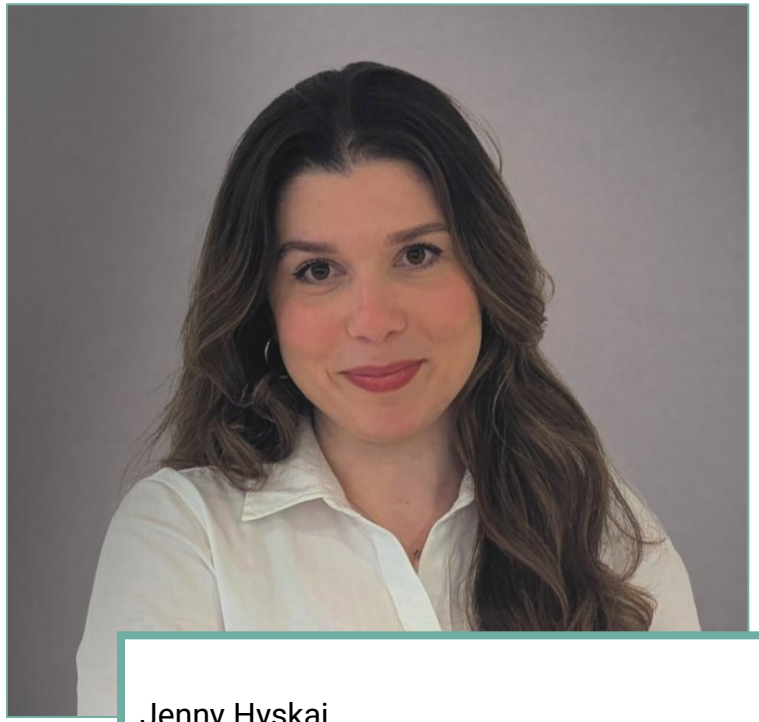
RETAIL ENERGY CODE

DATA SPECIFICATION RECAP SESSION

09 JUNE 2026

INTRODUCING YOUR PRESENTERS

RETAIL ENERGY CODE



Jenny Hyskaj

REC Code Manager

Communications and Events Consultant



Maitri Perera

REC Code Manager

Technical Design Authority

HOUSEKEEPING

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AGENDA FOR TODAY

RETAIL ENERGY CODE

AGENDA ITEM
An Introduction to the REC Data Specification
Guided Tour
How to make Changes to the Data Specification
Q&A

RETAIL ENERGY CODE

AN INTRODUCTION TO THE REC DATA SPECIFICATION

DATA SPECIFICATION CATALOGUE

RETAIL ENERGY CODE

What is the Energy Market Data Specification Catalogue?

The Energy Market Data Specification Catalogue describes the **Data Items** and **Market Messages** that is used by industry parties **to send and receive information**. It includes REC owned items and also messages and data items which are owned and governed by different bodies.

How to access it

ACCESS	Microsoft Access DB
SQL	BACPAC format
HTML	Browseable in any browser
PORTAL	Live dashboards on the REC Portal

Data Specification Documents

DTC Data Specification - Access Format (SIT Regression Support) 2025-05-08
Download

Full REC Data Specification - BACPAC Format (v3.17.0)
Download

Full REC Data Specification - HTML Format (v3.17.0)
Download

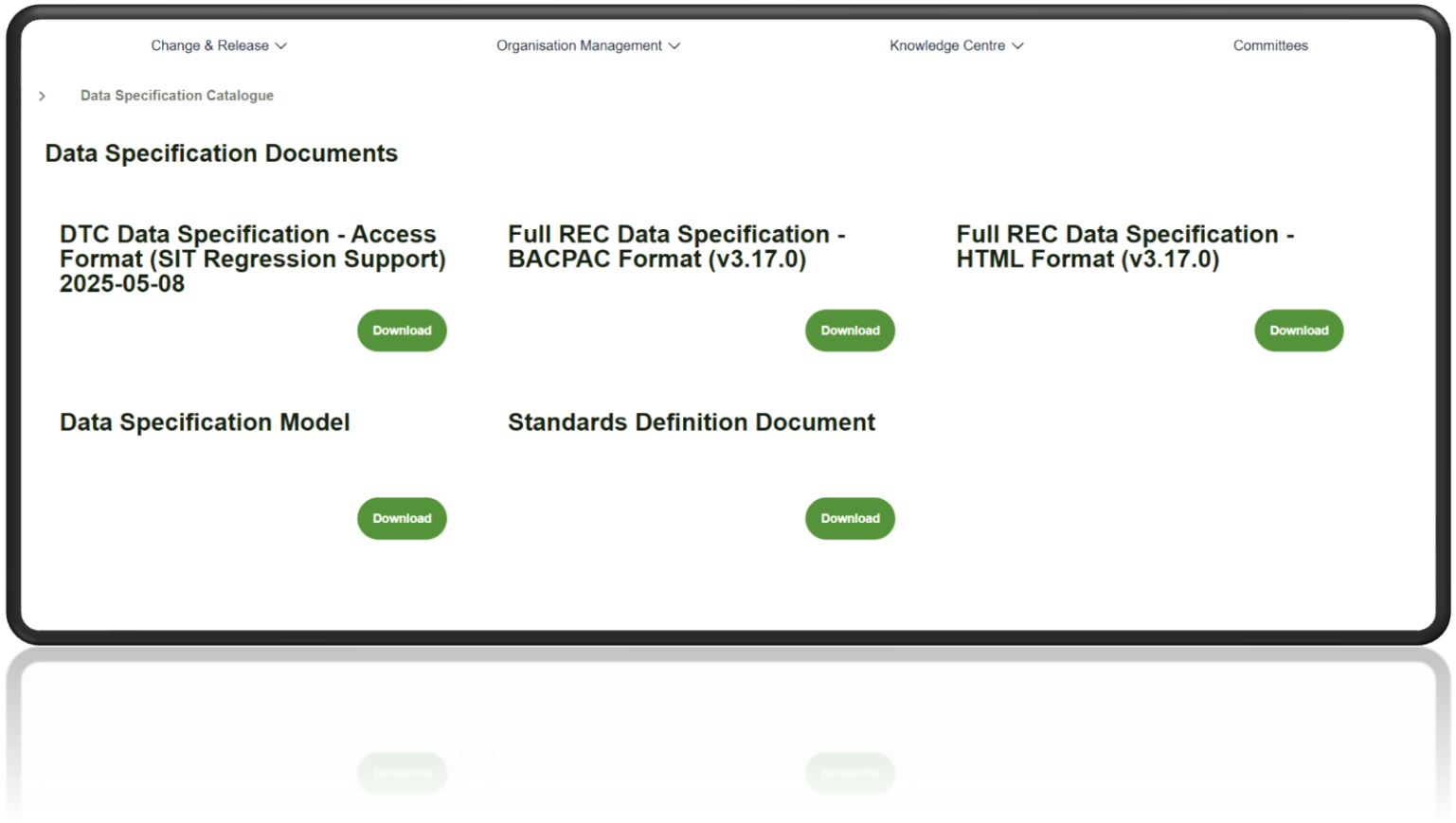
Data Specification Model
Download

Standards Definition Document
Download

The Energy Market Data Specification

- Balancing and Settlement Code (BSC)
- Distribution, Connection and Use of System Agreement (DCUSA)
- Uniform Network Code (UNC)
- Smart Energy Code (SEC)
- REC

DATA SPECIFICATION - DASHBOARDS



If the artefact doesn't download automatically, it will open in the **same browser window.**

To return to the dashboard, **just click your browser's back button.**
If you're working with multiple items, we recommend this:

Right-click the link (or use the right finger tab on your laptop or mouse) and choose

"Open link in new window".
This makes it easier to manage several artefacts at once.

