-NE	For individual Smart meters installed outwith programme in areas where there is no network capability and no AMR reading programme (e.g. New Connections, Gap Sites, F&R replacements etc.). Smart read data not expected. Must be manually read.
		SMMR-Comm	For smart meters installed as part of the programme. Currently in commissioning phase and will transition to AMR or AMI mode. Must be manually read.
		SMSR-AMI	Smart meter operating in AMI mode. Smart Reads.
		SMSR-AMR	Smart meter operating in AMR mode. Smart Reads.
D3044	Meter Read Method	V	Visual
		U	Customer
		S	Smart
		E	Estimated
		D	Datalogger
D4005	Cancellation Code	E	Erroneous transfer (Incoming Licensed Provider)
		D	Outstanding debt (Outgoing Licensed Provider)
		C	Contract in term (Outgoing Licensed Provider)
		P	Disconnection requested (Outgoing Licensed Provider)
		PL	POLR process cancels the transfer (Incoming Licensed Provider)
		UN	Unauthorised transfer – Customer did not agree to the transfer (Outgoing Licensed Provider)
		UW	Unauthorised transfer – Customer withdrew their agreement to the transfer (Outgoing Licensed Provider)
		F	Self Supplier (Outgoing or Incoming Licensed Provider)
D4014	Trading Party Type	Full	Full Licence
		Self Supply	Self-Supply Licence
		Specialist	Specialist Licence
		Terminated	LP has exited the market
D4015	POLR Status	POLR	LP is a POLR LP
		Opted Out	LP has opted out of POLR
D4016	Trading Party Service	Water	LP has a water Licence
		Sewerage	LP has a Sewerage Licence

DI #	DI Name	Code	Description
		Water & Sewerage	LP has a Water and Sewerage Licence
D4017	<i>Gap Site Status</i>	Gap Site	LP can be allocated Gap Sites
		Opted Out	LP has opted out of Gap Site allocation
D4019	<i>Transfer Reason Code</i>	CR	Commercial Requirement
		NC	New Customer
		RR	Regulatory Requirement
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 the valid Licensed Provider.
AB	SPID must be supplied in the transaction.
AC	SPID must exist in the CMA CS.
AD	Meter Read can only be submitted as a re-read if it is an exact duplicate of a rejected Read.
AE	SPID status must be Tradable.
AF	SPID status must be New.
AG	Data Items must be submitted for the WS SPID.
AH	Meter Read Y must be greater than or equal to Meter Read X.
AI	Connection Date must be in the past.
AJ	Meter Estimated Read Remedial Work Indicator must be provided and set to False.
AK	Registration Start Date must be within the permitted window.
AL	Licensed Provider nominated by Scottish Water has rejected the registration of the new SPID.
AM	Transfer Cancellation must be within the Cancellation Window.
AN	Meter Estimated Read Reason Code is not valid for the provided SPID.
AO	Taps/Troughs must be qualified as Farm or Croft.
AP	Meter must be Pending or Active.
AQ	SPID transfer to other Applicant already in progress.
AR	SPID already registered to Applicant, or transfer to Applicant already pending.
AS	Cancellation request not applicable to this Licensed Provider.
AT	Meter Read Rejected: Read type inappropriate.
AU	Return code must be XA
AV	SPID status must be Partial or Tradable.
AW	MID must start with the Org ID for the submitting Trading Party.
AX	Effective From date predates current registration start date.
AY	Meter Read Type and Meter Read Method must be a valid combination.
AZ	Meter can only be added to a WS SPID.
BA	MID should only contain numeric values after the Org ID.
BB	Transaction not appropriate for Pseudo Meters.
BC	Meter not associated to a SPID.
BD	Transaction rejected as MID number falls into a range that has been archived. Resend message with a new MID.
BE	Meter Read must be within its capacity limit.
BF	Meter Read for this date already exists.
BG	Licensed Provider not registered to SPID.
BH	Meter Read must be on or below its daily usage limit.
BI	Meter Read date for the New Meter must be the same or after the Old Meter Read date.
BL	Meter Read must be on or above the daily usage minimum.
BN	Meter Read must create a positive meter advance, not a small negative advance.
BV	Meter Read must create a positive meter advance, not a large negative advance.
BZ	Meter Read must create a positive advance, not a zero advance.
DA	For Future Use.

