

# Appendix C

## Electricity Information Exchange Protocols (EIEP)

EIEP14A: Retailer **product information** ~~tariff rate notification~~

~~Non-regulated (voluntary EIEP): Effective from 1 November 2016~~

**Draft Option 2 EIEP14A comparison with EIEP14 V1.0**

~~20 September 2016~~

**5 March 2026**

## Version Control

Version	Date amended	Comments
1.0	20 September 2016	Template reformatted Finalisation of file format for publication by the Authority
DRAFT.0 OPT 2	5 March 2026	Draft update following consultation with industry and interested parties Nov-Dec 2025

## Contents

<b>1. EIEP14A: Retailer product information</b>	<b>4</b>
<b>Appendix A Optional attributes list, Definitions, Protocol Specifications, ASCII character set, and text value table</b>	<b>19</b>
<b>Appendix B CSV file format examples</b>	<b>26</b>
<b>Appendix C JSON file format examples</b>	<b>31</b>

### Tables

<b>Table 1: US-ASCII character set for use within fields of EIEP 14A.....</b>	<b>23</b>
<b>Table 2: Text value table .....</b>	<b>24</b>

# 1. EIEP14A: Retailer product information tariff rate notification

<b>Title:</b>	Electricity Information Exchange Protocol 14A – Retailer <b>product information tariff rate notification</b>
<b>Version:</b>	Version 1.0-DRAFT.0 OPT 2
<b>Application:</b>	This protocol applies when a <b>person</b> <del>third party service provider</del> requests a retailer to provide its generally available tariff rates.
<b>Participants:</b>	Retailers
<b>Code reference:</b>	Clause 11.1(g) and 11.32( <del>g</del> G) of Part 11. <del>Not regulated.</del>
<b>Dependencies:</b>	This protocol should be read in conjunction with the connection data available for an ICP from the Authority's web portal.

Description of when this protocol applies
A retailer <del>must</del> use this protocol when responding to a request from <b>any person</b> <del>third party service provider</del> that requests the retailer's <b>product information, which may include information about the retailers generally available retail tariff plans, tariff plans which are no longer generally available, but which remain active, and their applicable product identification codes</b> <del>generally available tariff plans. This is a voluntary protocol.</del>

Business requirements
<ol style="list-style-type: none"> <li>1. The protocol is primarily designed to generate a <del>CSV formatted</del> <b>JSON structured object or file</b>. As an additional option, it can be used to develop an alternative file format (such as <del>CSV</del><b>JSON</b>) conveying the same content as agreed by the requesting and supplying parties.</li> <li>2. <b>Files or structures using this protocol must use the UTF-8 character encoding, and in recognition of the limitations of some legacy systems this must generally be limited to the US-ASCII subset listed in Table 1. Requesting and supplying parties may nevertheless agree to use a wider set to represent retailer brand names with macrons.</b></li> <li><del>2. The format should include a full and complete file of the retailer's generally available tariffs that are in use and comply with the attribute specifications and the protocol specifications that are set out in this protocol.</del></li> <li>3. If the retailer becomes aware of an error in the file, the retailer must advise the recipient of the error as soon as practicable after becoming aware of the error. The retailer may provide the recipient with a partial or full replacement file.</li> <li>4. A plan must include the conditions for application of the tariff rate.</li> <li>5. Where a tariff rate applies to a brand name, the brand name should be identified in the "Retailers name" field, and the parent participant identifier of the brand name should be used in the "Retailer participant identifier" field.</li> <li>6. Tariff rates included in this format must: <ol style="list-style-type: none"> <li>a. be GST exclusive</li> </ol> </li> </ol>

**Business requirements**

- b. have the effect of any discounts removed. Where a tariff rate has different discounts applicable, the tariff rate description should be have the discount condition appended to the tariff name eg “Anytime Wellington domestic direct debit”, and each different discount must be identified with a different tariff.
  - c. all components (such as separate rates, fees, levies etc) making up the plan must be included.
7. A file will consist of:
- a. an optional single header row
  - b. one or more **Retailer** customer type rows
  - c. optional additional attribute/condition named **Attribute** rows for each customer type which can be referenced by Customer Groups, Plans and Tariff Types
  - d. optional named Schedule rows which can be referenced by Tariff Types if there is a time component attached to the Tariff Type one or more plan rows for each customer row
  - e. optional additional attribute/condition rows for each plan one or more **Customer Group** rows
  - f. one or more **Plan** rows for each **Customer** Group optional rows if there is a time component attached to the rate.
  - g. one or more **Network/Distributor** rows for each plan; a row with all fields blank denotes all (other) Networks
  - h. one or more **Tariff / rate** rows for each Plan
- ~~8. Attribute codes used in this format are listed at the end of this format to describe certain characteristics that apply to the application of a retailers pricing plan. Attribute codes may be specific to “customer”, “plan” or “tariff” information. Where an attribute applies to a tariff, and an attribute code in Appendix 1 describes that attribute, the attribute code must be used. Where there is no attribute code that describes the attribute, a retailer may create an additional attribute code but:~~
- ~~a. additional attribute codes must conform to the standard naming convention detailed below~~
  - ~~b. retailers must provide a definition of what the attribute code means within 2 business days of a request from a third party service provider~~
  - ~~c. the retailer must provide the additional attribute code to the Authority within three months of its first use to update EIEP 14. The Authority will only decline to update a new code to EIEP 14 if another code for the same purpose already exists~~
  - ~~d. a retailer that uses a new code for the first time should advise the details of the new code to recipients of EIEP 14 until such time as the Authority publishes an update to EIEP 14.~~
8. Additional attribute codes must conform to the following:
- a. abbreviations should be avoided
  - b. words must be upper case separated by an underscore and should generally describe what the attribute is for
  - c. not exceed 50 characters in length
  - d. **attribute codes must start with a letter and comprise upper-case letters, digits and underscores only any ASCII characters used must comply with Table 1 ASCII character set shown in Appendix 1.**
9. In this format, the term:
- a. “trader” represents the participant that buys and sells electricity from and to the clearing manager, which may be a retailer, purchaser, or generator
  - b. “retailer” represents the participant that sells electricity to a consumer, which may be a participant that buys electricity from the clearing manager, or a participant that buys electricity from another participant.
10. In this protocol, the following definitions:
- a. **Code means the Electricity Industry Participation Code 2010**

**Business requirements**

- b. day means the measure of time for fixed daily charges
- c. kWh means kilowatt hour energy (real energy)

**Data inputs**

Retailers' **product information** ~~generally available price plans.~~

**Data outputs**

Completed notification of Retailer's product information for transmission by the retailer to the requestor.