REC DATA SPECIFICATION – ACCESS

RETAIL ENERGY CODE

Accessing the REC Data Specification - REC Portal

1 Open the portal

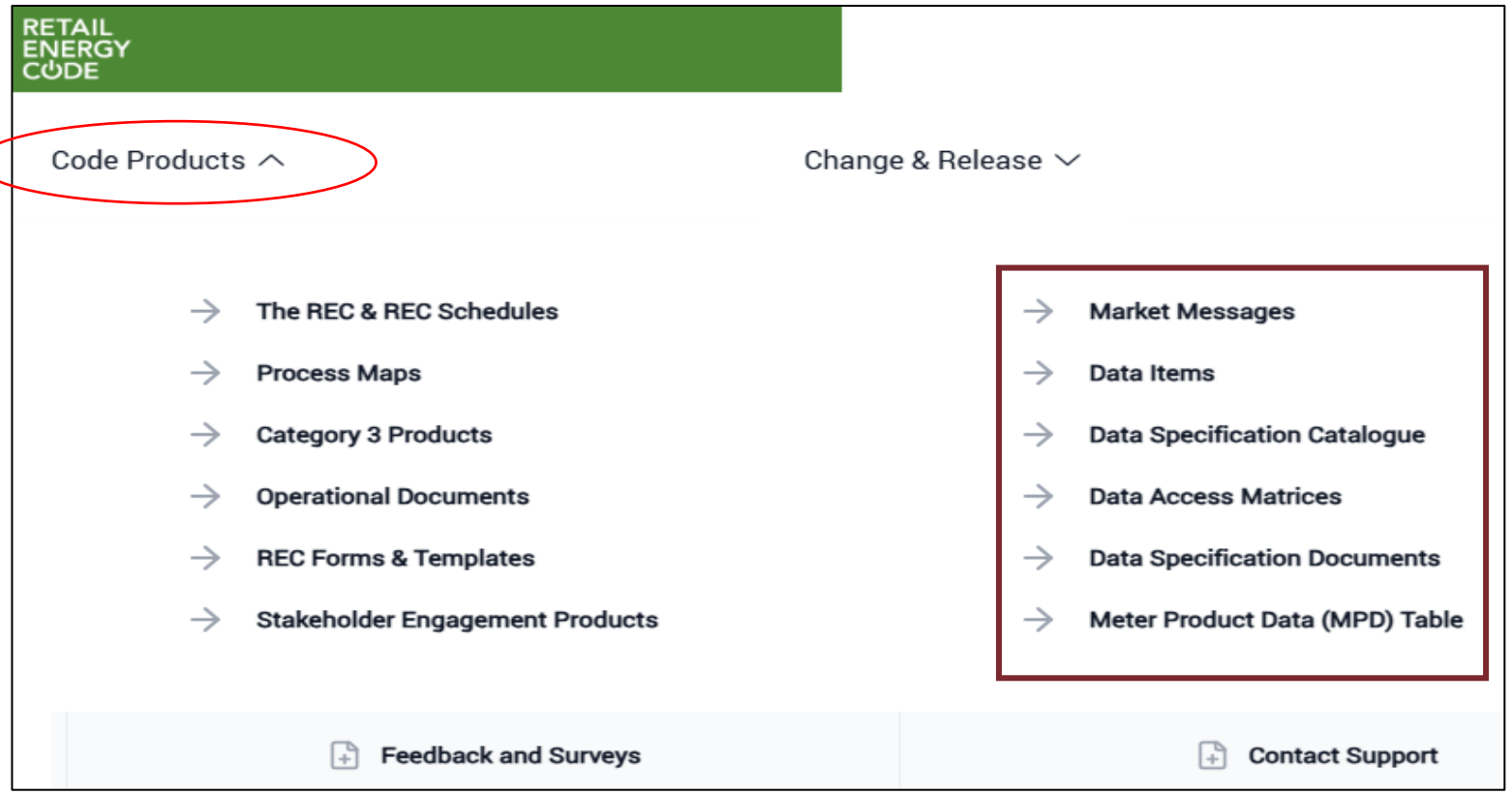
Use the link shared in the chat (or your bookmarks).

2 Click 'Code Products'

It's the tab at the top of the navigation.

3 Select from the list

You can select from The Data Specification dashboards and catalogues, alongside associate documents



Market Messages:
A dashboard of all the market messages

Data Items:
A dashboard with all the data items

Data Specification Catalogue(s)
Define market messages and data items

Data Access Matrices
Define which organisations can access which data types within the Enquiry Services

Data Specification Documents
Contains multiple documents which outline rules and information related to the data specification