DB	For Future Use.
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	MIDs submitted to the HVI are not allowed within the LVI MID range (1000000000 to 1999999999). Resend message with a new MID.
DH	Sender must be Licensed Provider on Meter Read Date.
DI	No longer used.
DJ	Transaction must contain: Sender, Recipient, Timestamp, SPID.
DK	Effective From Date cannot be in the future.
DL	Sender must be Wholesaler.
DM	DPID already exists.
DN	DPID is discontinued.
DO	DPID must be associated to the associated Sewerage SPID
DP	DPID is not associated with a Meter.
DQ	DPID is already discontinued.
DR	DPID does not exist in the CMA CS.
DS	Sender must be the Licensed Provider for the SPID continuously from the Meter Read Date to the HVI Received at Date.
DT	A Main Meter must not have previously been a Sub Meter on the same Meter Network and a Sub Meter must not have been a Main Meter on the same Meter Network
DU	MT SPID must be provided when the MT SPID Flag is True.
DV	Customer Name must conform to the required format.
DW	Meter Treatment and Meter Remote Capability must be compatible.
DX	SS SPID is associated with a WS SPID that is not PDISC or DREG.
DY	Meter Is a Pseudo Meter.
DZ	Prospective Customer data items must not be specified if Transfer Reason Code is CR (Commercial Requirement) or RR (Regulatory Requirement).
EA	GIS X, Y coordinates must be in Scotland.
EB	Comments field must be populated. The comment must be between 1 and 255 characters long.
EC	GIS X, Y data Incomplete.
ED	SPID must be a SS SPID.
EE	Rollover Indicator not consistent with CMA CS determination.
EF	Rollover Indicator required. CMA CS unable to determine the rollover status.
EG	SPID cannot be allocated. There are no Licensed Providers available for Gap Site allocation.
EH	SPID must not have an associated Water SPID when specifying an MT SPID.
EI	Rollover Indicator must not be present on an O or an I read.
EJ	SPID status must not be; REJ, PDISC or DREG.
EK	MT SPID must exist in CMA CS.
EL	MT SPID must be Tradable or TDISC.
EM	MT SPID must be a Water SPID.
EN	SPID status is already TDISC.
EO	SPID status is must be TDISC or TTRAN.
EP	SPID must not be subject to a pending transfer for TDISC to proceed.
EQ	SPID must not be New or Partial.
ER	SPID must be New or Partial.
ES	MT SPID must have an SAA Reference Number Absence Code of MT.
ET	SPID must not be; PDISC, DREG or REJ.
EU	SPID status must not be Unmeasurable.
EV	MT SPID must not be provided when the landlord SPID flag is false.

EW	Effective From date must not pre-date earliest PPDISC date.
EX	Licensed Provider Org ID does not match Sender Org ID.
EY	Meter does not exist in the CMA CS.
EZ	Effective From date must be on or after 2017-04-01.
FA	Meter already exists in the CMA CS.
FB	Transaction must include a Meter ID.
FC	Transaction must include a Meter Make.
FD	Transaction must include a Manufacturers Meter Serial Number.
FE	MT SPIDs must not be unmeasurable.
FF	Meter Read Frequency must be N.
FG	Meter Chargeable Size must be 20mm.
FH	Meter is attached to a SPID and a SPID must be provided.
FI	Submitted SPID Status must be REC or TDISC.
FJ	SPID status must be Tradable or TDISC.
FK	SPID should not be included for a Non-Market Meter.
FL	SPID Status must not be REJ.
FM	Meter: Both Old and New Meters must be included in the transaction.
FN	Meter: Old and/or New Meter must exist in the CMA CS.
FO	Old Meter read type must be E and/or New Meter Read type must be O, or New Meter has a previous reading.
FP	Meter must be Active.
FQ	Meter: Old and/or New Meter cannot be a Pseudo meter.
FR	Meter: Old and New Meters must contain same chargeable size and RTS.
FS	Meter: New Meter is in a Meter Network and cannot be swapped.
FT	Meter: New Meter must be Active or Pending.
FU	SPID must not be an MT SPID.
FV	Meter Read date must be later than the Effective To date of Unmeasurable Service Elements associated with the SPID.
FW	Meter read must not be a duplicate I or duplicate F read.
FX	Meter Read must be on a date after the last meter reading.
FY	MT SPID Flag must be included and set to True when specifying a MT SPID.
FZ	SPID must have one active Meter.
GA	SPID status must be Partial.
GB	Meter Effective From date and/or Metered Building Water Flag values must be different to the current values in the CMA CS.
GC	Meter Effective From date must be on or after 1 April 2011.
GD	No longer used.
GE	Data Items that are required have not been provided for this Meter Treatment type.
GF	SPID is New or Partial and must be Deregistered.
GG	Meter(s) at the SPID must be Discontinued.
GH	DPID(s) at the SPID must be Discontinued.
GI	Meter Read Date must be today or in the past.
GJ	No longer used.
GK	SPID has not been Tradable or TDISC continuously since the Effective From date.
GL	SPID must be continuously vacant from the Effective From date.
GM	EFD must be after TTRAN or PPDISC period
GN	Meter Read Date must be fewer than 3 Business Days before the Registration Start Date.
GO	Exceeds limits of future-dated transaction.
GP	MID specified does not have a future Effective From Date
GQ	Original MID does not relate to this SPID.
GR	Original MID specified was submitted by a different Trading Party.

