Training Data Generator

Version 1.1

History of Changes

Outline of changes that have been made to this document since the last version

Version	Date	Section	Change Summary
1.0	01/04/2021		Initial version
1.1	05/05/2021		Jade Software Corporation

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Training Data Generator

For training purposes, the Authority requires a Set of pre-defined data into UAT for use in the Beginner Registry Training Course. Each ICP is assigned a fixed identifier, and a pre-determined participant for each role of Distributor, Trader and MEP. Each ICP has a pre-determined structure with a mixture of half hour, non-half hour and associated metering.

In addition, Participant Supervisor Logons can generate new ICPs for their own training or testing purposes.

For a Participant to generate ICPs they must perform a role entailing ICP responsibility as defined in the Code; that is, a role of Trader, Distributor or MEP

The ICP's follow the same structure as the Beginners Registry Training Course ICP's but have unique ICP identifiers. Participants performing a role of Retailer, Distributor or MEP will have the ICP's assigned to them in that role.

The Training Data Generator is available in non-production systems only.

Purpose of this Document

This document outlines:

- Feature Overview
    - Key concepts
- How the feature works
    - Using the feature

Feature Overview

The data generation feature is available in the browser and only in non-production systems.

The Authority or Registry Manager may generate a pre-defined Set of ICPs for use in the Beginner Registry Training Course. The Registry Training Data Set is locked; that is the ICPs cannot be updated. This feature is restricted to the Authority and Registry Manager.

A Participant with ICP responsibility; that is a Trader, Distributor or MEP may use a Supervisor Logon to generate a Set of ICP's using the same template as for the generation of Beginner Registry Training Course ICP's.

Key concepts

Ability to generate a Training Data Set

ICP Training Data generation is available to Participant Supervisor logon users.

A non-supervisor logon user may view the generated data but cannot generate a Set of ICP's themselves.

ICP Identifier format

Participant generated ICPs contain a unique identifier in a format that makes them easily recognisable. Each ICP Identifier has the following format "nnnnnnnnnnnZZxxx" where:

- nnnnnnnnnn = numeric
- <DummyParticipantID> = ZZ (for all participants)
- xxx = checksum character

For example, Participant RETA generates a Set of ICP's, the unique identifiers would be:

- 0000000041ZZ6B2 0000000050ZZ05A …

Assignment of Roles

The Participant is assigned to each ICP corresponding to the role they perform in the Registry; that is,

- if a Trader generates a Set of ICP's they are assigned as Trader
- if a Distributor generates a Set of ICP's they are assigned as Distributor
- if an MEP generates a Set of ICP's they are assigned as MEP on those ICP's
- if a participant performs multiple roles, for example is both a Trader and an MEP; they are assigned both those roles

Number of ICP's in a Set

A Set of IP's consists of 14 ICP's with various settings (half hour, non-half hour, associated metering and so forth). The Set includes 10 ICP's mimicking the ICPs generated for the Registry Beginner Training course, and 4 additional ICP's with further setup variations.

Refer to the Appendix for the Set of ICPs that are created.

A participant may generate up to 1000 sets of ICP's.

Data Aging

The ICP Events created are aged so they have the appearance of having been created at different input dates and times over the previous 3 months.

Preventing Updating

A Set of ICPs may be marked as locked; that is, an attempt to update any ICP that is part of the locked Set is rejected.

If updating has not been prevented, then an ICP acts in every way as a standard ICP and can be maintained using normal Registry functionality.

Retention of ICPs created using the Training Data Generator

Sets of ICP s are NOT retained if the database is refreshed. The UAT system is periodically refreshed with a copy of production coinciding with the monthly release schedule (2nd Sunday of each month). Generated ICPs are not retained as part of the refresh process.

How the Feature Works

Generating of a Set of ICPs

Training Data Generation Access

Log on to the browser interface using a Supervisor Logon.

Under the menu select Training then ICP Generation to access the ICP Training Data Generation screen:

ICP Training Data Generation Screen

Where a Participant fulfils a specific role their Participant identifier is pre-filled, all other roles are set to default values.