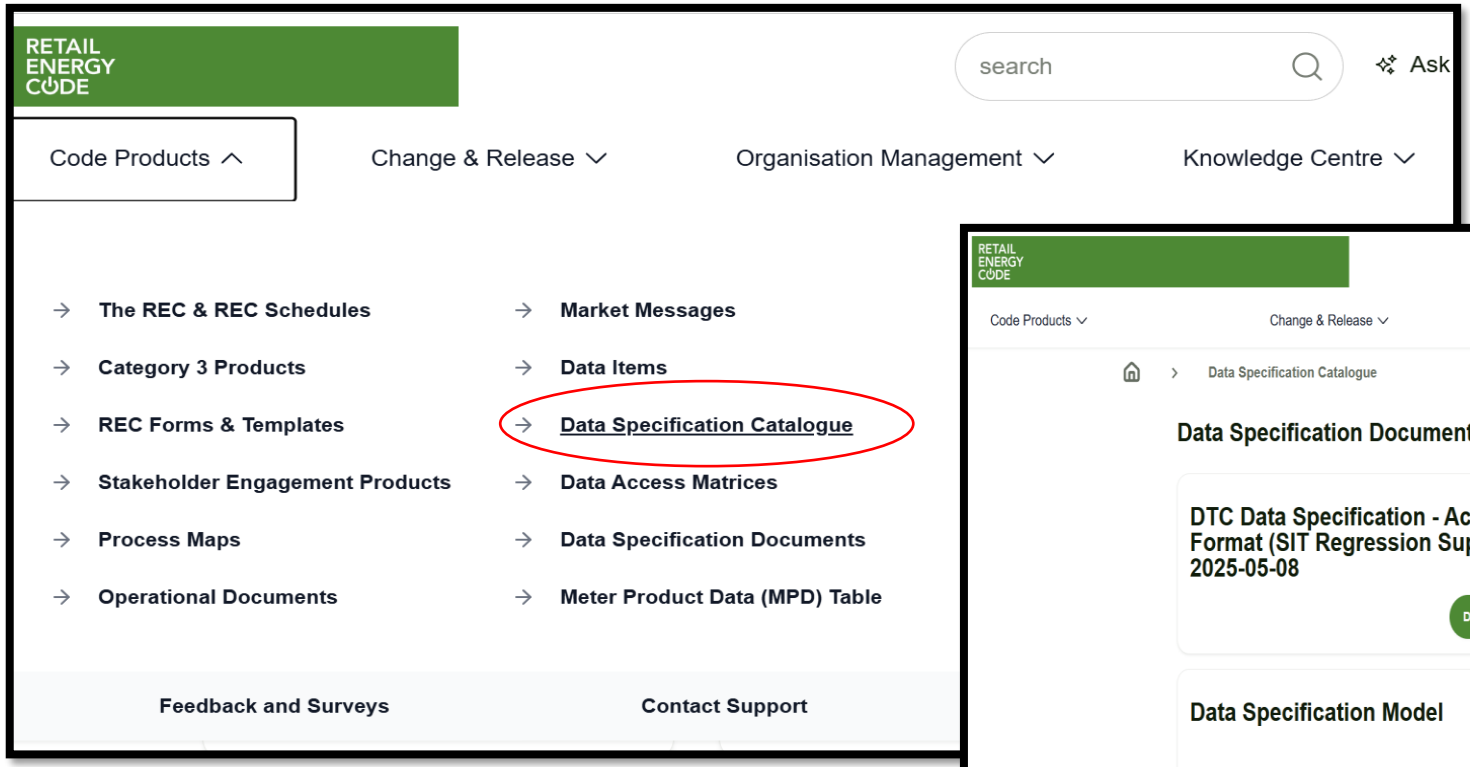
Meter Product Data (MPD) Table(s):
Contains the latest Gas Meter Products tables and response codes

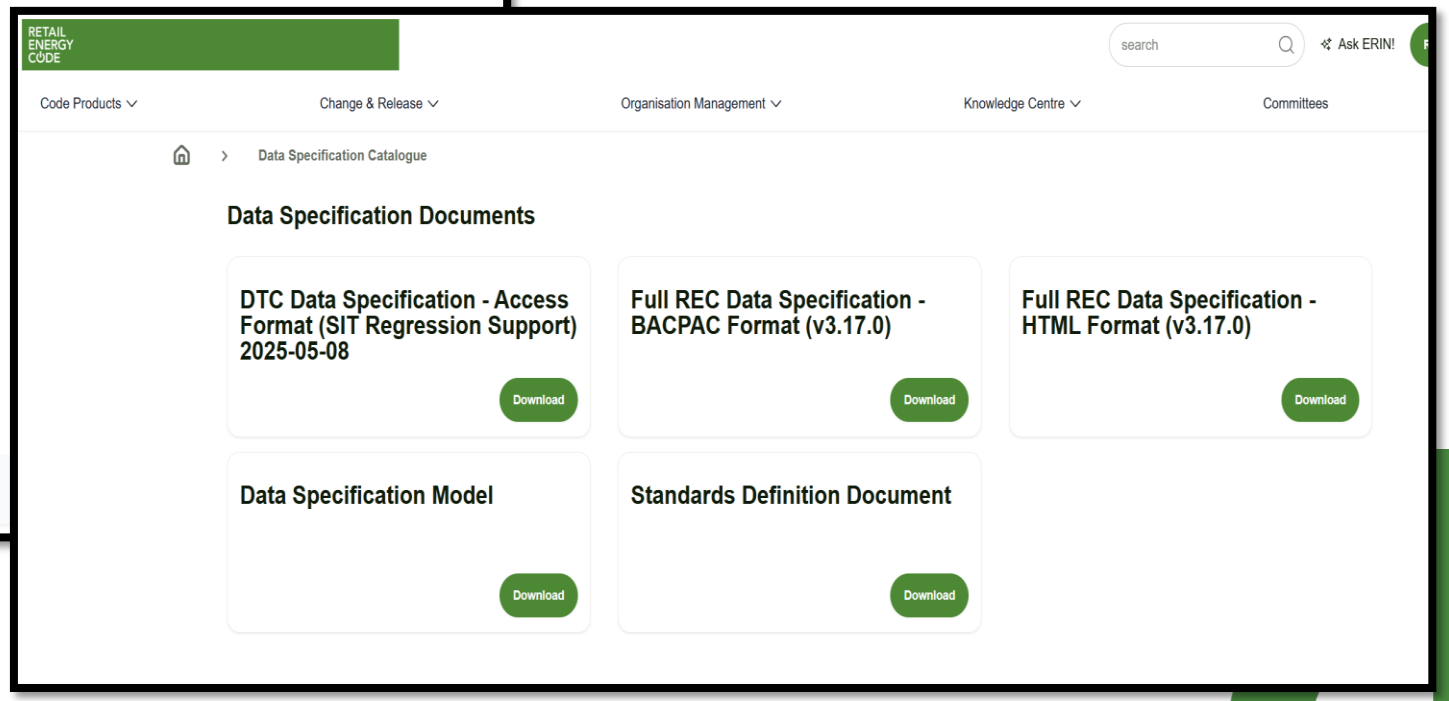
HOW TO NAVIGATE THE DATA SPECIFICATION

Accessing the Data Specification – REC Portal

The Data Specification can be accessed from the REC Portal:

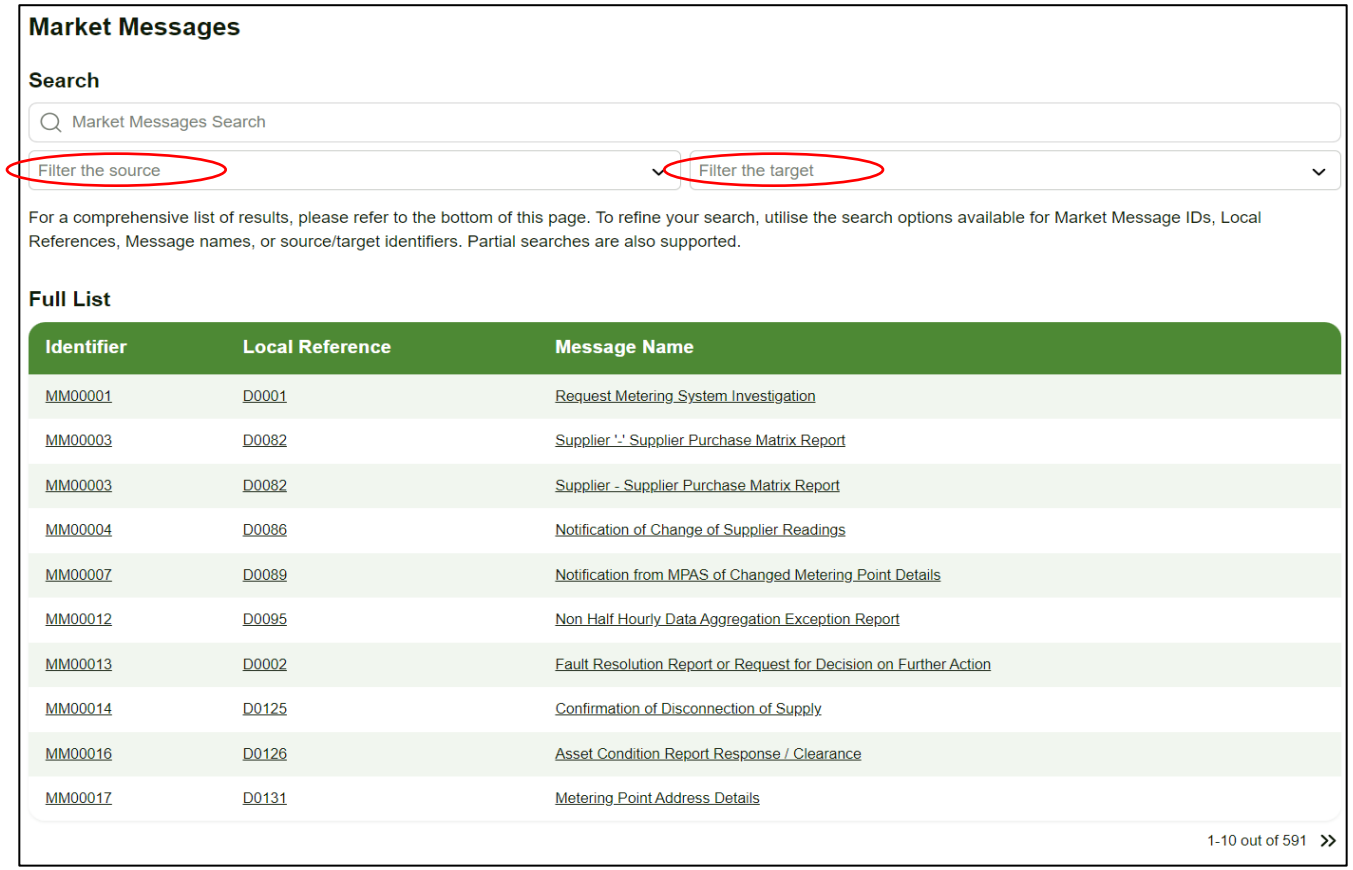
1. **Click the link** shared in the chat
2. Select the **"Code Products"** tab
3. Click on **"Data Specification Catalogue"**
4. A list of options will appear for you to explore





MARKET MESSAGES & SCENARIO VARIANTS

RETAIL ENERGY CODE



WHAT IS A MARKET MESSAGE?

Is a collection of **data items** to send **'flows'** between parties

1. Accessing the Dashboard

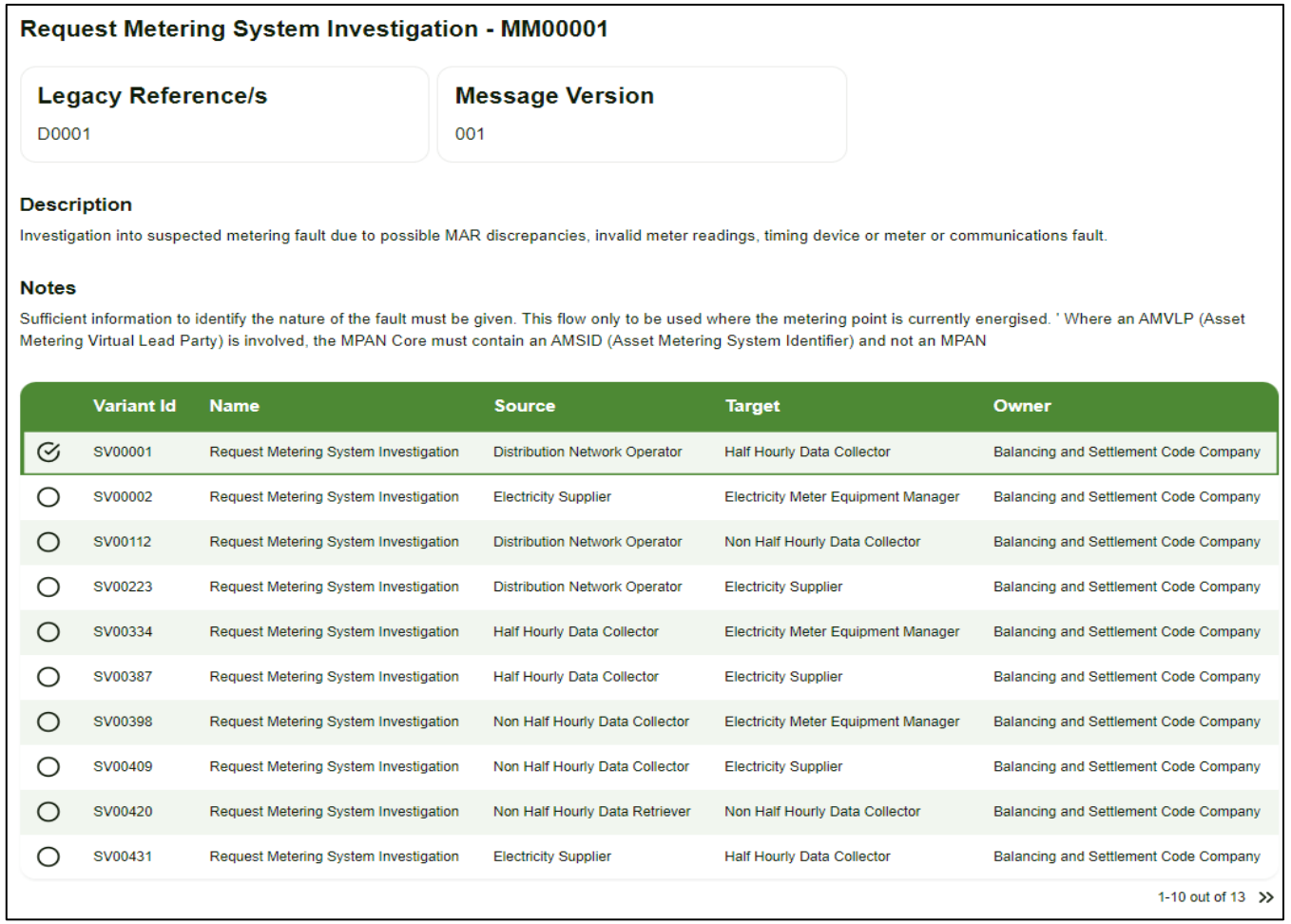
Navigate to **Market Messages** under **Code Products**.

2. Searching for Market Messages

1. You can search using **full or partial terms** to locate specific market messages.
2. Use the **Source (From)** and **Target (To)** filters to further refine your search.