GS	Effective From Date must be on or after 1/1/1980
GT	No Longer Used.
GU	No Longer Used.
GV	SPID must not be New, Partial or REJ.
GW	SPID must be New, Partial or REJ.
GX	SS SPID must be connected via the WS SPID as the WS SPID is New, Partial or REJ.
GY	WS SPID must be (potentially) chargeable on given connection date.
GZ	SS SPID must be (potentially) chargeable on given date.
HA	Meter Read date must be greater than or equal to 2007-04-01.
HB	SPID has never been declared Unmeasurable or there are no Unmeasurable Service Elements active on or after the Effective From date.
HC	Meter cannot be swapped with itself.
HD	Meter Number of Digits cannot be changed.
HE	Meter Read digit count must be the same as the Meter digit count.
HF	SPID must only be either Tradable or PPDISC from the Effective From Date.
HG	No longer used.
HH	Submitted SPID Status must be REC, PDISC, or DEREK.
HI	No longer used.
HJ	SPID Status must be TTRAN.
HK	Return To Sewer Allowance must be zero for a Meter Treatment of Private Effluent or Tankered Effluent.
HL	Chargeable Meter Size must be zero for Meters with a Meter Treatment of; Private Water, Private Effluent, or Tankered Effluent.
HM	Meter Treatment must be the same for the Old and the New Meters.
HN	Return to Sewerage Allowance cannot be zero for Meters with Meter Treatment of SWWater, Private Water, or Logical Water that are associated to a DPID on the Effective From date.
HO	WS SPID must be associated with a Market Meter.
HP	SPID must be a SS SPID and must have an associated WS SPID.
HQ	WS SPID Transfer Meter Reads can only be sent by the Incoming LP.
HR	Sender must be the current LP.
HS	SS SPID of the DPID must be associated with the WS SPID of the Meter.
HT	MDVol value on the given Effective Date has already been set for the DPID-Meter Association.
HU	Return to Sewer should be greater than zero continuously from the Effective From Date.
HV	DPID has active meter associations.
HW	Sewerage Chargeable Meter Size must be zero for Private Effluent Meters and Tankered Effluent Meters.
HX	Org ID does not exist in CMA CS.
HY	Meter Treatment of the Subtraction Meter must be the same as that of the Main Meter.
HZ	Meter Read rejected; the LP for the associated WS SPID should provide the Transfer read.
IA	Org ID must be a valid LP.
IB	No longer used.
IC	Meter Network; The Sub SPID should not be the same as the Main SPID.
ID	SPID Status must not be TTRAN.
IE	MID Already Exists in the CMA CS.
IF	Meter is not associated to the provided SPID.
IG	Meter should have a Meter Treatment of SW Water or Private Water.
IH	Meter should have at least one meter reading.
II	Meter Network, Sub Meter is market meter but the Sub SPID Is not provided OR the Sub Meter is a non-market meter yet a Sub SPID is provided.
IJ	Meter Network Association is already active for the requested period.

IK	Meter Network Association is already inactive for the requested period.
IL	Meter Network; Sub Meter can only be actively associated to one Main Meter at any given time.
IM	Meter Network Association does not exist between the Main Meter and the Sub Meter.
IN	Meter Network Activation date should be prior to the earlier of the Main & Sub End Dates.
IO	Meter Network Activation date should be after the later of the Main & Sub Start Dates.
IP	Meter is part of a Meter Network that is active at a date on or after the Final Read Date.
IQ	WS SPID or Associated SS SPID has more than one Unmeasurable on a given day on or after the Effective From Date.
IR	Metered period must not overlap with an Unmeasured period.
IS	SPID has been allocated via the Gap Site allocation process and cannot be rejected.
IT	Meter Estimated Read Reason Code must be provided.
IU	Meter Estimated Read Remedial Work Indicator must be provided and set to True.
IV	Percentage Exemption should only be provided if the Customer Exemption Flag is provided and is set to True.
IW	Percent Exemption value must be 50% or 100%. .
IX	Sender Org ID does not exist in CMA CS.
IY	No longer used.
IZ	Effective From Date must not pre-date a previous change on an Associated SPID.
JA	Meter IDs and DPIDs cannot include control characters.
JB	Meter Estimated Read Reason Code and Estimated Read Remedial Work Indicator must only be provided for Estimated Transfer reads.
JC	SPID SAA Ref, SAA Class, SAA Core Description must be provided when SAA Ref Absence Code is not specified or must not be provided when specifying an Absence Code.
JD	SPID UPRN or the UPRN Absence Code must be provided.
JE	SPID SAA Ref and/or UPRN already exists in the CS against a SPID that is New, Partial, Tradable, TDISC, or Rejected.
JF	SPID SAA Ref and/or UPRN should match the existing value in the CMA CS .
JG	SPID SAA Ref is duplicated in SAA data - more information required.
JH	SPID SAA Ref and UPRN data must be provided.
JW	I and F reads for Pseudo Meters must be zero.
KO	The SPID is currently Deregistered and so it cannot be Disconnected.
KP	The SPID is currently Disconnected and so it cannot be Deregistered.
KQ	Rateable Values must be whole numbers or allowed default values.
KR	Meter must be Pending for the read to be accepted
KS	Meter must be Active for the read to be accepted
KT	Connection Type must not be TTE
KU	No longer used.
KV	No longer used.
KW	MT SPIDs must not be PDISC.
KX	MT SPIDs must not be DEREG.
KY	For Future Use.
KZ	No longer used.
LA	No longer used.
MB	SA Indicator must be provided if Surface Area is specified.
MC	For Future Use.
MD	Meter must not be part of a Meter Network.
ME	SW must obtain the agreement of the relevant LP.
MF	Effective From Date must be after O Read Date.
MG	Effective From Date must be prior to E or F Read Date.
MH	Effective From Date must be after TTRAN or PDISC period.
MI	SA Indicator must be NA or not specified if Property Drainage is False.