A Supervisor Logon must provide a ***unique*** Description. It is recommended the Description is meaningful and clearly identifies the purpose of the Set.

The Supervisor Logon may also update the data Set as Locked by setting the Prevent Updating ICP's option. This option can be set at creation of the data or at a later stage after they have been created.

The Supervisor Logon User may click the Generate ICPs button to create a Set of ICP's.

At this point a user may select to

a) Generate ICPs – generate a subsequent Set of training ICP's. A new unique Description must be entered; or

b) Download - download a file of all information pertaining to the ICPs that have been created; or

c) View ICPs - proceed to the View Generated ICP Groups screen

View Generated ICP Groups Screen

This screen is available to all logon users from the menu, or from the ICP Data Generation screen and displays all Training Data Sets:

The screen provides the data generation date, the Supervisor Logon user that created the Set, and if ICPs in the Set can be updated.

At this point a user may select a table entry and proceed to the View ICPs For Training screen which provides a summary of the ICP Identifiers.

View ICPs For Training screen

This screen is available to all logon users from either the menu, or from the View Generated ICP Groups screen.

User: Default supervisor - sRETA

View ICPs For Training

Description: ICPs for training - New Switching Process ☐ Prevent Updating ICPs

ICP id	Network	Trader	MEP
0000000083ZZ1D8	NET1	RETA	MET1
0000000084ZZC12	NET1	RETA	MET1
0000000085ZZ057	NET1	RETA	MET1
0000000086ZZC97	NET1	RETA	MET1
0000000087ZZ0D2	NET1	RETA	MET1
0000000088ZZF0C	NET1	RETA	MET1
0000000089ZZ349	NET1	RETA	MET1
0000000090ZZ7B5	NET1		
0000000091ZZBF0	NET1		
0000000092ZZ730	NET1		
0000000093ZZB75	NET1	RETA	MET1
0000000094ZZ6BF	NET1	RETA	MET1
0000000095ZZAFA	NET1	RETA	MET1
0000000096ZZ63A	NET1	RETA	MET1

Generation Details Download View

A Logon User may select:

a) Generation Details – proceed to the ICP Training Data Generation screen to view detailed information about the generated ICPs

b) Download - download a file of summary information for the ICPs in the Set

In addition, a Supervisor Logon User may lock or unlock the Set by updating the Prevent Updating ICP's option.

Appendix – ICPs generated by the Training Data Generator

This appendix details the ICP's created as part of the Beginner Registry Training Course. These ICP's also act as a template for ICP's generated by a Supervisor Logon User for their own purpose.

ICP's generated by a Participant have the following differences:

- Each ICP Identifier is unique
- The Participant is assigned to each ICP corresponding to the role they perform in the Registry

ICPs Event Type, Input date/time, Details
NET 13/06/2017 09:01:45,DET,0113062017RB5AA,01/05/2017,TrgData,NET1,NET1001,GN,Y,L,RET5,,,0,,02/05/2017,Retailer,,,01/05/2017,TrgData,PCAT1,LFC1,,0.00,, 01/05/2017,TrgData,1,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,, RET 13/06/2017 09:41:08,DET,0113062017RB5AA,02/05/2017,TrgData,RET5,HHR,Y,N,000000,MET1,N,,,,02/05/2017,TrgData,2,, MN 13/06/2017 10:06:56,P,0113062017RB5AA,MET1,02/05/2017,A,, MET 13/06/2017 10:10:20,H,0113062017RB5AA,MET1,02/05/2017,TrgData,1 MET,I,0113062017RB5AA,1,BP,ATH1,HHR,F,02/05/2017,02/05/2032,Y,N,,123546,35,Cheap,2 MET,M,0113062017RB5AA,1,1123456L,L,,N,,1,,,1 MET,R,0113062017RB5AA,1,1123456L,1,,,,,,,N, MET,M,0113062017RB5AA,1,1123456M,M,HHR,Y,1,1,,,3 MET,R,0113062017RB5AA,1,1123456M,1,6,UN,24,kWh,X,C,Y, MET,R,0113062017RB5AA,1,1123456M,2,6,CN,16,kWh,X,C,Y, MET,R,0113062017RB5AA,1,1123456M,50,12,7304,24,kWh,X,A,N,,
NET 13/06/2017 09:16:21,DET,0213062017RB395,01/05/2017,TrgData,NET1,NET1001,GN,N,L,RET5,,,0,,02/05/2017,Retailer,,,01/05/2017,TrgData,PCAT1,LFC1,,0.00,, 01/05/2017,TrgData,2,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,, RET 13/06/2017 09:42:03,DET,0213062017RB395,02/05/2017,TrgData,RET5,RPS,N,Y,000000,MET1,N,,,,02/05/2017,TrgData,2,, MN 13/06/2017 10:10:55,P,0213062017RB395,MET1,02/05/2017,A,,