MARKET MESSAGES & SCENARIO VARIANTS

RETAIL ENERGY CODE



Request Metering System Investigation - MM00001

Legacy Reference/s	Message Version
D0001	001

Description

Investigation into suspected metering fault due to possible MAR discrepancies, invalid meter readings, timing device or meter or communications fault.

Notes

Sufficient information to identify the nature of the fault must be given. This flow only to be used where the metering point is currently energised. ' Where an AMVLP (Asset Metering Virtual Lead Party) is involved, the MPAN Core must contain an AMSID (Asset Metering System Identifier) and not an MPAN

	Variant Id	Name	Source	Target	Owner
☑	SV00001	Request Metering System Investigation	Distribution Network Operator	Half Hourly Data Collector	Balancing and Settlement Code Company
○	SV00002	Request Metering System Investigation	Electricity Supplier	Electricity Meter Equipment Manager	Balancing and Settlement Code Company
○	SV00112	Request Metering System Investigation	Distribution Network Operator	Non Half Hourly Data Collector	Balancing and Settlement Code Company
○	SV00223	Request Metering System Investigation	Distribution Network Operator	Electricity Supplier	Balancing and Settlement Code Company
○	SV00334	Request Metering System Investigation	Half Hourly Data Collector	Electricity Meter Equipment Manager	Balancing and Settlement Code Company
○	SV00387	Request Metering System Investigation	Half Hourly Data Collector	Electricity Supplier	Balancing and Settlement Code Company
○	SV00398	Request Metering System Investigation	Non Half Hourly Data Collector	Electricity Meter Equipment Manager	Balancing and Settlement Code Company
○	SV00409	Request Metering System Investigation	Non Half Hourly Data Collector	Electricity Supplier	Balancing and Settlement Code Company
○	SV00420	Request Metering System Investigation	Non Half Hourly Data Retriever	Non Half Hourly Data Collector	Balancing and Settlement Code Company
○	SV00431	Request Metering System Investigation	Electricity Supplier	Half Hourly Data Collector	Balancing and Settlement Code Company

1-10 out of 13 >>

3. Understanding Search Results

1. The dashboard will return one or multiple results based on your search criteria.
2. All market messages are listed in the dashboard and can be **scrolled through** for easy browsing.

4. To view a Market message

1. Select it to open the full page. There you'll see:

- **Full Name and REC reference**
- **Legacy references (e.g., D0/A0) and Message version**
- **Full message description and related notes**
- **Scenario Variants Table is also included as seen on this screenshot**

MARKET MESSAGES & SCENARIO VARIANTS

RETAIL ENERGY CODE

Market Messages

Search

Market Messages Search

Filter the source

Filter the target

For a comprehensive list of results, please refer to the bottom of this page. To refine your search, utilise the search options available for Market Message IDs, Local References, Message names, or source/target identifiers. Partial searches are also supported.

Full List

Identifier	Local Reference	Message Name
MM00001	D0001	Request Metering System Investigation
MM00003	D0082	Supplier '-' Supplier Purchase Matrix Report
MM00003	D0082	Supplier - Supplier Purchase Matrix Report
MM00004	D0086	Notification of Change of Supplier Readings
MM00007	D0089	Notification from MPAS of Changed Metering Point Details
MM00012	D0095	Non Half Hourly Data Aggregation Exception Report
MM00013	D0002	Fault Resolution Report or Request for Decision on Further
MM00014	D0125	Confirmation of Disconnection of Supply
MM00016	D0126	Asset Condition Report Response / Clearance
MM00017	D0131	Metering Point Address Details

Request Metering System Investigation - MM00001

Legacy Reference/s
D0001

Message Version
001

Description
Investigation into suspected metering fault due to possible MAR discrepancies, invalid meter readings, timing device or meter or communications fault.

Notes
Sufficient information to identify the nature of the fault must be given. This flow only to be used where the metering point is currently energised. ' Where Metering Virtual Lead Party) is involved, the MPAN Core must contain an AMSID (Asset Metering System Identifier) and not an MPAN

	Variant Id	Name	Source	Target	Owner
☑	SV00001	Request Metering System Investigation	Distribution Network Operator	Half Hourly Data Collector	Balancing and Sett
○	SV00002	Request Metering System Investigation	Electricity Supplier	Electricity Meter Equipment Manager	Balancing and Sett
○	SV00112	Request Metering System Investigation	Distribution Network Operator	Non Half Hourly Data Collector	Balancing and Settlement Code Company
○	SV00223	Request Metering System Investigation	Distribution Network Operator	Electricity Supplier	Balancing and Settlement Code Company
○	SV00334	Request Metering System Investigation	Half Hourly Data Collector	Electricity Meter Equipment Manager	Balancing and Settlement Code Company
○	SV00387	Request Metering System Investigation	Half Hourly Data Collector	Electricity Supplier	Balancing and Settlement Code Company
○	SV00398	Request Metering System Investigation	Non Half Hourly Data Collector	Electricity Meter Equipment Manager	Balancing and Settlement Code Company
○	SV00409	Request Metering System Investigation	Non Half Hourly Data Collector	Electricity Supplier	Balancing and Settlement Code Company
○	SV00420	Request Metering System Investigation	Non Half Hourly Data Retriever	Non Half Hourly Data Collector	Balancing and Settlement Code Company
○	SV00431	Request Metering System Investigation	Electricity Supplier	Half Hourly Data Collector	Balancing and Settlement Code Company

1-10 out of 13 »

Structure (SV00001)

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name	Data Item Rule
001	Metering Points for Investigation	1 - *		G									
					1							MPAN Core	0
					O							Appointment Date	0
					O							Earliest Appointment Time	0
					O							Latest Appointment Time	0
002	Meters to be Investigated	1 - *			G								
						1						Meter Id (Serial Number)	0
003	Meter Registers to be Investigated	1 - *				G							
							1					Meter Register Id	0
							1					Reason for Request	0
							1					Date Fault Suspected/Detected	0
			Additional Information is Mandatory if Reason for Request data item value does not provide sufficient information to identify the reason for the suspected fault.				C					Additional Information	0
759	Site Visit Information	0 - *			G								
						1						Site Visit Check Code	0
						O						Additional Information	1

SCENARIO VARIANTS & FLOW STRUCTURE

RETAIL ENERGY CODE

Structure (SV00001)

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name	Data Item Rule
001	Metering Points for Investigation	1 - *		G									
					1							MPAN Core	0
					O							Appointment Date	0
					O							Earliest Appointment Time	0
					O							Latest Appointment Time	0
002	Meters to be Investigated	1 - *			G								
						1						Meter Id (Serial Number)	0
003	Meter Registers to be Investigated	1 - *				G							
							1					Meter Register Id	0
							1					Reason for Request	0
							1					Date Fault Suspected/Detected	0
			Additional Information is Mandatory if Reason for Request data item value does not provide sufficient information to identify the reason for the suspected fault.				C					Additional Information	0
759	Site Visit Information	0 - *			G								
						1						Site Visit Check Code	0
						O						Additional Information	1

Market messages follow a defined structure with headers and footers. The Data Specification outlines how each message is built and any data item population rules or conditions.