MJ	Surface Area must not be specified if Property Drainage is False.
MK	Surface Area must be provided and greater than zero if SA Indicator is SA.
ML	SA Indicator must be SA, RV or left empty if Property Drainage is True.
MM	For Future Use.
MO	Surface Area must not be provided if SA Indicator is RV.
MR	SPID Status must be DEREG or PDISC.
MS	Meter Read must not create a negative meter advance.
NF	Meter Read frequency must be B or M
NP	Effective From Date must be before the SPID DEREG or PDISC date.
NQ	DPID must exist prior to any discontinuation.
XA	Licensed Provider rejects registration for a new SPID.
XB	Cancelled due to subsequent future-dated transaction
XC	SPID subsequently deregistered or permanently disconnected.
XD	Cancelled before Effective From Date

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 List of Data Transactions

Name	Transaction
Request New SPID	T001.0
Notify New SPID (LP)	T002.0
Notify New SPID (SW)	T002.1
Partial Registration Application	T003.0
Registration Application	T003.1
Request New Meter	T004.0
Notify Meter Details	T004.1
Submit Meter YVE Details	T004.2
Request Pseudo Meter	T004.3
Submit Meter Read (SW)	T005.0
Submit Meter Read (LP)	T005.1
Notify Meter Read (LP)	T005.2
Notify Meter Read (SW)	T005.3
Submit WS SPID Data	T006.0
Submit SS SPID Data	T006.1
Submit WS SPID Service Elements	T006.2
Submit SS SPID Service Elements	T006.3
Notify WS SPID Service Elements	T006.4
Notify SS SPID Service Elements	T006.5
Submit Live Rateable Value	T006.6
Notify Live Rateable Value	T006.7
Notify SPID Data	T006.8
Submit Connection Complete (WS)	T007.0
Submit Connection Complete (SS)	T007.1
Notify Connection Complete	T007.2
Notify RSD (Outgoing LP)	T008.0
Notify RSD (Incoming LP)	T008.1
Notify RSD (SW)	T008.2
Notify Error/Acceptance (LP)	T009.0
Notify Error/Acceptance (SW)	T009.1
Reject new SPID	T009.2
Notify Duplicate MID Rejection	T009.4
Notify Cancellation of Future-dated Transaction	T009.5
Submit Cancellation of Future-dated Transaction	T009.6
Cancel Registration (Incoming)	T010.0
Cancel Registration (Outgoing)	T010.1
Notify Cancellation (Incoming)	T011.0
Notify Cancellation (Outgoing)	T011.1
Submit SPID Data	T012.0
Submit WS SPID Chargeable Data	T012.1
Notify Vacancy Update	T012.2
Submit Sewerage Service Elements	T012.3
Notify Sewerage Service Elements	T012.4
Submit SAA Reference Number/UPRN	T012.5
Notify SAA Reference Number/UPRN	T012.6
Update Live Rateable Value	T012.7
Notify Live Rateable Value	T012.8

Name	Transaction
Notify SPID Data	T012.9
Submit SPID Variable Data	T012.10
Notify SPID Variable Data	T012.11
Submit Meter Data	T013.0
Notify Meter Data	T013.1
Submit Meter Location	T013.2
Notify Meter Location	T013.3
Submit Meter Chargeable Data	T014.0
Notify Meter Chargeable Data	T014.1
Submit SPID Status	T015.0
Notify SPID Status	T015.1
Submit Backdated SPID Status	T015.2
Notify Back-dated SPID Status	T015.3
Update SPID Unmeasurable Status	T016.0
Notify SPID Unmeasurable Status	T016.1
Submit Meter Swap	T017.0
Notify Meter Swap	T017.1
Notify WS SPID Data	T019.0
Notify SS SPID Data	T020.0
Create New DPID	T021.0
Notify DPID	T021.1
Update TE Operating Data	T022.0
Notify TE Operating Data	T022.1
Update Meter Association	T023.0
Notify Meter Association	T023.1
Submit Meter Dissociation	T024.0
Notify Meter Dissociation	T024.1
Discontinue DPID	T026.0
Discontinue DPID Notification	T026.1
Update DPID details	T027.0
Notify DPID details	T027.1
Notify TE Schedule 3	T028.0
Update TE Schedule 3	T028.1
Notify SPID Special Arrangements	T029.0
Submit SPID Special Arrangements	T029.1
No Longer Used.	T029.2
Update Premises Special Arrangements	T029.3
Notify Premises Special Arrangements	T029.4
Notify DP Meter Reads	T030.0
Notify DP Meter Reads	T030.1
No Longer Used.	T031.0
Submit Customer Name	T032.0
Notify Customer Name	T032.1
Notify Customer Name	T032.2
Submit Metered Building Water	T033.0
Notify Metered Building Water	T033.1
No Longer Used.	T034.0
No Longer Used.	T034.1
No Longer Used.	T034.2
No Longer Used.	T034.3
No Longer Used.	T034.4

Name	Transaction
No Longer Used.	T034.5
Notify Tradability	T035.0
Notify Tradability	T035.1
Create / Update Meter Networks	T036.0
Notify Meter Network Association	T036.1
Notify Meter Network Deleted	T036.2

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
D2043	LP Connection Reference	OP
D2002	Service Category (SPID tag)	RQ
D2001	SPID (see note below)	OP
D2023	New Connection Type	RQ
D2037	SAA Reference Number	OP
D2052	SAA Class	OP
D2053	SAA Core Description	OP
D2038	SAA Reference Number Absence Code	OP
D2039	UPRN	OP
D2040	UPRN Absence Code	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	Used by SW to request new SPID at creation of a new Supply Point or New Connection. D4001 Organisation ID is not required where D2023 New Connection Type is for a Gap Site. Otherwise D4001 must be populated. For each service category at a premises, the transaction shall be repeated with the same SW Connection Reference and LP Connection Reference, if provided, to ensure that SPIDs created are identified as related. If one SPID already exists and another service is being added to create a pair for the premises, the SPID field must be completed to ensure that the SPIDs are related via the Core number	