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MET 13/06/2017 10:13:42,H,0213062017RB395,MET1,02/05/2017,TrgData,1
MET,I,0213062017RB395,1,FB,ATH1,NHH,F,02/05/2017,02/05/2032,Y,N,,123546,365,Cheap,3
MET,M,0213062017RB395,1,2123456L,L,,N,,1,,,1
MET,R,0213062017RB395,1,2123456L,1,,,,,,,N,
MET,M,0213062017RB395,1,2123456M,M,NHH,N,1,1,,,1
MET,R,0213062017RB395,1,2123456M,1,6,UN,24,kWh,X,C,Y,
MET,M,0213062017RB395,1,2223456M,M,NHH,N,1,1,,,1
MET,R,0213062017RB395,1,2223456M,1,6,CN,18,kWh,X,C,Y,,
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NET 13/06/2017
09:18:32,DET,0313062017RB985,01/05/2017,TrgData,NET1,NET1001,GN,Y,B,RET5,,,2,solar,02/05/2017,Retailer,,,01/05/2017,TrgData,PCAT1,LFC1,,
15.00,,01/05/2017,TrgData,3,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,,
RET 13/06/2017 09:42:51,DET,0313062017RB985,02/05/2017,TrgData,RET5,HHR,Y,N,000000,MET1,N,,,,02/05/2017,TrgData,2,,
MN 13/06/2017 10:14:18,P,0313062017RB985,MET1,02/05/2017,A,,
MET 13/06/2017 10:18:04,H,0313062017RB985,MET1,02/05/2017,TrgData,1
MET,I,0313062017RB985,1,BR,ATH1,HHR,F,02/05/2017,02/05/2032,Y,N,,123456,40,Cheap,2
MET,M,0313062017RB985,1,3123456L,L,,N,,1,,,1
MET,R,0313062017RB985,1,3123456L,1,,,,,,,N,
MET,M,0313062017RB985,1,3123456M,M,HHR,Y,1,1,,,5
MET,R,0313062017RB985,1,3123456M,1,6,UN,24,kWh,X,C,Y,
MET,R,0313062017RB985,1,3123456M,2,6,CN,17,kWh,X,C,Y,
MET,R,0313062017RB985,1,3123456M,3,6,EG,24,kWh,I,C,Y,
MET,R,0313062017RB985,1,3123456M,50,12,7304,24,kWh,X,A,N,
MET,R,0313062017RB985,1,3123456M,51,12,7304,24,kWh,I,A,N,,
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NET 13/06/2017
09:20:18,DET,0413062017RBFEB,01/05/2017,TrgData,NET1,NET1001,GN,Y,B,RET5,,,2,tidal,02/05/2017,Retailer,,,01/05/2017,TrgData,PCAT1,LFC2,,
16.00,,01/05/2017,TrgData,4,2,Hunter Street,,Wellington,6143,Wellington,GIC apartments,0,0,,
RET 13/06/2017 09:44:40,DET,0413062017RBFEB,02/05/2017,TrgData,RET5,RPS,N,Y,000000,MET1,N,,,,02/05/2017,TrgData,2,,
MN 13/06/2017 10:18:40,P,0413062017RBFEB,MET1,02/05/2017,A,,
MET 13/06/2017 10:21:47,H,0413062017RBFEB,MET1,02/05/2017,TrgData,1
MET,I,0413062017RBFEB,1,BD,ATH1,NHH,F,02/05/2017,02/05/2032,Y,N,,123456,35,Cheap,2
```

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MET,M,0413062017RBFEB,1,4123456L,L,,N,,1,,,1
MET,R,0413062017RBFEB,1,4123456L,1,,,,,,,N,
MET,M,0413062017RBFEB,1,4123456M,M,NHH,Y,1,1,,,3
MET,R,0413062017RBFEB,1,4123456M,1,6,UN,24,kWh,X,C,Y,
MET,R,0413062017RBFEB,1,4123456M,2,6,CN,24,kWh,X,C,Y,
MET,R,0413062017RBFEB,1,4123456M,3,6,EG,24,kWh,I,C,Y,,
```

```
NET 13/06/2017
09:22:17,DET,0513062017RB5FB,01/05/2017,TrgData,NET1,NET1001,GN,Y,L,RET5,,,0,,02/05/2017,Retailer,,,01/05/2017,TrgData,PCAT1,LFC1,,10.00