5. Understanding the Structure

- **Group ID**: Line in the message file
- **Group Description**: Explains the data items in the group
- **Range**: Shows how many times a group can appear (min/max)
- **Condition**: Rules that must be met for sending the message
- **Levels**: Indicates if items are Mandatory (1), Optional (O), or Conditional (C)
- **Data Item Rule**: States if a rule applies and what it is

MARKET MESSAGE STRUCTURE

RETAIL ENERGY CODE

	Variant Id	Name	Source	Target	Owner
✓	SV00001	Request Metering System Investigation	Distribution Network Operator	Half Hourly Data Collector	Balancing and Settlement Code Company

Header

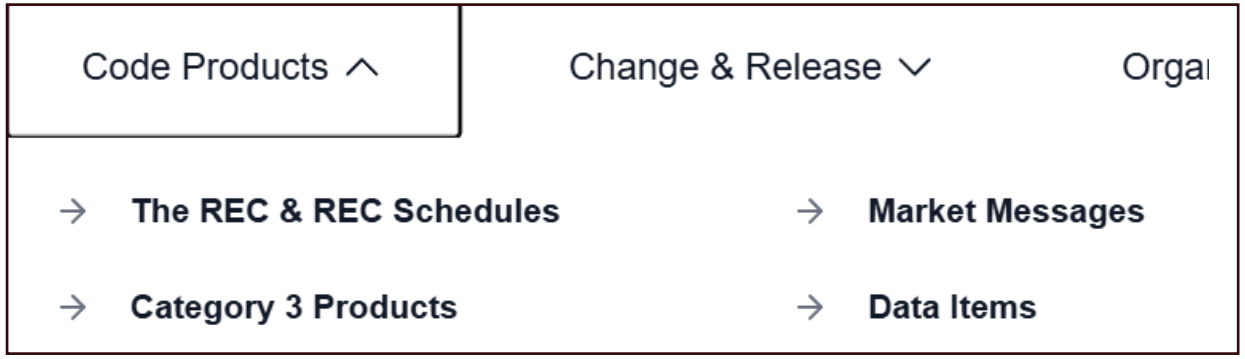
Content

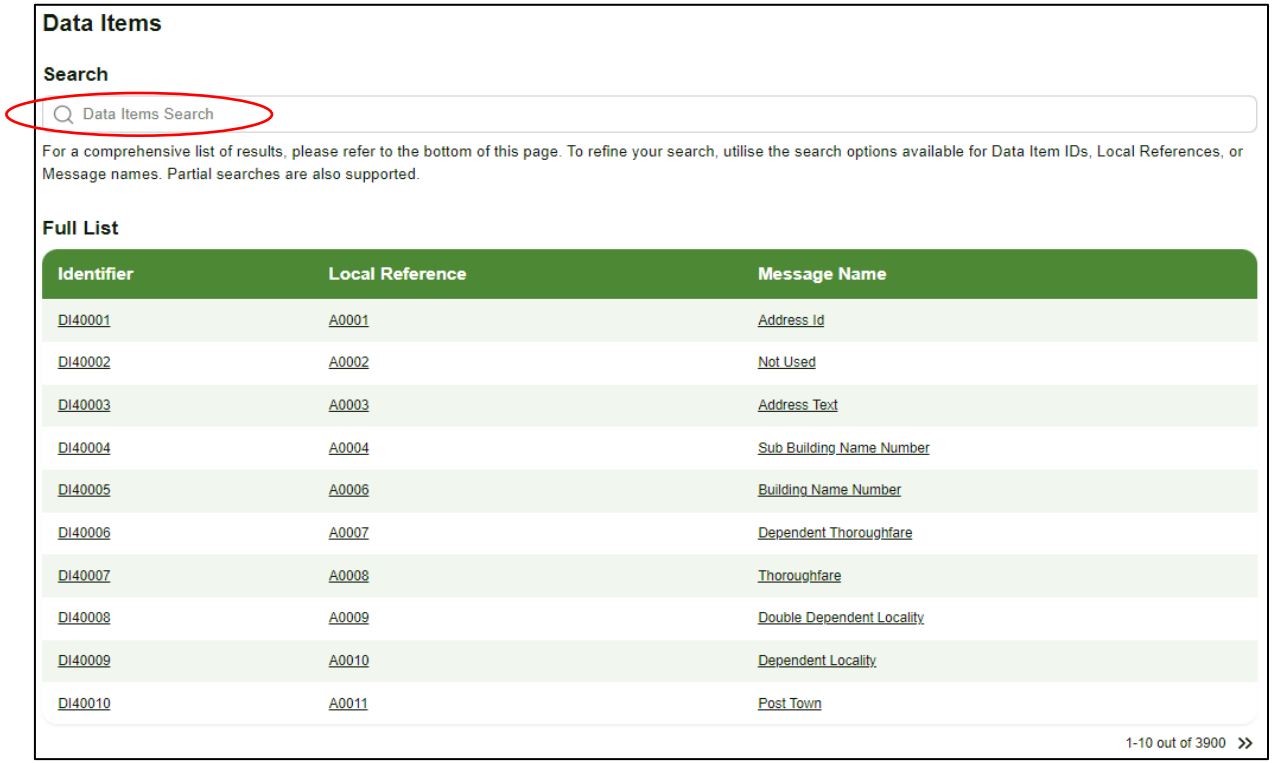
Footer

Structure (SV00001)

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name	Data Item Rule
001	Metering Points for Investigation	1 - *		G									
					1							MPAN Core	0
					O							Appointment Date	0
					O							Earliest Appointment Time	0
					O							Latest Appointment Time	0
002	Meters to be Investigated	1 - *			G								
						1						Meter Id (Serial Number)	0
003	Meter Registers to be Investigated	1 - *				G							
							1					Meter Register Id	0
							1					Reason for Request	0
							1					Date Fault Suspected/Detected	0
			Additional Information is Mandatory if Reason for Request data item value does not provide sufficient information to identify the reason for the suspected fault.				C					Additional Information	0
759	Site Visit Information	0 - *			G								
						1						Site Visit Check Code	0
						O						Additional Information	0

DATA ITEMS





WHAT IS A DATA ITEM?

A data item is a specified piece of information which has validation conditions which need to be met for it to be successfully issued via a Market Message.

The dashboard works similarly to the Market Message dashboard.

You can perform both full and partial searches to narrow down results.