Transaction Number	T002.0	
Transaction Name	Notify New SPID (LP)	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	RQ
D2009	SW Connection Reference	RQ
D2043	LP Connection Reference	OP
D2023	New Connection Type	RQ
D2034	Allocation Method	RQ
D2037	SAA Reference Number	OP
D2052	SAA Class	OP
D2053	SAA Core Description	OP
D2038	SAA Reference Number Absence Code	OP
D2039	UPRN	OP
D2040	UPRN Absence Code	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 (SW)	
From	CMA	
To	SW	
DI #	Name	FLAG
D2001	SPID	RQ
D2009	SW Connection Reference	RQ
D2043	LP Connection Reference	OP
D2034	Allocation Method	RQ
D4001	OrgID	RQ
D2037	SAA Reference Number	OP
D2052	SAA Class	OP
D2053	SAA Core Description	OP
D2038	SAA Reference Number Absence Code	OP
D2039	UPRN	OP

D2040	UPRN Absence Code	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
D4019	Transfer Reason Code	RQ
D4003	Text Comment Field	OP
D2049	Prospective Customer	OP
D2050	Prospective Customer Occupancy Date	OP
Description	Request by the LP for Registration of the nominated SPID for the Transfer Registration process. The D4003 should be completed if the D4019 has a value of CR or RR. The D2049 and D2050 should be provided, if the D4019 has a value of NC.	

Transaction Number	T004.0	
Transaction Name	Request New Meter	
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
D3038	Meter Remote Capability	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	Meter details submitted by SW following a new meter installation. 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.	

	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 D3022, all meter treatments are valid, except for PseudoWater	
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Transaction Number	T004.1	
Transaction Name	Notify Meter Details	
From	CMA	
To	LP/SW	
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
D3025	Meter Location Code	OP
D3038	Meter Remote Capability	RQ
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	Notification to the LP of the meter details sent in T004.0 or at Transfer to LP(i) or to SW for TTRAN SPIDs. 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.	
	Where an LP submitted YVe is in effect for this meter then it will be included in this transaction.	

Transaction Number	T004.2	
Transaction Name	Submit Meter YVE Details	
From	LP/SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID	RQ
D2010	YVe	RQ
Description	Meter details submitted by LP (or by SW for TTRAN SPIDs or Non-Market Meters) following meter installation or other data updates. The SPID is not required where the T004.2 transaction is submitted by Scottish Water for a Non-Market Meter. It is required for all Market Meters.	

Transaction Number	T004.3	
Transaction Name	Request Pseudo Meter	
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	Virtual Meter information notified to support Re-assessed Charges (see CSD0104 for further details): • 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	Submit Meter Read (SW)	
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
D3044	Meter Read Method	RQ
D3012	Re-Read	OP
D3020	Rollover Indicator	OP
Description	A Meter Read submission from SW D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction. Where the D3001 pertains to Private Effluent or Tankered Effluent Meter Type, the D3001 SPID should be the Sewerage SPID. Note - cannot use End or Opening Read as these are supplied as part of T017.0 Meter Swap	

Transaction Number	T005.1	
Transaction Name	Submit Meter Read (LP)	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D3001	Meter ID	RQ
D3008	Meter Read	RQ
D3009	Meter Read Date	RQ
D3010	Meter Read Type	RQ
D3044	Meter Read Method	RQ
D3028	Estimated Read Reason Code	OP
D3029	Estimated Read Remedial Work Indicator	OP
D3012	Re-Read	OP
D3020	Rollover Indicator	OP
Description	A meter read submission from a LP	

	If the D3010 is S, the D3028 and D3029 must be provided. If the D3028 is PLR, the D3029 must be False, otherwise the D3029 must be True. Where the D3001 pertains to Private Effluent or Tankered Effluent Meter Type, the D3001 SPID should be the Sewerage SPID.	
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Transaction Number	T005.2	
Transaction Name	Notify Meter Read (LP)	
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
D3044	Meter Read Method	RQ
D3028	Estimated Read Reason Code	OP
D3029	Estimated Read Remedial Work Indicator	OP
D3012	Re-Read	OP
D3021	Rollover Flag	RQ
Description	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. 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	T005.3	
Transaction Name	Notify Meter Read (SW)	
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
D3044	Meter Read Method	RQ
D3028	Estimated Read Reason Code	OP
D3029	Estimated Read Remedial Work Indicator	OP

D3012	Re-Read	OP
D3021	Rollover Flag	RQ
Description	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. 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	T006.0	
Transaction Name	Submit WS SPID Data	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2005	Customer Classification	OP
D2008	SIC Code	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	Submit SS SPID Data	
From	LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2005	Customer Classification	OP
D2008	SIC Code	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	Submit 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.	
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Transaction Number	T006.3	
Transaction Name	Submit SS SPID Service Elements	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2016	Property Drainage	RQ
D2048	SA Indicator	OP
D2012	Surface Area	OP
D2017	Roads Drainage	RQ
D2045	MT SPID	OP
D2046	MT SPID Flag	OP
Description	SPID data related to a SS Supply Point, sent by SW for a new SS Supply Point. If the D2048 is SA, a non-zero value for the D2012 must also be provided.	