**Specifications**

1. EIEP 14A may be used to structure:
  - a. Comma delimited text files (CSV): refer to point 2 below for restrictions.
  - b. JSON files or API responses: elements as described in this format must be used.
2. To accommodate limitations in some retailers' legacy systems and allow EIEP14 files to be transformed between JSON and CSV:
  - a. The character encoding must be UTF-8, and the character set used in files must be restricted to the US-ASCII subset shown in Appendix A Table 1, unless otherwise agreed by sender and recipient e.g. to represent macrons for retailers' brand names in te reo Māori.
  - b. CSV files should follow the conventions set out in RFC 4180 with the exception that recipients must allow line terminators conforming to the Microsoft (CR-LF), Unix/Linux (LF) or legacy Apple (CR) formats.
  - c. Senders should avoid the use of commas and double quotation marks within fields wherever possible, but if their use cannot be avoided, senders of CSV files must apply the quotation and escaping conventions described in RFC 4180 Section 2, and recipients must recognise these conventions.
3. Matching of file names, code list values, and other information must not be case sensitive.
4. If the protocol is used to structure a file:
  - a. the first record of a file must contain header information followed by three (RETAILER, PLAN, NETWORK, TARIFF, ATTRIBUTE and SCHEDULE) or more detailed lines.
  - b. The file must have a file name that complies with the following, and must have a name that is unique to the month to which the file relates:  
 Sender +  
 Utility Type (only "E" must be used) +  
 Recipient +  
 File Type (only "PRCSCHD" must be used) +  
 Report Year and Month (yyyymm) +  
 Report Run Date (yyyymmdd) +  
 UniqueID# (UUID provided in the header)  
 with an extension of .TXT and with the components concatenated using the underscore character, to assist readability.  
  
 e.g. TRUS\_E\_UNET\_PRCSCHD\_200007\_20000802\_UniqueID.TXT  
 [Char4\_Char1\_Char4\_Char7\_yyyymm\_yyyymmdd\_uuid.TXT]
5. The specification defines the following hierarchy: ~~has multiple levels, and contains optional segments to enable simplicity along with future flexibility within a csv structure.~~
  - Retailer. This level specified the retailer that offers the plans and tariffs that follow. Identifiers that link records must be unique per-retailer.
    - Attributes that relate to customers, plans or tariffs. These are collections of additional factors that define the customer, plan or tariff, referenced by a retailer-supplied identifier.
    - Schedules that relate to tariffs are a collection of timespans to which a tariff or attribute may be limited.
  - Customer type. This level specifies attributes particular to the customer class that the retailer is providing plans for.
    - Plan. A plan is a collection of Tariffs and Attributes that is offered by the retailer. Plans may be nationwide or limited to one or more Tariff Regions.
      - Network records define the combinations of distributors, network supply points and distributor's price and loss codes that apply to the following Tariffs
        - Tariff. A Tariff record provides a collection of single rates that will be applied per defined unit (i.e.. \$/kWh, \$/day, \$/month). Some of these may be meter register, timespan or metering configuration dependant.
  - ~~• Level 1 – Customer type. This level specifies attributes particular to the customer class that the retailer is providing plans for, followed by 0 or more attribute rows as applicable
 
    - ~~Attributes that relate to customers which is a collection of factors that define the customer~~~~
  - ~~• Level 2 – Plan. A plan means a collection of Tariffs and Attributes available for a particular set of conditions, (ie region, configuration, etc)
 
    - ~~Attributes that relate to the plan which are not customer related. It is a collection of factors that can additionally be applied to a plan (ie a discount, constraint filter, or extra piece of information~~~~

such as T&C text or a URL)

- ~~Level 3 – A network record providing common distributor level details that will make up a portion of the above set of conditions if applicable~~
- ~~Level 3 – A tariff record provide a collection of single rates that will be applied per defined unit (ie \$/kWh, \$/day, \$/month). Some of these may be meter register, timespan or metering configuration dependant.~~

- ~~Attributes that relate to tariffs which are not customer or plan related. It is a collection of factors that can additionally be applied to a tariff (ie requires loss adjustment)~~

~~Schedules that relate to tariffs are a collection of timespans to which a tariff or attribute may be limited.~~

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
<b>Header</b>				
A record describing the contents of a file where the protocol is used to format a file as opposed to returning an API structure. Required for CSV files only.				
Header record type	Char 3	MC	(Root)	HDR – indicates the row is a header record type.
File type	Char 7	MC	FileType	Pricing Information – PRCSCHD.
Version of EIEP	Num 3.43	MC	Version	Version of EIEP that is being used for this file.
Sender	Char 20	MC	Sender	Name of sending party. Participant identifier to be used if the sender is a participant.
Sent on behalf of	Char 4	MC	SentOnBehalfOf	Participant identifier of party on whose behalf data is provided.
Recipient	Char 4	MC	Recipient	Party code of recipient or if the same information is provided to multiple parties may be "ANY" If no party code has been assigned by the Authority leave the field blank.
Report run date & time	<del>DD/MM/YYYY</del> CHAR 30 [ISO 8601]	MC	RunDate <del>Time</del>	<del>Date the report is run</del> For a file, the date and time the report was run, or the time of the response for an API in ISO 8601 format YYYY-MM-DDTHH:MM:SS<zone-offset> - e.g. 2025-06-23T14:53:17+12
Report run Data extract date & time	HH:MM:SS	MO	Run <del>Extract</del> DateTime	<del>Time the report is run</del> If report was run from a snapshot, the date and time when the snapshot was extracted from current data.
Unique file identifier	NUM 15 Char 36 [RFC 9582]	MC	Uniquifier	<del>Reference</del> 128 bit identifier that uniquely identifies the file or API request/response. Represented as a 36 character RFC 9562 Universal Unique Identifier (UUID) e.g. a9d48b18-6b1e-439c-9d05-9b144543a96e