,,01/05/2017,TrgData,5,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,,
RET 13/06/2017 09:49:36,DET,0513062017RB5FB,02/05/2017,TrgData,RET5,HHR,Y,N,000000,MET1,N,,,,02/05/2017,TrgData,1,12,
MN 13/06/2017 10:23:03,P,0513062017RB5FB,MET1,02/05/2017,A,,
MET 13/06/2017 10:25:59,H,0513062017RB5FB,MET1,02/05/2017,TrgData,1
MET,I,0513062017RB5FB,1,DR,ATH1,HHR,F,02/05/2017,02/05/2032,Y,N,,123456,40,Cheap,2
MET,M,0513062017RB5FB,1,5123456L,L,,N,,1,,,1
MET,R,0513062017RB5FB,1,5123456L,1,,,,,,,N,
MET,M,0513062017RB5FB,1,5123456M,M,HHR,Y,1,1,,,3
MET,R,0513062017RB5FB,1,5123456M,1,6,UN,24,kWh,X,C,Y,
MET,R,0513062017RB5FB,1,5123456M,2,6,CN,18,kWh,X,C,Y,
MET,R,0513062017RB5FB,1,5123456M,50,12,7304,24,kWh,X,A,N,,
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NET 13/06/2017
09:24:19,DET,0613062017RB3C4,01/05/2017,TrgData,NET1,NET1001,GN,Y,B,RET5,,,2,solar,,Retailer,,,01/05/2017,TrgData,PCAT1,LFC2,,50.00,,01/0
5/2017,TrgData,6,2,Hunter Street,,6143,6143,Wellington,GIC Towers,0,0,,
RET 13/06/2017 09:50:56,DET,0613062017RB3C4,02/05/2017,TrgData,RET5,HHR,Y,N,B080,MET1,N,,,,02/05/2017,TrgData,2,,
MN 13/06/2017 10:26:27,P,0613062017RB3C4,MET1,02/05/2017,A,,
MET 13/06/2017 10:29:47,H,0613062017RB3C4,MET1,02/05/2017,TrgData,1
MET,I,0613062017RB3C4,1,CP,ATH1,HHR,F,02/05/2017,02/05/2032,N,N,,123456,40,Cheap,1
MET,M,0613062017RB3C4,1,6123456M,M,HHR,N,2,80,,,4
MET,R,0613062017RB3C4,1,6123456M,1,12,7304,24,kWh,X,A,Y,
MET,R,0613062017RB3C4,1,6123456M,2,12,7304,24,kVArh,X,A,N,
MET,R,0613062017RB3C4,1,6123456M,3,12,7304,24,kWh,I,A,Y,
```

```
MET,R,0613062017RB3C4,1,6123456M,4,12,7304,24,kVArh,I,A,N,,
MET 13/06/2017 10:30:54,H,0613062017RB3C4,MET1,02/05/2017,TrgData,1
MET,I,0613062017RB3C4,1,CP,ATH1,HHR,F,02/05/2017,02/05/2032,N,N,,123456,40,Cheap,4
MET,M,0613062017RB3C4,1,6123456B,C,,N,,1,,,0
MET,M,0613062017RB3C4,1,6123456M,M,HHR,N,2,80,,,4
MET,R,0613062017RB3C4,1,6123456M,1,12,7304,24,kWh,X,A,Y,
MET,R,0613062017RB3C4,1,6123456M,2,12,7304,24,kVArh,X,A,N,
MET,R,0613062017RB3C4,1,6123456M,3,12,7304,24,kWh,I,A,Y,
MET,R,0613062017RB3C4,1,6123456M,4,12,7304,24,kVArh,I,A,N,
MET,M,0613062017RB3C4,1,6123456R,C,,N,,1,,,0
MET,M,0613062017RB3C4,1,6123456Y,C,,N,,1,,,0,
MET 13/06/2017 10:36:44,H,0613062017RB3C4,MET1,02/05/2017,TrgData,1
MET,I,0613062017RB3C4,1,CP,ATH1,HHR,F,02/05/2017,02/05/2032,N,N,,123456,40,Cheap,4
MET,M,0613062017RB3C4,1,6123456B,C,,N,,1,,,0
MET,M,0613062017RB3C4,1,6123456M,M,HHR,N,2,80,,,4
MET,R,0613062017RB3C4,1,6123456M,1,12,7304,24,kWh,X,A,Y,
MET,R,0613062017RB3C4,1,6123456M,2,12,7306,24,kVArh,X,A,N,
MET,R,0613062017RB3C4,1,6123456M,3,12,7304,24,kWh,I,A,Y,
MET,R,0613062017RB3C4,1,6123456M,4,12,7306,24,kVArh,I,A,N,
MET,M,0613062017RB3C4,1,6123456R,C,,N,,1,,,0
MET,M,0613062017RB3C4,1,6123456Y,C,,N,,1,,,0,
```