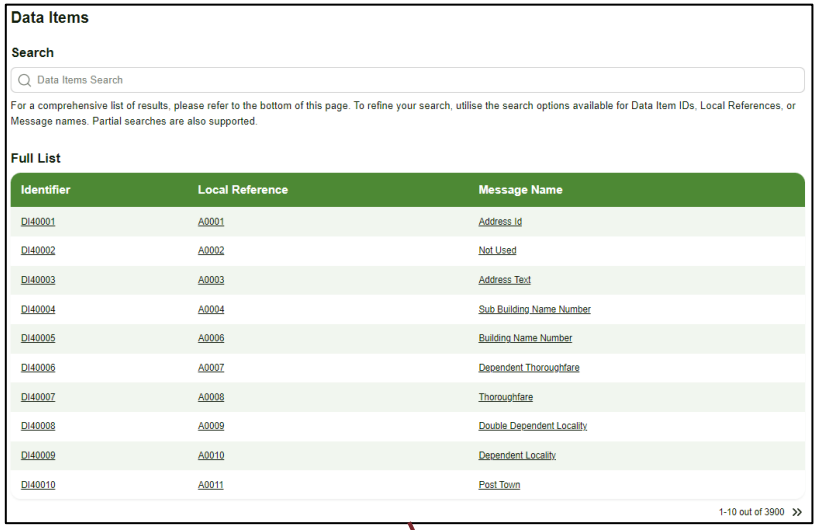
Search options include:

- **REC Data Identifier**
- **Local (legacy) reference**
- **Message name**

If no search criteria are entered, the dashboard displays a complete list of all available data items.

DATA ITEMS

RETAIL ENERGY CODE



Data Items

Search

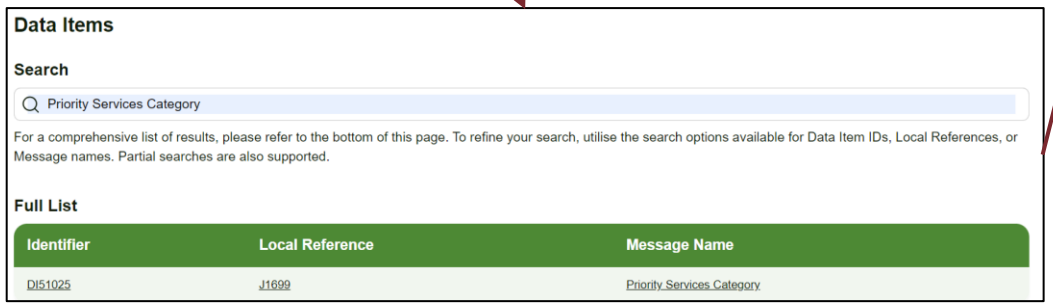
Data Items Search

For a comprehensive list of results, please refer to the bottom of this page. To refine your search, utilise the search options available for Data Item IDs, Local References, or Message names. Partial searches are also supported.

Full List

Identifier	Local Reference	Message Name
DI40001	A0001	Address Id
DI40002	A0002	Not Used
DI40003	A0003	Address Text
DI40004	A0004	Sub Building Name Number
DI40005	A0006	Building Name Number
DI40006	A0007	Dependent Thoroughfare
DI40007	A0008	Thoroughfare
DI40008	A0009	Double Dependent Locality
DI40009	A0010	Dependent Locality
DI40010	A0011	Post Town

1-10 out of 3900 >>



Data Items

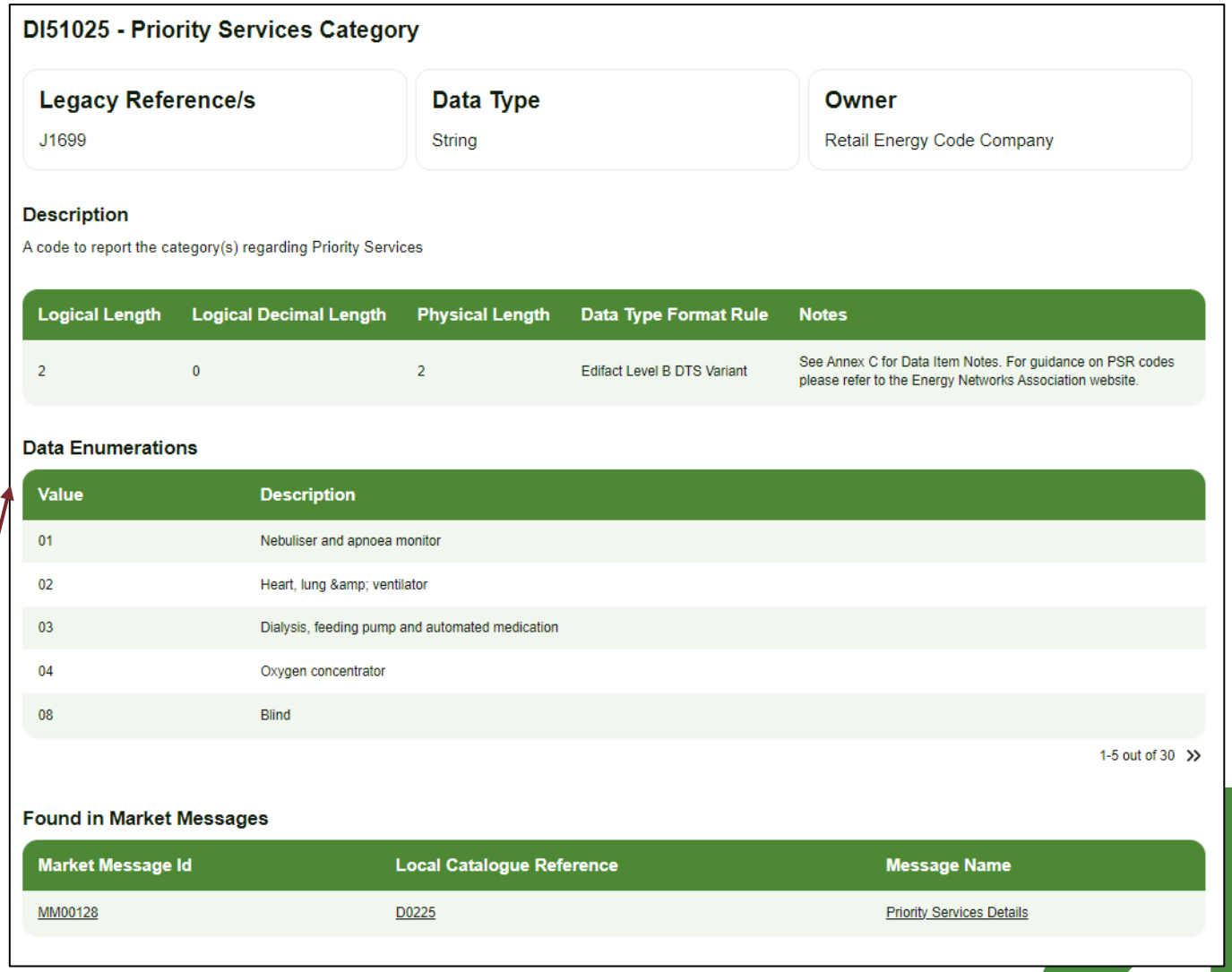
Search

Priority Services Category

For a comprehensive list of results, please refer to the bottom of this page. To refine your search, utilise the search options available for Data Item IDs, Local References, or Message names. Partial searches are also supported.

Full List

Identifier	Local Reference	Message Name
DI51025	J1699	Priority Services Category



DI51025 - Priority Services Category

Legacy Reference/s
J1699

Data Type
String

Owner
Retail Energy Code Company

Description

A code to report the category(s) regarding Priority Services

Logical Length	Logical Decimal Length	Physical Length	Data Type Format Rule	Notes
2	0	2	Edifact Level B DTS Variant	See Annex C for Data Item Notes. For guidance on PSR codes please refer to the Energy Networks Association website.