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
Number of detailed records <del>Where the information is provide as CSV is the number of lines in the report. Where the information is provided as JSON is the number of tariffs contained in the file.</del>	NUM 8	MC	RecordCount	Total number of <del>DEF</del> detail records in report  Where the information is provided as CSV this is the number of lines in the report. Where the information is provided as JSON this is (optionally) the number of tariffs contained in the file or object.
Utility type	Char 1	MC	UtilType	Type of energy supply, use "E" = Electricity or "G" = Gas.
File status	Char 1	MC	FileStatus	I (Initial) or R (Replacement) or X (replace only those tariffs contained in this replacement file).
<b>Retailer</b>				
This level specifies the retailer that offers the plans and tariffs that follow. Identifiers that link records (e.g. Schedule, Attribute, and Tariff identifiers) under the retailer must be unique within that retailer's records.				
Retailer record type	Char 15	M	Retailers[] (in root object)	"RETAILER" – indicates the row defines the retailer that is offering the following plans and tariffs the plan is relevant for
Trader participant identifier	Char 4	MC	TraderId	Mandatory if a participant identifier has been assigned to the trader by the Authority.  Null if the trader does not have a participant identifier.
Retailer participant identifier	Char 4	C	RetailerId	Participant identifier of the retailer assigned by the Authority to the participant that purchases electricity from the clearing manager, that is then on-sold as part of this tariff  Null if the retailer does not have a participant identifier.
Retailer name	Char 50	M	RetailerBrand Name	Brand name of retailer
<b>Attribute</b>				
An extendable list of common customer attributes that provides extra information for a Customer Type, Plan or Tariff record.  Each Attribute Record must be given a unique identifier (e.g. TARIFF_END_20260820) so that it can be referenced from multiple records.				

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
Attribute record type	Char 15	M	Attributes[] (in Retailer object)	"ATTRIBUTE" – indicates the attributes or conditions additional to rates that apply to the customer group, plan or tariff
Attribute record Identifier	Char 20	M	AttributeId	An identifier assigned by the retailer to this attribute record so that it can be referenced from multiple records without repetition.
Attribute code	Char 50	C	Attribute	The name of the attribute e.g. "ANZSIC", "KVA_MAX", "EXIT_FEE"
Date value	YYYY-MM-DD [ISO 8601]	C	DateValue	Date if attribute is dependent on a date Null if non-date attribute, e.g. "URL"
Numerical value	Num 20.8	C	NumValue	The numerical value (which may be either +ve or -ve) of the attribute e.g. "10.012345" or "10". Null if non-numerical attribute, e.g. "URL"
Text value	Char 50	C	TextValue	If the Attribute is numeric, the unit of the attribute e.g. "%", "\$"; otherwise a structured text value e.g. "ANZSIC"
Description	Char 1000	C	Description	Unstructured text value or description of the rules of the attribute eg "Applicable if paid within 10 business days".
<p><b>Schedule</b></p> <p>A Schedule record defines the period (months, days, hours) when a tariff is available.</p> <p>Each Schedule Record must be given a unique identifier (e.g. WINTER_MONTHS, BUSINESS_DAYS_OFFPEAK ) so that it can be referenced from multiple records.</p> <p>If no schedule record is referenced by a tariff, then applicable period assumed to be available 24x7x365.</p> <p>If there are multiple active periods associated with a tariff rate, then multiple Schedule records must be referenced so that:</p> <p>a) there is no more than one on and off period per schedule record</p> <p>b) an active period cannot span midnight; if it does, two schedule records must be used:</p> <p style="padding-left: 40px;">eg Off peak: 00:00-06:00 and 22:00-24:00</p>				
Schedule record type	Char 15	M	Schedules[] (in Retailer object)	"SCHEDULE" – indicates the schedule(s) for which a tariff rate applies
Schedule Identifier	Char 20	M	ScheduleId	An identifier assigned by the retailer to this schedule record so that it can be referenced from multiple tariff types without repetition.
Daylight savings adjustment	Char 1	C	DaylightSavings	Flag indicating the treatment of daylight savings - mandatory if the schedule includes Start/End times:  1 – times are interpreted as UTC+13 when daylight savings is in operation and UTC+12 otherwise  2 – times are always interpreted as UTC+12

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
Start time	HH:MM	C	StartTime	Start time that the tariff is active for during a day expressed as: a) If all day, Null, or 00.00 If part of a day, the start time.
End time	HH:MM	C	EndTime	The end time that the tariff is active for during a day expressed as: a) If all day, Null, or 24.00 If part of a day, the end time.
Day type	Char 50	M	DayType	The day type that a tariff applies for ANY/Null – no set day type BD – national business day NBD – national non business day WD – weekday WE – weekend LBD – local business day LNBD – local non business day declared in the network tariff structure SBD – special business day declared in the network tariff structure SPNBD – special non business day declared in the network tariff structure Or any combination of days expressed as the first three letters of a day name separated by a space.
Month	Char 50	M	Month	Month of year that tariff type applies to. ANY/Null or if it applies to selected months, the name of the months that the rate applies to expressed as the first three letters of a month separated by a space
<b>Customer Type</b> This record specifies attributes particular to the customer class that the retailer is providing plans for				
Customer record type	Char 15	M	CustomerGroups[] (in Retailer object)	Must be "CUSTOMER"
Customer text	Char 1000	C	CustomerGroup	Text value or description of the rules for allocation to customers. Null if there are no rules
<b>Customer attributes</b> An extendable list of common customer attributes that is common to a CUSTOMER TYPE				
Attribute record type Identifiers	Char 15 256	MC	AttributeIds[]	"ATTRIBUTE" – indicates the attributes additional to rates that apply to the plan A list of Attribute record identifiers that extend or qualify the customer group record and all of the plan records it contains. This is JSON list or space-separate list in CSV (note that identifiers must not contain spaces).

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
Attribute code	Char 50	€	Attribute	The name of the attribute eg "ANZSIC"
Numerical value	Num 20.6	€	NumValue	The numerical value (which may be either +ve or -ve) of the attribute eg "10.012345" or "10". Null if non-numerical attribute, ie "URL"
Text value	Char 50	€	TextValue	The unit of the attribute eg "%", "\$". Null if non-numerical attribute, ie "ANZSIC"
Description	Char 1000	€	Description	Text value or description of the rules of the attribute eg "Applies only to domestic customers with red roofs" Null if there is no attribute
<b>Plan</b> A plan is a collection of Tariffs and Attributes that is offered by the retailer. Plans may be nationwide or limited to one or more Networks.				
Plan record type	Char 15	M	Plans[] (in CustomerGroup object)	"PLAN" – indicates the row defines the retailer that the tariff rate is relevant for is a tariff plan record.
Retailer plan Product Identification code	Char 50 <sup>32</sup>	QM	PlanId	A plan code assigned by a retailer that is unique across all retailers' plans. In accordance with the Electricity Participation Industry Code 2010 product identification code means the unique code assigned by a retailer in accordance with clause 11.32AA to certain of its retail tariff plans.  11.32AA provides that each retailer must apply a unique product identification code to each of its retail tariff plans that come within clause 11.32G(1).
Retailer's plan description	Char 50	M	Description	A plan description assigned by a retailer that is unique to the plan across all retailers' plans.
Start date of plan	DD/MM/YYYY MM-DD [ISO 8601]	C	StartDate	The future start date of the new tariff rate Null if the start date is in the past
End date of plan	DD/MM/YYYY MM-DD [ISO 8601]	C	EndDate	The future end date of the tariff rate if it is known. Null if there is no end date
Close date	DD/MM/YYYY MM-DD [ISO 8601]	C	CloseDate	The final date a customer can be signed up to the plan (no new customers after this date). Null if there is no close date