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NET 13/06/2017 09:26:41,DET,0713062017RB9D4,01/05/2017,TrgData,NET1,NET1001,GN,N,B,RET5,,,50,liquid
fuel,02/05/2017,Distributor,,,01/05/2017,TrgData,PCAT1,LFC1,,250.00,,01/05/2017,TrgData,7,2,Hunter Street,,Wellington,6143,Wellington,GIC
Towers,0,0,,
RET 13/06/2017 09:51:56,DET,0713062017RB9D4,02/05/2017,TrgData,RET5,HHR,Y,N,M692300,MET1,N,,,,02/05/2017,TrgData,2,,
MN 13/06/2017 10:31:22,P,0713062017RB9D4,MET1,02/05/2017,A,,
MET 13/06/2017 10:34:58,H,0713062017RB9D4,MET1,02/05/2017,TrgData,1
MET,I,0713062017RB9D4,1,BO,ATH1,HHR,F,02/05/2017,02/05/2022,N,N,,123456,35,Cheap,4
MET,M,0713062017RB9D4,1,7123456B,C,,N,,1,,,0
MET,M,0713062017RB9D4,1,7123456M,M,HHR,N,3,160,,,4
MET,R,0713062017RB9D4,1,7123456M,1,12,7304,24,kWh,X,A,Y,
```

MET,R,0713062017RB9D4,1,7123456M,2,12,7306,24,kVArh,X,A,N, MET,R,0713062017RB9D4,1,7123456M,3,12,7306,24,kWh,I,A,Y, MET,R,0713062017RB9D4,1,7123456M,4,12,7306,24,kVArh,I,A,N, MET,M,0713062017RB9D4,1,7123456R,C,,N,,1,,,0 MET,M,0713062017RB9D4,1,7123456Y,C,,N,,1,,,0, MET 13/06/2017 10:36:02,H,0713062017RB9D4,MET1,02/05/2017,TrgData,1 MET,I,0713062017RB9D4,1,BO,ATH1,HHR,F,02/05/2017,02/05/2022,N,N,,123456,35,Cheap,4 MET,M,0713062017RB9D4,1,7123456B,C,,N,,1,,,0 MET,M,0713062017RB9D4,1,7123456M,M,HHR,N,3,160,,,4 MET,R,0713062017RB9D4,1,7123456M,1,12,7304,24,kWh,X,A,Y, MET,R,0713062017RB9D4,1,7123456M,2,12,7306,24,kVArh,X,A,N, MET,R,0713062017RB9D4,1,7123456M,3,12,7304,24,kWh,I,A,Y, MET,R,0713062017RB9D4,1,7123456M,4,12,7306,24,kVArh,I,A,N, MET,M,0713062017RB9D4,1,7123456R,C,,N,,1,,,0 MET,M,0713062017RB9D4,1,7123456Y,C,,N,,1,,,0,
NET 13/06/2017 09:28:30,DET,0813062017RBF18,01/05/2017,TrgData,NET1,NET1001,GN,N,L,RET5,,,0,,02/05/2017,Retailer,,,01/05/2017,TrgData,PCAT1,LFC1,,15.00 ,,01/05/2017,TrgData,8,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,,
NET 13/06/2017 09:30:03,DET,0913062017RB508,01/05/2017,TrgData,NET1,NET1001,GN,Y,L,RET5,,,0,,02/05/2017,Retailer,,,01/05/2017,TrgData,PCAT1,LFC1,,16.00 ,,01/05/2017,TrgData,9,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,,