Data Enumerations

Value	Description
01	Nebuliser and apnoea monitor
02	Heart, lung & ventilator
03	Dialysis, feeding pump and automated medication
04	Oxygen concentrator
08	Blind

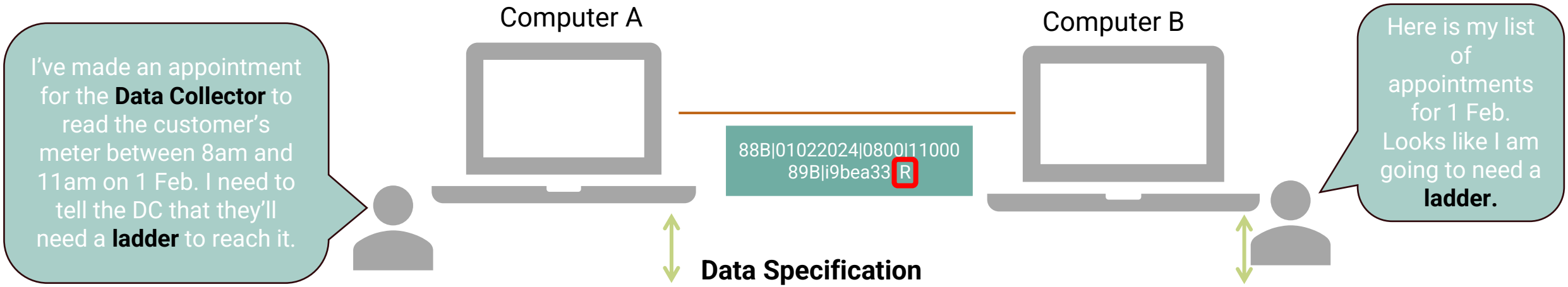
1-5 out of 30 >>

Found in Market Messages

Market Message Id	Local Catalogue Reference	Message Name
MM00128	D0225	Priority Services Details

DATA SPECIFICATION –OVERVIEW

By clearly defining data items and market messages, the data specification ensures that information can be shared from machine to machine, smoothing the way for the thousands of pieces of information shared by energy market participants daily.



File Format

88B	Appointment Details	1 - 1	G			
				1	Appointment Date	
				O	Earliest Appointment Time	
				O	Latest Appointment Time	
				O	Reason for Request	The Reason for Request value must equal the corresponding Reason for Request value within the Instruction on Action or Instruction to Obtain Change of Supplier Reading Energy Market Message.
89B	Meter Details	1 - *	G			
				1	Meter Id (Serial Number)	
				1	Meter Location	

Valid Meter Locations

Data Enumerations

Value	Description
P	Pole
R	Ladder required
S	Understairs
T	Toilet
U	Upstairs

RETAIL ENERGY CODE

MAKING CHANGES TO THE DATA SPECIFICATION

DATA ITEMS AND MESSAGES ARE OWNED BY A CODE

RETAIL ENERGY CODE

Changes must be approved under the governance mechanism of the Scenario Variant or Data Item Owner

The REC Data Spec contains message information for both REC and Non-REC industry flows

REC BSC DCUSA SEC UNC

REC Data Specification

SV00161 - Market Domain Data Complete Set (MM00161 - D0269)

Legacy Reference/s	Message Version	Owner
D0269	004	Balancing and Settlement Code Company

Description The complete set of data which defines the environment of the 1998 Trading Arrangements. This comprises the parties, which trade, and the networks, configurations and parameters on which the trading is based.

Market Domain Data Agent → Distribution Network Operator

Structure (SV00161)

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name	Data Item Rule
MDD	Market Domain Data Version	1 - 1		G									
					1							MDD Version Number	
					1							MDD Publication Date	
OFT	Off Tolerance Parameters	0 - *		G									
					1							Off Tolerance	
					1							Effective from Settlement Date {OT}	

Caution: different Scenario Variants can be owned by different codes

DATA SPECIFICATION UPDATES

RETAIL ENERGY CODE

There are two potential scenarios that a non-REC owned data specification change can fall under

Single code impact

Only one code is affected.

Go directly to the Code Manager/code administrator that is the owner. The owner should seek approval under the appropriate governance mechanism.

Example 1: A new BSC defined process that requires a new data flow, with new data items which will all be BSC owned

A BSC change would be needed to amend the BSC legal text and approve the Data Specification

Multiple code impact

Two or more codes are affected.

Where multiple codes are impacted, a change should be raised under each impacted code. Where there is a cross-code impact, the Cross Code Steering Group will ensure that the change plans for all linked changes are aligned across the code bodies, and that engagement is, wherever possible, co-ordinated, so that industry parties get a holistic view of the complete change.

Example 2: Addition of a new data item to the D0002 Market Message.

The D0002 Market Message has scenario variants owned by REC and the BSC, so a BSC and REC change will be needed



Not sure which one applies? Email enquiries@recmanager.co.uk

DATA SPECIFICATION PRE-RELEASES

RETAIL ENERGY CODE

Changes to the Data Specification will occur in line with the Change Calendar release windows.

There may be times when an extra-ordinary release window occurs.

FEBRUARY | **JUNE** | **NOVEMBER**

How a change moves from approval to live

1. **Approved**
   Change gets 'awaiting implementation' status.
2. **Pre-release**
   Updated catalogue published so you can prep your systems.
3. **Release day**
   Final version goes live under Code Products.
4. **Reflected everywhere**
   Dashboards and schedules now show the new version.

Data Specification Documents

Full Data Specification - HTML (v3.14.0 Pre-Release)
Download

Full Data Specification - BACPAC (v3.14.0 Pre-Release)
Download

DTC Data Specification - ACCESS (v3.14.0 Pre-Release)
Download

FINAL RELEASE

RETAIL ENERGY CODE

Once release date has been reached, the final versions of the Data Specification Catalogues will be made live under **Code Products, Data Specifications Catalogues**.

This will also be the date that any iterations to REC Schedules will be implemented and can be accessed in digital format, and when data will be reflected within the Market Messages and Data Items dashboards.

Data Specification Documents

DTC Data Specification - Access Format (v3.14.0)

Download

Full REC Data Specification - BACPAC Format (v3.14.0)

Download

Full REC Data Specification - HTML Format (v3.14.0)

Download

Data Specification Model

Download

Performance Assurance Report Catalogue (PARC)

Download

Standards Definition Document

Download

DIRECT UPDATES ON THE DATA SPECIFICATION

RETAIL ENERGY CODE

Join our REC Data Specification Distribution list to get email updates on the REC Data Specification (e.g. when a new pre-release is available) by emailing:
enquiries@recmanager.co.uk

RETAIL ENERGY CODE

DIGITAL NAVIGATOR: GUIDED TOUR

RETAIL ENERGY CODE

Q&A

RETAIL ENERGY CODE

THANKS FOR ATTENDING

CONTACT US: ENQUIRIES@RECMANAGER.CO.UK