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
Low Fixed Charge	Char 1	M	LowFixedCharge	'Y' if provided as low fixed charge plan under the "Electricity (Low Fixed Charge Tariff Option for Domestic Consumers) Regulations 2004" otherwise "N"
<p><b>Plan attributes-</b> An extendable list of common attributes, eligibility criteria, pricing conditions, additional information etc that is common to a PLAN.</p>				
Attribute record type Identifiers	Char 45256	MC	AttributeIds[]	"ATTRIBUTE" – indicates the attributes additional to rates that apply to the plan. A list of Attribute record identifiers that extend or qualify the plan record. This is a JSON list or space-separate list in CSV (note that identifiers must not contain spaces).
Attribute code	Char 50	C	Attribute	The name of the attribute eg "DISCOUNT_PROMPT_PAYMENT", "EXIT_FEE", "KVA_MAX", "URL"
Numerical value	Num 20,6	C	NumValue	The numerical value (which may be either +ve or -ve) of the attribute eg "10.012345" or "10". Null if non-numerical attribute, ie "URL"
Text value	Char 2550	C	TextValue	The unit of the attribute eg "%", "\$". Null if non-numerical attribute, ie "URL"
Description	Char 1000	C	Description	Text value or description of the rules of the attribute eg "Applicable if paid within 10 business days" Null if there is no attribute
<p><b>Network</b> This record identifies the a network that where the tariff rates following the plan applies to. Where a plan applies to more than one network record are available., there should be a network row provided for each network A Network record containing all blank fields can be used to signify that the following Tariff records apply to all Networks excluding any Networks listed explicitly under the Plan.</p>				
Network record type	Char 15	M	Networks[] (in Plan object)	"NETWORK" – defines the network that in which the a set of tariff rates apply plan is relevant to.
Distributor participant identifier	Char 4	C	Network	Details of the distributor's network (are obtainable for an ICP from the registry web portal) that the plan is applicable for. A null value (or omitted element in JSON) denotes all Networks not explicitly included in the plan.

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
NSP	Char 200	C	NSP[]	Network supply point where a tariff rates <del>is</del> <b>are</b> specific to 1 or more NSPs e.g. CPK0331CKHK.  <b>Represented as a list of strings in JSON.</b> Separate NSPs with a space <b>in CSV format</b> where there are multiple NSPs. Mandatory if the tariff rates <del>are</del> <b>are</b> applicable to a <del>subset of</del> <b>subset of</b> NSPs. Null if not applicable
Distributor price category code	Char 200	C	DistributorPrice Category[]	Price category code where a tariff rates <del>is</del> <b>are</b> specific to 1 or more NSPs e.g. CPK0331CKHK.  <b>Represented as a list of strings in JSON.</b> Separate NSPs with a space <b>in CSV format</b> where there are multiple NSPs. Mandatory if the tariff rates <del>are</del> <b>are</b> applicable to a <del>subset of</del> <b>subset of</b> NSPs. Null if not applicable
Distributor loss category code	Char 50	C	DistributorLossCategory[]	Loss category code where a tariff rates <del>is</del> <b>are</b> specific to 1 or more NSPs e.g. CPK0331CKHK.  <b>Represented as a list of strings in JSON.</b> Separate NSPs with a space <b>in CSV format</b> where there are multiple NSPs. Mandatory if the tariff rates <del>are</del> <b>are</b> applicable to a <del>subset of</del> <b>subset of</b> NSPs. Null if not applicable
<b>Tariff</b>				
A Tariff record provides a collection of single rates that will be applied per defined unit (ie \$/kWh, \$/day, \$/month). Some of these may be meter register, timespan or metering configuration dependant.				
Tariff record type	Char 15	M	Tariffs[] (in Network object)	"TARIFF" – defines the <del>eligible rates</del> <b>common parameters</b> for the <del>plan</del> <b>Tariff records</b> .
Retailer's tariff identifier	Char 50	<del>C</del>	Tariff	A retailer identifier description or code assigned by a retailer that is unique to the tariff rate  Mandatory if tariff identifier used in published information
Tariff name	Char 50	M	Description	The name of this component used by the retailer and that appears on the customers invoice eg "Domestic low fixed charge under 15kVA", "Electricity Authority levy" not necessarily tied to a meter register

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
Fixed / Variable	Char 1	M	FixedVariable	Identifies a data row as either  "V" for variable where the rate applies to a variable and measured electricity quantity such as volume or demand or in all other cases  "F" for fixed
Tariff rate	Num 6.6	M	Rate	The specific tariff rate in either  a) where unit type is spot + %, % of cost. In all other cases b) dollars per unit type
Unit type	Char 25	C	Unit	The type of unit to which the tariff rate applies as per text value type table.
Flow direction indicator	Char 1	C	FlowDirection	For energy tariff components only, the flow direction that the plan is eligible for  X – Consumption only  I – Generation only  B – Both
Register content code	Char 6	C	RegisterContentCode	Identifies the register content of a meter register to be eligible for the tariff rate.  <del>a) for fixed charges code is "Fixed" or</del> a) for all electricity conveyed charges ie (e.g EA levy, meter lease charges) "Null" or in all other cases...  b) for electricity delivered rate tariff components, as set out in SD-020 of the registry functional specification
Period of availability	Num 2.1	C	PeriodOfAvailability	Identifies the period of availability of a meter register to be eligible for the tariff rate.  Null if not applicable.
<b>Tariff attributes</b> An extendable list of common attributes, eligibility criteria, pricing conditions, additional information, etc that is common to a tariff				
Attribute record type	Char 15	M	Attributes[]	<del>"ATTRIBUTE"</del> — indicates the attributes additional to rates that apply to the plan
Attribute code	Char 50	C	Attribute	The name of the attribute eg "FIXED_TERM_PERIOD"
Date value	DD/MM/YYYY	C	DateValue	Date if attribute is dependent on a date  Null if non-date attribute, ie "URL"