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
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
D2048	SA Indicator	OP
D2012	Surface Area	OP
D2017	Road Drainage	RQ
D2045	MT SPID	OP
D2046	MT SPID Flag	OP
Description	Notification to the LP of SPID data related to a SS Supply Point	

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

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

Transaction Number	T006.8	
Transaction Name	Notify SPID Data	
From	CMA	
To	SW	
DI #	Name	FLAG
D2001	SPID	RQ
D2005	Customer Classification	OP
D2008	SIC Code	OP
Description	Notify SW of the data received in T006.0 or T006.1	

Transaction Number	T007.0	
Transaction Name	Submit 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	Submit Connection Complete (SS)	
From	SW	
To	CMA	
DI #	Name	FLAG

D2001	SPID	RQ
D2013	Connection Date	RQ
Description	Confirmation by the SW that a SS Supply Point is connected. This transaction is only required for SS Supply Points with no associated WS Supply Point or where the WS Supply Point is already tradable.	

Transaction Number	T007.2	
Transaction Name	Notify Connection Complete	
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 or SS Supply Point connection	

Transaction Number	T008.0	
Transaction Name	Notify RSD (Outgoing LP)	
From	CMA	
To	LP(o)	
DI #	Name	FLAG
D2001	SPID	RQ
D4001	Organisation ID	RQ
D4002	Registration Start Date	RQ
D4019	Transfer Reason Code	RQ
D2049	Prospective Customer	OP
D2050	Prospective Customer Occupancy Date	OP
D4003	Text Comment Field	OP
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. The D4001 Organisation ID will be the Incoming LP	

Transaction Number	T008.1	
Transaction Name	Notify RSD (Incoming LP)	
From	CMA	
To	LP(i)	
DI #	Name	FLAG
D2001	SPID	RQ
D4019	Transfer Reason Code	RQ
D2049	Prospective Customer	OP

D2050	Prospective Customer Occupancy Date	OP
D4003	Text Comment Field	OP
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 (SW)	
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	Notify Error/Acceptance (LP)	
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	Notify Error/Acceptance (SW)	
From	CMA	
To	SW	
DI #	Name	FLAG
D2001	SPID	OP
D4004	Error/Return Code	RQ
D1008	Data Item Reference	OP
Description	This transaction notifies the sending party of receipt of a transaction.	

	The Error/Return Code [D4004] indicates whether processing of the transaction received has been successful. Where it is not successful an error code may be paired with a Data Item Reference [D1008] identifying the data that caused the error	
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Transaction Number	T009.2	
Transaction Name	Reject New SPID	
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 Not Used	
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Transaction Number	T009.4	
Transaction Name	Notify Duplicate MID Rejection	
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	T009.5	
Transaction Name	Notify Cancellation of Future-Dated Transaction	
From	CMA	
To	SW/LP	
DI #	Name	FLAG
D2001	SPID	OP
D1002	Message ID	RQ
D4004	Error/Return Code	RQ
Description	This transaction notifies Scottish Water (if appropriate) and the relevant LP(s) that an earlier future-dated transaction has been cancelled. The Message ID included is that from the transaction that notified the recipient of the original transaction that has now been cancelled.	

Transaction Number	T009.6	
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Transaction Name	Submit Cancellation of Future-dated Transaction	
From	SW/LP	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
D1002	Message ID	RQ
Description	This transaction is used by Scottish Water or an LP to cancel a future-dated transaction that has been made in error. The Message ID included is that from the transaction to be cancelled.	

Transaction Number	T010.0	
Transaction Name	Cancel Registration (Incoming)	
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	Cancel Registration (Outgoing)	
From	LP(o)	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D4003	Text Comment Field	RQ
D4005	Cancellation Code	RQ
D2051	Customer Contact Identifier	RQ
Description	Request to cancel a registration by the Outgoing LP	

Transaction Number	T011.0	
Transaction Name	Notify Cancellation (Incoming)	
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 Cancellation (Outgoing)	
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	Submit SPID Data	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2043	LP Connection Reference	OP
D4003	Text Comment Field	RQ
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 address related SPID data by SW.	

Transaction Number	T012.1	
Transaction Name	Submit WS SPID Chargeable Data	
From	LP/SW	
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
D4003	Text Comment Field	RQ
Description	Request to update of specific SPID data by an LP or by SW for TTRAN SPIDs. This transaction may be used for both WS or SS SPIDs	

Transaction Number	T012.2	
Transaction Name	Notify Vacancy Update	
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	Submit Sewerage Service Elements	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D4006	Effective From	RQ
D2016	Property Drainage	OP
D2048	SA Indicator	OP
D2012	Surface Area	OP
D2017	Road Drainage	OP
D2045	MT SPID	OP
D2046	MT SPID Flag	OP
D4003	Text Comment Field	OP
Description	Request to update sewerage service data by SW. The D4006 must always be provided, even for transactions that only update the D2045 and / or D2046 data items. If the D2048 is SA, a non-zero value for the D2012 must also be provided.	

Transaction Number	T012.4	
Transaction Name	Notify Sewerage Service Elements	
From	CMA	
To	LP/SW	
DI #	Name	FLAG
D2001	SPID	RQ
D4006	Effective From	RQ
D2016	Property Drainage	OP
D2048	SA Indicator	OP
D2012	Surface Area	OP
D2017	Road Drainage	OP
D2045	MT SPID	OP

D2046	MT SPID Flag	OP
D4003	Text Comment Field	OP
Description	Notifies update to sewerage service data. Only provided to SW for TTRAN SPIDs.	