NET 13/06/2017 09:31:34,DET,1013062017RB3F5,01/05/2017,TrgData,NET1,NET1001,GN,Y,B,RET5,,,2,solar,02/05/2017,Distributor,,,01/05/2017,TrgData,PCAT1,LFC 1,,50.00,,01/05/2017,TrgData,10,2,Hunter Street,,Wellington,6143,Wellington,GIC Towers,0,0,,

The 4 additional ICP's with data variations created specifically for Participants (example uses a Distributor code of NET1):

NHH non-AMI
NET 06/03/2021 16:27:05,DET,0000000135ZZBE1,03/03/2021,TrgData,**NET1,NET1001**,GN,Y,L,RET1,,,0,,06/03/2021,Retailer,,,03/03/2021,TrgData,PCAT1,LFC1,,0.00,, 03/03/2021,TrgData,11,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,, RET 07/03/2021 16:27:05,DET,0000000135ZZBE1,04/03/2021,TrgData,RET1,RPS,Y,N,000000,MET1,N,,,,04/03/2021,TrgData,2,, MN 07/03/2021 17:27:05,P,0000000135ZZBE1,MET1,04/03/2021,A,, MET 07/03/2021 18:27:05,H,0000000135ZZBE1,MET1,04/03/2021,TrgData,1 MET,I,0000000135ZZBE1,1,BP,ATH1,HHR,F,02/05/2017,02/05/2032,Y,N,,123546,35,Cheap,2 MET,M,0000000135ZZBE1,1,1123456L,L,,N,,1,,,1 MET,R,0000000135ZZBE1,1,1123456L,1,,,,,,,N, MET,M,0000000135ZZBE1,1,1123456M,M,**NHH,N,1,1**,,,3 MET,R,0000000135ZZBE1,1,1123456M,1,6,UN,24,kWh,X,C,Y, MET,R,0000000135ZZBE1,1,1123456M,2,6,CN,16,kWh,X,C,Y, MET,R,0000000135ZZBE1,1,1123456M,50,12,7304,24,kWh,X,A,N,,

HHR C&I category 2
NET 06/03/2021 16:27:05,DET,0000000136ZZ721,03/03/2021,TrgData,**NET1,NET1001**,GN,Y,L,RET1,,,0,,06/03/2021,Retailer,,,03/03/2021,TrgData,PCAT1,LFC1,,0.00,, 03/03/2021,TrgData,12,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,, RET 07/03/2021 16:27:05,DET,0000000136ZZ721,04/03/2021,TrgData,RET1,RPS,Y,N,000000,MET1,N,,,,04/03/2021,TrgData,2,, MN 07/03/2021 17:27:05,P,0000000136ZZ721,MET1,04/03/2021,A,, MET 07/03/2021 18:27:05,H,0000000136ZZ721,MET1,04/03/2021,TrgData,1 MET,I,0000000136ZZ721,1,BP,ATH1,HHR,F,02/05/2017,02/05/2032,Y,N,,123546,35,Cheap,2 MET,M,0000000136ZZ721,1,1123456L,L,,N,,1,,,1 MET,R,0000000136ZZ721,1,1123456L,1,,,,,,,N, MET,M,0000000136ZZ721,1,1123456M,M,**HHR,Y,2**,1,,,3 MET,R,0000000136ZZ721,1,1123456M,1,6,UN,24,kWh,X,C,Y,

MET,R,0000000136ZZ721,1,1123456M,2,6,CN,16,kWh,X,C,Y,