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
Numerical value	Num-20.6	€	NumValue	The numerical value (which may be either +ve or -ve) of the attribute eg "10.012345" or "10". Null if non-numerical attribute, ie "URL"
Text value	Char-2550	€	TextValue	Eg The unit in which data is supplied as per text value type table. Null if non-numerical attribute, ie "URL"
Description	Char-1000	€	Description	Text value or description of the rules of the attribute eg "Applicable if paid within 10 business days" or "Network or transmission losses are not included in costs" Null if there is no attribute
<p><b>Schedule</b></p> <p><i>If no schedule record, then applicable period assumed to be available 24x7x365</i></p> <p><i>If there are multiple active periods associated with a tariff rate, then multiple rows as required so that</i></p> <p><i>a) — there is no more than one on and off period per row</i></p> <p><i>b) — an active period cannot span midnight, if it does two rows should be used.</i></p> <p><i>Is Off peak:</i> 00:00-06:00, and, 22:00-24:00</p>				
Schedule record type	Char-15	M	Schedules[]	"SCHEDULE" — indicates the schedule(s) for which a tariff rate applies
Daylight savings adjustment	Char-1	€	DaylightSavings	Indicator that the time periods during the period of daylight saving -1 — are adjusted to daylight saving time (NZDT), or -2 — remain as standard time (NZST)
Start time	HH:MM	€	StartTime	Start time that the tariff is active for during a day expressed as a) — If all day, Null, or 00:00 If part of a day the start time.
End time	HH:MM	€	EndTime	the end time that the tariff is active for during a day expressed as a) — If all day, Null, or 24:00 If part of a day the end time.
Schedule record type	Char-15	M	Schedules[]	"SCHEDULE" — indicates the schedule(s) for which a tariff rate applies

Event data Field	Format	Retailer to Agent	JSON element/attribute	Validation rules
Day type Schedule Identifiers	Char 50256	MC	DayTypeScheduleIds[]	<p>The day type that a tariff applies for</p> <p>ANY/Null — no set day type</p> <p>BD — national business day</p> <p>NBD — national non business day</p> <p>WD — weekday</p> <p>WE — weekend</p> <p>LBD — local business day</p> <p>LNBD — local non business day declared in the network tariff structure</p> <p>SBD — special business day declared in the network tariff structure</p> <p>SPNBD — special non business day declared in the network tariff structure</p> <p>Or any combination of days expressed as the first three letters of a day name separated by a space.</p> <p>A list of Schedule record identifiers that determine the times of day, week and/or year when the rate is available. This is JSON list or space-separate list in CSV (note that identifiers must not contain spaces).</p>
Month Attribute Identifiers	Char 50256	MC	AttributeIds[]	<p>Month of year that tariff rate applies to. ANY/Null or if it applies to selected months, the name of the months that the rate applies to expressed as the first three letters of a month separated by a space. A list of Attribute record identifiers that extend or qualify the Tariff record. This is JSON list or space-separate list in CSV (note that identifiers must not contain spaces).</p>

#### Data outputs

Completed notification of Retailer's product information for transmission by the retailer to the requestor.

## Appendix A Optional attributes list, Definitions, Protocol Specifications, ASCII character set, and text value table

### A.1. Optional attributes list: to be confirmed and extended over time

Code	Where attributes used			Values/Description
	Customer	Plan	Tariff	
ANZSIC	✓			<p>The customer's type that the tariff applies to</p> <p>1 – domestic residential only</p> <p>2 – domestic non-residential (ie holiday) only</p> <p>3 – retail only</p> <p>4 – commercial only</p> <p>5 – industrial only</p> <p>or</p> <p>Valid codes separated by a space, from a list of Australian and New Zealand Standard Industrial Classification codes stored in the registry reference tables with an additional code 000000 to indicate a residential customer.</p> <p>Mandatory if eligibility applies. Assumed 000000 if not.</p>
BATTERY_STORAGE_PLAN		✓		Plan intended for a customer with local battery storage capacity.
BUNDLED_GAS	✓	✓	✓	Indicates that the tariff is only available bundled with gas
BUNDLED_OTHER	✓	✓	✓	<p>Use the free text field to describe the bundling requirements</p> <p>As necessary, other codes may be approved by the Authority and appended to this document</p>
CLAW BACK		✓		Claw back of a joining bonus or other benefit should the contract period be broken
CREDIT_CARD_ALLOWED	✓	✓		The plan supports payment by credit card
CREDIT_CARD_FEE	✓	✓		Fee (fixed or %) charged for a credit card payment, if any.
CREDIT_CHECK	✓	✓		Indicates that a satisfactory credit check is necessary for eligibility

DISCONNECTION_FEE_NON_PAYMENT	✓	✓		Fee for disconnection for non-payment.
DISCONNECTION_FEE_VOLUNTARY	✓	✓		Fee for customer-requested disconnection.
DISCOUNT_PROMPT_PAYMENT	✓	✓		Discount for prompt payment
DISCOUNT_PAYMENT_CUSTOMER_INITIATED	✓	✓		Discount for customer-initiated automatic payment (Direct Credit)
DISCOUNT_PAYMENT_RETAILER_INITIATED	✓	✓		Discount for retailer-initiated automatic payment (Direct Debit)
DISCOUNT_OTHER	✓	✓	✓	
DISCOUNT_ELECTRONIC_BILL	✓	✓		Discount for electronic billing
EXIT_FEE	✓	✓		Break fee
ELECTRIC_VEHICLE_PLAN		✓		Plan intended for an electric vehicle user.
ELECTRONIC_BILL_ONLY	✓	✓		Paper billing is not supported
FIXED_TERM_DATE		✓	✓	Date at which a fixed term for a tariff begins
FIXED_TERM_PERIOD		✓	✓	Duration of a fixed term
FIXED_PRICE_DURING THE TERM		✓	✓	Designates a fixed price guarantee during the term
FREE_HOURS_PER_MONTH	✓	✓		The plan includes a specified number of free hours per month
FREE_HOURS_PERCENT_USAGE	✓	✓		The plan includes a specified number of free hours based on dollars spent or kWh used
FUSE_SIZE_MIN		✓	✓	
FUSE_SIZE_MAX		✓	✓	