Transaction Number	T012.5	
Transaction Name	Submit SAA Reference Number/UPRN	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2037	SAA Reference Number	OP
D2052	SAA Class	OP
D2053	SAA Core Description	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	
From	CMA	
To	LP/SW	
DI #	Name	FLAG
D2001	SPID	RQ
D2037	SAA Reference Number	OP
D2052	SAA Class	OP
D2053	SAA Core Description	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 (or SW for TTRAN SPIDs) following an update of the Scottish Assessors Association reference or UPRN published by One Scotland Gazetteer	

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

Transaction Number	T012.8	
Transaction Name	Notify Live Rateable Value	

From	CMA	
To	LP/SW	
DI #	Name	FLAG
D2001	SPID	RQ
D2042	Live Rateable Value	RQ
D4006	Effective From	RQ
Description	Notification of an update of Live Rateable Value and/or RV Transition Flag to an LP or SW for TTRAN SPIDs. This transaction may be used for both WS and SS SPIDs	

Transaction Number	T012.9	
Transaction Name	Notify SPID Data	
From	CMA	
To	LP/SW	
DI #	Name	FLAG
D2001	SPID	RQ
D2043	LP Connection Reference	OP
D4003	Text Comment Field	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	Notifies the LP (or SW for a TTRAN SPID) of the update of address related SPID data by SW.	

Transaction Number	T012.10	
Transaction Name	Submit SPID Variable Data	
From	LP/SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D4006	Effective From	RQ
D2005	Customer Classification	OP
D2008	SIC Code	OP
D2015	SPID Vacant	OP
D4003	Text Comment Field	OP
Description	Request to update of specific SPID data by an LP or by SW for TTRAN SPIDs.	

Transaction Number	T012.11	
Transaction Name	Notify SPID Variable Data	
From	CMA	
To	SW	
DI #	Name	FLAG
D2001	SPID	RQ
D4006	Effective From	OP
D2005	Customer Classification	OP
D2008	SIC Code	OP
Description	Notifies SW of the update of variable SPID data by the LP, or by SW for TTRAN SPIDs.	

Transaction Number	T013.0	
Transaction Name	Submit Meter Data	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
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
D3038	Meter Remote Capability	OP
D3025	Meter Location Code	OP
D4003	Text Comment Field	OP
D5001	Free Descriptor	OP
D5002	Sub Building Name	OP
D5003	Building Name	OP
D5004	Building Number	OP
D5005	Dependent Thoroughfare Name	OP
D5006	Dependent Thoroughfare Descriptor	OP
D5007	Thoroughfare Name	OP
D5008	Thoroughfare Descriptor	OP
D5009	Double Dependent Locality	OP
D5010	Dependent Locality	OP
D5011	Post Town	OP
D5012	County	OP
D5013	Postcode	OP

Description	Update of (non-chargeable) meter details by SW D2001 SPID in this transaction is not required where the meter is a Sub-meter in a meter network and is not directly associated to a SPID. Where a meter is a main meter in a meter network it must be associated to a SPID for Settlement purposes and in such case the SPID is required in this transaction.	
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Transaction Number	T013.1	
Transaction Name	Notify Meter Data	
From	CMA	
To	LP/SW	
DI #	Name	FLAG
D2001	SPID	OP
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
D3038	Meter Remote Capability	OP
D3025	Meter Location Code	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 or to SW for TTRAN SPIDs. 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	Submit Meter Location	
From	LP/SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	OP
D3001	Meter ID	RQ
D3019	GIS Z Free Descriptor	OP
Description	Update of meter location details by LP (for market meters) or SW (for non-market meters). 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
Description	Notification of T013.2 to 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	T014.0	
Transaction Name	Submit Meter Chargeable Data	
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	
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Transaction Number	T014.1	
Transaction Name	Notify Meter Chargeable Data	
From	CMA	
To	LP/SW	
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 or SW for TTRAN SPIDs of T014.0	

Transaction Number	T015.0	
Transaction Name	Submit SPID Status	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2025	SPID Status	RQ
D4001	Org ID	OP
D4006	Effective From	RQ
Description	A declaration that the Supply Point has been Temporarily Transferred, Pending Permanent Disconnection, Disconnected, Reconnected or Deregistered. If the D2025 is changed from TTRAN to REC, a D4001 may be provided. Otherwise no D4001 should be provided.	

Transaction Number	T015.1	
Transaction Name	Notify SPID Status	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	RQ
D2025	SPID Status	RQ
D4001	Org ID	OP
D4006	Effective From	RQ
Description	A notification that the Supply Point has been Temporarily Transferred, Pending Permanent Disconnection, Disconnected, Reconnected or Deregistered	

Transaction Number	T015.2	
Transaction Name	Submit Backdated SPID Status	

From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D2025	SPID Status	RQ
D3001	Meter ID	RQ
D3008	Meter Read	RQ
D3044	Meter Read Method	RQ
D3020	Rollover Indicator	OP
D2047	LP Rejection Indicator	RQ
D4006	Effective From	RQ
Description	A Dereg/PDISC that involves the de-activation of a meter.	

Transaction Number	T015.3	
Transaction Name	Notify Back-dated SPID Status	
From	CMA	
To	LP/SW	
DI #	Name	FLAG
D2001	SPID	RQ
D2025	SPID Status	RQ
D3001	Meter ID	RQ
D3021	Rollover Flag	RQ
D3008	Meter Read	RQ
D3044	Meter Read Method	RQ
D2047	LP Rejection Indicator	RQ
D4006	Effective From	RQ
Description	A back-dated Dereg/PDISC, with meter de-activation.	