MET,R,0000000136ZZ721,1,1123456M,50,12,7304,24,kWh,X,A,N,,

HHR C&I category 3
NET 06/03/2021 16:27:05,DET,0000000137ZZB64,03/03/2021,TrgData,**NET1,NET1001**,GN,Y,L,RET1,,,0,,06/03/2021,Retailer,,,03/03/2021,TrgData,PCAT1,LFC1,,0.00,,03/03/2021,TrgData,13,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,, RET 07/03/2021 16:27:05,DET,0000000137ZZB64,04/03/2021,TrgData,RET1,RPS,Y,N,000000,MET1,N,,,,04/03/2021,TrgData,2,, MN 07/03/2021 17:27:05,P,0000000137ZZB64,MET1,04/03/2021,A,, MET 07/03/2021 18:27:05,H,0000000137ZZB64,MET1,04/03/2021,TrgData,1 MET,I,0000000137ZZB64,1,BP,ATH1,HHR,F,02/05/2017,02/05/2032,Y,N,,123546,35,Cheap,2 MET,M,0000000137ZZB64,1,1123456L,L,,N,,1,,,1 MET,R,0000000137ZZB64,1,1123456L,1,,,,,,,N, MET,M,0000000137ZZB64,1,1123456M,M,**HHR,Y,3**,1,,,3 MET,R,0000000137ZZB64,1,1123456M,1,6,UN,24,kWh,X,C,Y, MET,R,0000000137ZZB64,1,1123456M,2,6,CN,16,kWh,X,C,Y, MET,R,0000000137ZZB64,1,1123456M,50,12,7304,24,kWh,X,A,N,,

Distributed generation
NET 06/03/2021 16:27:05,DET,0000000138ZZ4BA,03/03/2021,TrgData,**NET1,NET1001**,GN,Y**,B**,RET1,,,0***,fresh water***,06/03/2021,Retailer,,,03/03/2021,TrgData,PCAT1,LFC1,,0.00,,03/03/2021,TrgData,14,2,Hunter Street,,Wellington,6143,Wellington,GIC Apartments,0,0,, RET 07/03/2021 16:27:05,DET,0000000138ZZ4BA,04/03/2021,TrgData,RET1,RPS,Y,N,000000,MET1,N,,,,04/03/2021,TrgData,2,, MN 07/03/2021 17:27:05,P,0000000138ZZ4BA,MET1,04/03/2021,A,, MET 07/03/2021 18:27:05,H,0000000138ZZ4BA,MET1,04/03/2021,Meter,1, MET,I,0000000138ZZ4BA,1,ST,ATH1,HHR,F,02/05/2017,02/05/2032,N,N,,123546,35,Cheap,4

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MET,M,0000000138ZZ4BA,1,213126968,M,HHR,N,5,1, ,,4
MET,R,0000000138ZZ4BA,1,213126968,1,7,EG,24,kWh,X,A,Y,
MET,R,0000000138ZZ4BA,1,213126968,2,7,EG,24,kVArh,X,A,Y,
MET,R,0000000138ZZ4BA,1,213126968,3,7,EG,24,kWh,I,A,Y,
MET,R,0000000138ZZ4BA,1,213126968,4,7,EG,24,kVArh,I,A,Y,
MET,M,0000000138ZZ4BA,1,97082-1,V,,N,5,300,,,0
MET,M,0000000138ZZ4BA,1,97083-1,C,,N,5,150,,,0
MET,M,0000000138ZZ4BA,1,97083-2,C,,N,5,150,,,0
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