KWH_MIN		✓	✓	Minimum monthly consumption to be eligible for a plan, or lower band threshold for a banded tariff (where permitted).
KWH_MAX		✓	✓	Maximum monthly consumption to be eligible for a plan, or upper band threshold for a banded tariff (where permitted).
KVA_MAX		✓	✓	
KVA_MIN		✓	✓	
LATE_PAYMENT_FEE	✓	✓		
LOSS_ADJUSTMENT		✓	✓	Indicator that electricity tariff rates are loss exclusive, and local and/or embedded network losses must be applied to either the electricity volume, demand or tariff rates  1 = losses are included in the tariff rates 2 = losses are excluded from the tariff rates
METER_TYPE_AMI	✓	✓	✓	The plan is only eligible for ICPs with an AMI meter and operating two-way communications
METER_TYPE_C_AND_I	✓	✓	✓	The plan is only eligible for ICPs with an HHR C&I time of use meter
METER_TYPE_NHH	✓	✓	✓	The plan is only eligible for ICPs with NHH meter registers that are not prepay
METER_TYPE_PP	✓	✓	✓	The plan is only eligible for ICPs with prepay meter registers
MULTIPLE_TRADERS_ALLOWED		✓	✓	Compatible with Multiple Trader Relationships
OTHER_GENERATION_PLAN		✓		Plan intended for non-solar generation (e.g. wind)
PAPER_BILL_FEE	✓	✓		Fee for a paper bill
PHASES		✓	✓	The number of phases that the plan is eligible for apply for which may be  1 – single phase 2 – two phase 3 – three phase 4 – any number of phases

PREPAID_ONLY	✓	✓	✓	Indicates plans or tariffs that are only available if prepaid. For Tariff, this may be combined with limited availability periods and consumption limits to achieve a "Pack" representation.
GENERATION_ONLY		✓		Indicated plan included electricity generation (flow direction "I tariffs only)
REPRESENTATIVE_TARIFFS		✓	✓	Indicates basis of tariff structure. 1 – Tariffs are fixed rates 2 – Tariffs are a mix of variable rates over and above spot rates. (i.e. Flick) 3 – Tariffs are variable rates that are over and above spot rates but with a fixed volume hedge 4 – Tariffs are unknown/estimated for a period, (ie Powershop)
SIGNON_FEE	✓	✓		Entrance fee
SIGNON_BOND	✓	✓		Bond requirements
SIGNON_BONUS	✓	✓		Sign on credit/value/bonus
SOLAR_GENERATION_PLAN		✓		Plan intended for a customer with solar generation.
SURCHARGE	✓	✓		Applies to certain types of payments
TARIFF_START_DATE			✓	Date when the tariff rate came or will come into effect
TARIFF_END_DATE			✓	Date after which the tariff rate was or will be superseded
TARIFF_CLOSE_DATE			✓	Date after which the tariff will no longer be offered if subject to FIXED_PRICE_DURING_THE_TERM
TERMS_AND_CONDITIONS	✓	✓	✓	Additional terms and conditions, free text
URL		✓	✓	Web link for more information, free text

**Protocol specifications**

1. ~~Where the file is delivered as a:
 
  - a. ~~Comma delimited text file. Commas must not be used within fields. If portions of a field require separation, a tilde character (~) must be used. If commas need to be used in the fields, quotation marks must be used to exclude them as separators, as per the DOS GSV format.~~
  - b. ~~JSON file. JSON element attributes as schedule in this format must be used.~~~~
2. ~~Matching of file names, code list values, and other information must not be case sensitive.~~
3. ~~The file must contain one header.~~
4. ~~The first record of a file must contain header information followed by three (RETAILER, PLAN, NETWORK, TARIFF, ATTRIBUTE and SCHEDULE) or more detailed lines.~~
5. ~~The file must have a file name that complies with the following, and must have a name that is unique to the month to which the file relates:~~

~~Sender + Utility Type (only "E" must be used) + Recipient + File Type (only "PRCSCHD" must be used) + Report Year and Month (yyyymm) + Report Run Date (yyyymmdd) + UniqueID# (e.g. hhmm run time, or ICP but limited to Char(60)) with an extension of .TXT and with the components concatenated using the underscore character, to assist readability.~~

~~e.g. TRUS\_E\_UNET\_PRCSCHD\_200007\_20000802\_UniqueID.TXT~~

~~{Char4\_Char1\_Char4\_Char7\_yyyyymm\_yyyymmdd\_Char60.TXT}~~

**Data outputs**

~~Completed notification of generally available tariffs for transmission by the retailer to the requestor.~~

**Definitions**

1. ~~In this protocol, the following definitions apply:
 
  - a. ~~Code means the Electricity Industry Participation Code 2010~~
  - b. ~~day means the measure of time for fixed daily charges~~
  - c. ~~kWh means kilo-watt hour energy (real energy).~~~~
2. ~~Unless the context otherwise requires, any term that is defined in the Code and used in this protocol has the same meaning as in the Code.~~

~~a.~~

## A.2. Character set (refer Specifications paragraphs 2.a and 2.c)

**Table 1: US-ASCII character set for use within fields of EIEP 14A**

Character	ASCII	Character	ASCII	Character	ASCII
32	Space	64	@	97	a
33	!	65	A	98	b
34	"	66	B	99	c
35	#	67	C	100	d
36	\$	68	D	101	e
37	%	69	E	102	f
38	&	70	F	103	g
39	'	71	G	104	h

40	(	72	H	105	i
41	)	73	I	106	j
42	*	74	J	107	k
43	+	75	K	108	l
44	,	76	L	109	m
45	-	77	M	110	n
46	.	79	O	112	p
47	/	80	P	113	q
48	0	81	Q	114	r
49	1	82	R	115	s
50	2	83	S	116	t
51	3	84	T	117	u
52	4	85	U	118	v
53	5	86	V	119	w
54	6	87	W	120	x
55	7	88	X	121	y
56	8	89	Y	122	z
57	9	90	Z	123	{
58	:	91	[	124	
59	;	92	\	125	}
60	<	93	]	126	~
61	=	94	^		
62	>	95	_		
63	?	96	`		

### A.3. Table 2 Text value table.

**Table 2: Text value table**

Unit	Description
Day	Period measured in days
Week	Period measured in weeks
Month	Period measured in months
kWh	kilowatt hour energy (real energy)
kW	kilowatt demand (real power)
kVAh	kilovolt ampere hour energy (apparent energy)
kVA	kilovolt ampere demand (apparent power)
kVArh	kilovolt ampere reactive hour energy (reactive energy)
kVAr	kilovolt ampere reactive demand (reactive power)
kVAkm	kilovolt ampere multiplied by kilometres
Day	Measure of time for fixed daily charges
PF	Power factor
Equipment	Fixed charges for specific equipment (eg transformers)

Unit	Description
Note: This list is not exhaustive, alternative units and descriptions may be used if contained in the distributors price schedule.	

## Appendix B CSV file format examples

### Example 1

Simple example available to the entire Wellington (CKHK) region from 'A Simple Retailer Ltd'.