Transaction Number	T016.0	
Transaction Name	Update 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	Submit Meter Swap	
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
D3044	Meter Read Method (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
D3044	Meter Read Method (NEW METER)	RQ
Description	Sent by SW on Meter Change to swap the meters recorded against a SPID. Where a new meter is installed the CMA must first be notified of the addition of a meter to the market through T004.0 (Request New Meter) as otherwise the new meter will not be recognised in this transaction. D3010 Meter Read Type for the [Old Meter] must be "E" and for [New Meter] must be "O". Where the D3001 pertains to Private Effluent or Tankered Effluent Meter Type, the D3001 SPID should be the Sewerage SPID.	

Transaction Number	T017.1	
Transaction Name	Notify Meter Swap	
From	CMA	
To	LP/SW	
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
D3044	Meter Read Method (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
D3044	Meter Read Method (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. Where the T017.1 concerns a non-Market Meter it shall be issued to the LP(s) with the Main Meter where the non-Market Meter is a Sub Meter.	

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
D2042	Live Rateable Value	RQ
D2018	Troughs & Drinking Bowls	RQ
D2020	Outside Taps	RQ
D2014	Farm/Croft	RQ
D2024	Unmeasurable	RQ
D2015	SPID Vacant	RQ
D2037	SAA Reference Number	OP
D2052	SAA Class	OP
D2053	SAA Core Description	OP
D2038	SAA Reference Number Absence Code	OP
D2039	UPRN	OP
D2040	UPRN Absence Code	OP
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
D2042	Live Rateable Value	RQ
D2048	SA Indicator	RQ
D2012	Surface Area	RQ
D2016	Property Drainage	RQ
D2017	Road Drainage	RQ
D2024	Unmeasurable	RQ
D2015	SPID Vacant	RQ
D2037	SAA Reference Number	OP
D2052	SAA Class	OP
D2053	SAA Core Description	OP
D2038	SAA Reference Number Absence Code	OP
D2039	UPRN	OP
D2040	UPRN Absence Code	OP
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	Create New 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
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
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	Submit Meter Dissociation	
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 Dissociation	

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	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 Notification	
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
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	Notify 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
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	
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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	Update 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	Update 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
D2006	29e	OP
Description	Notification of special arrangements in effect at a SPID.	

Transaction Number	T029.1	
Transaction Name	Submit SPID Special Arrangements	
From	SW	
To	CMA	
DI #	Name	FLAG
D2001	SPID	RQ
D4006	Effective From	RQ

D2003	Schedule 3	OP
D2006	29e	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
D2041	Pcent Allowance	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	Meter Read	RQ
D3009	Meter Read Date	RQ
D3010	Meter Read Type	RQ
D3044	Meter Read Method	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	
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Transaction Name	Notify DP Meter Reads	
From	CMA	
To	LP	
DI #	Name	FLAG
D2001	SPID	OP
D6001	DPID	RQ
D3001	Meter ID	RQ
D3008	Meter Read	RQ
D3009	Meter Read Date	RQ
D3010	Meter Read Type	RQ
D3044	Meter Read Method	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 [NO LONGER USED]	
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Transaction Number	T032.0	
Transaction Name	Submit 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	Notify Customer Name	
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	Notify Customer Name	
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	Submit 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 No Longer Used October 2019	
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Transaction Number	T034.1 No Longer Used October 2019	
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Transaction Number	T034.2 No Longer Used October 2019	
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Transaction Number	T034.3 No Longer Used October 2019	
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Transaction Number	T034.4 No Longer Used October 2019	
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Transaction Number	T034.5 No Longer Used October 2019	
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Transaction Number	T035.0	
Transaction Name	Notify Tradeability	
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 Tradability notification sent to the respective LP after a Supply Point passes the Tradability test and has now status = Tradable	

Transaction Number	T035.1	
Transaction Name	Notify Tradability	
From	CMA	
To	SW	
DI #	Name	FLAG
D2001	SPID	RQ
D2013	Connection Date	RQ
Description	The Tradability notification sent to the Wholesaler after a Supply Point passes the Tradability test and has now status = Tradable	

Transaction Number	T036.0	
Transaction Name	Create / Update Meter Networks	
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	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 Association	
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	RQ
Description	Notification to an LP of the creation or update to a Meter Network association	

Transaction Number	T036.2	
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Transaction Name	Notify Meter Network Deleted	
From	CMA	
To	SW; 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
Description	Notification to Scottish Water and an LP that, as a result of T036.0 transaction, there is now no 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:

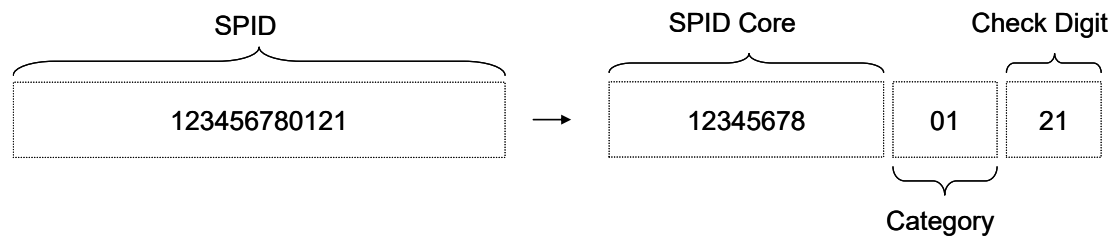


Figure 1 - SPID

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.