- a) Two basic plans, (LFC and SFC both covering IN, CN and UN tariffs) for domestic consumers

```
HDR,PRCSCHD,1,ASRL,ASRL,ANY,23/05/2016,01:23:45,12345,15,1
RETAILER,ASRL,ASRL,Simple Retailer Ltd
CUSTOMER,General domestic
ATTRIBUTE,ANZSIC,,,0000000
PLAN,PRSU,Residential - standard user,,,,N
NETWORK,CKHK,,RSU,
TARIFF,RSU-FIXED,Daily supply charge,F,2.1560,Day,B,Fixed,
TARRIF,RSU-24UN,Anytime,V,0.1937,kWh,X,UN,24
TARRIF,RSU-AICO,All inclusive,V,0.1737,kWh,X,IN,17
TARRIF,RLU-CTRL,Controlled - hot water,V,0.1537, kWh,X,CN,19
PLAN,PRLU,Residential - low user,,,,Y
NETWORK,CKHK,,RLU,
TARIFF,RLU-FIXED,Daily supply charge,F,0.3333,Day,B,Fixed,
TARRIF,RLU-24UN,Anytime,V,0.2768,kWh,X,UN,24
TARRIF,RLU-AICO,All inclusive,V,0.2568,kWh,X,IN,17
TARRIF,RLU-CTRL,Controlled - hot water,V,0.2368, kWh,X,CN,19
```

```
HDR,PRCSCHD,2.005,ASRL,ASRL,ANY,,2016-05-22T12:23:45+12,c7d90f3a-d62b-4923-95c4-4aef120d831e,16,E,I
RETAILER,ASRL,ASRL,Simple Retailer Ltd
ATTRIBUTE,AT_anzsic_000000,ANZSIC,,,000000,
CUSTOMER,General domestic,AT_anzsic_000000
PLAN,PRSU,Residential - standard user,,,,N,
NETWORK,CKHK,,RSU,
TARIFF,RSU-FIXED,Daily supply charge,F,2.1560,Day,B,,,,
TARIFF,RSU-24UN,Anytime,V,0.1937,kWh,X,UN,24,,
TARIFF,RSU-AICO,All inclusive,V,0.1737,kWh,X,IN,17,,
TARIFF,RLU-CTRL,Controlled - hot water,V,0.1537,kWh,X,CN,19,,
PLAN,PRLU,Residential - low user,,,,Y,
NETWORK,CKHK,,RLU,
TARIFF,RLU-FIXED,Daily supply charge,F,0.3333,Day,B,,,,
TARIFF,RLU-24UN,Anytime,V,0.2768,kWh,X,UN,24,,
TARIFF,RLU-AICO,All inclusive,V,0.2568,kWh,X,IN,17,,
TARIFF,RLU-CTRL-1,Controlled - hot water,V,0.2368,kWh,X,CN,19,,
```

**Example 2**

Simple seasonal (summer/winter) example available to the entire Wellington (CKHK) region from 'A Simple Retailer Ltd'.

- a) Two basic (seasonal) plans, (LFC and SFC both covering IN, CN and UN tariffs) for domestic consumers

```
HDR,PRCSCHD,1,ASRL,ASRL,ANY,23/05/2016,01:23:45,12345,15,1
RETAILER,ASRL,ASRL,Simple Retailer Ltd
CUSTOMER,General domestic
ATTRIBUTE,ANZSIC,,,0000000
PLAN,PRSU,Residential – seasonal standard user,,,N
NETWORK,CKHK,,RSU,
TARIFF,RSU-FIXED,Daily supply charge,F,2.1560,Day,B,Fixed,
TARRIF,RSU-24UN,Anytime (summer),V,0.1837,kWh,X,UN,24
SCHEDULE,NZDT,,,,JAN FEB MAR APR OCT NOV DEC,
TARRIF,RSU-24UN,Anytime (winter),V,0.2037,kWh,X,UN,24
SCHEDULE,NZDT,,,,APR MAY JUN JUL AUG SEP,
TARRIF,RSU-AICO,All inclusive (summer),V,0.1637,kWh,X,IN,17
SCHEDULE,NZDT,,,,JAN FEB MAR APR OCT NOV DEC,
TARRIF,RSU-AICO,All inclusive (winter),V,0.1837,kWh,X,IN,17
SCHEDULE,NZDT,,,,APR MAY JUN JUL AUG SEP,
TARRIF,RLU-CTRL,Controlled – hot water (summer),V,0.1437, kWh,X,CN,19
SCHEDULE,NZDT,,,,JAN FEB MAR APR OCT NOV DEC,
TARRIF,RLU-CTRL,Controlled – hot water (winter),V,0.1637, kWh,X,CN,19
SCHEDULE,NZDT,,,,APR MAY JUN JUL AUG SEP,
PLAN,PRLU,Residential – seasonal low user,,,Y
NETWORK, CKHK,,RLU,
TARIFF,RLU-FIXED,Daily supply charge (low user),F,0.3333,Day,B,Fixed,
TARRIF,RLU-24UN,Anytime (low user – summer),V,0.2668,kWh,X,UN,24
SCHEDULE,NZDT,,,,JAN FEB MAR APR OCT NOV DEC,
TARRIF,RLU-24UN,Anytime (low user – winter),V,0.2868,kWh,X,UN,24
SCHEDULE,NZDT,,,,APR MAY JUN JUL AUG SEP,
TARRIF,RLU-AICO,All inclusive (low user – summer),V,0.2468,kWh,X,IN,17
SCHEDULE,NZDT,,,,JAN FEB MAR APR OCT NOV DEC,
TARRIF,RLU-AICO,All inclusive (low user – winter),V,0.2668,kWh,X,IN,17
SCHEDULE,NZDT,,,,APR MAY JUN JUL AUG SEP,
TARRIF,RLU-CTRL,Controlled – hot water (low user – summer),V,0.2268, kWh,X,CN,19
SCHEDULE,NZDT,,,,JAN FEB MAR APR OCT NOV DEC,
TARRIF,RLU-CTRL,Controlled – hot water (low user – winter),V,0.2468, kWh,X,CN,19
SCHEDULE,NZDT,,,,APR MAY JUN JUL AUG SEP,
```

```
HDR,PRCSCHD,2.005,ASRL,ASRL,ANY,2016-05-22T12:23:45+12,,c7d90f3a-d62b-4923-95c4-4aef120d831e,24,E,I
RETAILER,ASRL,ASRL,Simple Retailer Ltd
ATTRIBUTE,AT_anzsic_000000,ANZSIC,,,000000,
SCHEDULE,SC_summer,1,,,,JAN FEB MAR OCT NOV DEC
SCHEDULE,SC_winter,1,,,,APR MAY JUN JUL AUG SEP
CUSTOMER,General domestic,AT_anzsic_000000
PLAN,PRSU,Residential - seasonal standard user,,,N,
NETWORK,CKHK,,RSU,
TARIFF,RSU-FIXED,Daily supply charge,F,2.1560,Day,B,,,,
TARIFF,RSU-24UN-S,Anytime (summer),V,0.1837,kWh,X,UN,24,SC_summer,
TARIFF,RSU-24UN-W,Anytime (winter),V,0.2037,kWh,X,UN,24,SC_winter,
TARIFF,RSU-AICO-S,All inclusive (summer),V,0.1637,kWh,X,IN,17,SC_summer,
TARIFF,RSU-AICO-W,All inclusive (winter),V,0.1837,kWh,X,IN,17,SC_winter,
TARIFF,RSU-CTRL-S,Controlled - hot water (summer),V,0.1437,kWh,X,CN,19,SC_summer,
TARIFF,RSU-CTRL-W,Controlled - hot water (winter),V,0.1637,kWh,X,CN,19,SC_winter,
PLAN,PRLU,Residential - seasonal low user,,,Y,
NETWORK,CKHK,,RLU,
TARIFF,RLU-FIXED,Daily supply charge (low user),F,0.3333,Day,B,,,,
TARIFF,RLU-24UN-S,Anytime (low user - summer),V,0.2668,kWh,X,UN,24,SC_summer,
TARIFF,RLU-24UN-W,Anytime (low user - winter),V,0.2868,kWh,X,UN,24,SC_winter,
TARIFF,RLU-AICO-S,All inclusive (low user - summer),V,0.2468,kWh,X,IN,17,SC_summer,
TARIFF,RLU-AICO-W,All inclusive (low user - winter),V,0.2668,kWh,X,IN,17,SC_winter,
TARIFF,RLU-CTRL-S,Controlled - hot water (low user - summer),V,0.2268,kWh,X,CN,19,SC_summer,
TARIFF,RLU-CTRL-W,Controlled - hot water (low user - winter),V,0.2468,kWh,X,CN,19,SC_winter,
```

**Example 3**

Simple example available to a subset of the Wellington (CKHK) region from 'A Simple Retailer Ltd'.

- a) Two basic plans, (LFC and SFC both covering available distribution tariffs ie IN, CN, UN, Day/Night and EV) for domestic consumers. The rates come into effect 1 April 2016, and will not be offered to new customers after 30 June 2016. The plan offers a 10% discount for prompt payment, and a further 2% discount for a direct debit payment.
- b) They are further limited to a region (Three central city NSPs) and Distributor Price Categories, (separate sets for LFC and SFC as tends to be the case in Wellington)
- c) Schedules are provided for the EV tariffs

```
HDR,PRCSCHD,1,ASRL,ASRL,ANY,23/05/2016,01:23:45,12345,25,t
RETAILER,ASRL,ASRL,Simple Retailer Ltd
CUSTOMER,General domestic
ATTRIBUTE,ANZSIC,,,0000000
ATTRIBUTE,DISCOUNT_PROMPT_PAYMENT,10,%,
ATTRIBUTE,DISCOUNT_PAYMENT_RETAILER_INITIATED,2,%,
PLAN,PRSU,Residential - standard user,01/04/2016,,30/06/2016,N
NETWORK,CKHK,WIL0331CKHK-CPK0331CKHK-CPK0111CKHK,RSU,LCC1
TARIFF,RSU-FIXED,Daily supply charge,F,2.1560,Day,B,Fixed,
TARRIF,RSU-24UN,Anytime,V,0.1937,kWh,X,UN,24
TARRIF,RSU-AICO,All inclusive,V,0.1737,kWh,X,IN,17
TARRIF,RLU-CTRL,Controlled - hot water,V,0.1537, kWh,X,CN,19
TARRIF,RSU-16D,Daytime,V,0.1937,kWh,X,D,16
TARRIF,RSU-NITE,Night only,V,0.1337, kWh,X,N,8
TARRIF,RSU-EVNITE,Electric vehicle - night only,V,0.1337,kWh,X,UN,10
SCHEDULE,NZDT,21:00,24:00,,,
SCHEDULE,NZDT,00:00,07:00,,,
PLAN,PRLU,Residential - low user,01/04/2016,,30/06/2016,Y
NETWORK,CKHK,WIL0331CKHK-CPK0331CKHK-CPK0111CKHK,RLU,LCC1
TARIFF,RLU-FIXED,Daily supply charge,F,0.3333,Day,B,Fixed,
TARRIF,RLU-24UN,Anytime,V,0.2768,kWh,X,UN,24
TARRIF,RLU-AICO,All inclusive,V,0.2568,kWh,X,IN,17
TARRIF,RLU-CTRL,Controlled - hot water,V,0.2368, kWh,X,CN,19
TARRIF,RLU-16D,Daytime,V,0.2768,kWh,X,D,16
TARRIF,RLU-NITE,Night only,V,0.2368, kWh,X,N,8
TARRIF,RLU-EVNITE,Electric vehicle - night only,V,0.2368,kWh,X,UN,10
SCHEDULE,NZDT,21:00,24:00,,,
SCHEDULE,NZDT,00:00,07:00,,,
```

```
HDR,PRCSCHD,2.005,ASRL,ASRL,ANY,2016-05-22T12:23:45+12,,c7d90f3a-d62b-4923-95c4-4aef120d831e,26,E,I
RETAILER,ASRL,ASRL,Simple Retailer Ltd
ATTRIBUTE,AT_anzsic_000000,ANZSIC,,,000000,
ATTRIBUTE,AT_Disc_PP_10,DISCOUNT_PROMPT_PAYMENT,,10,%,
ATTRIBUTE,AT_Disc_PRI_2,DISCOUNT_PAYMENT_RETAILER_INITIATED,,2,%,
SCHEDULE,SC_h21_24,1,21:00,24:00,,
SCHEDULE,SC_h00_07,1,00:00,07:00,,
CUSTOMER,General domestic,AT_Disc_PP_10 AT_Disc_PRI_2 AT_anzsic_000000
PLAN,PRSU,Residential - standard user,2016-04-01,,2016-06-30,N,
NETWORK,CKHK,WIL0331CKHK-CPK0331CKHK-CPK0111CKHK,RSU,LCC1
TARIFF,RSU-FIXED,Daily supply charge,F,2.156,Day,B,Fixed,,,
TARIFF,RSU-24UN,Anytime,V,0.1937,kWh,X,UN,24,,
TARIFF,RSU-AICO,All inclusive,V,0.1737,kWh,X,IN,17,,
TARIFF,RSU-CTRL,Controlled - hot water,V,0.1537,kWh,X,CN,19,,
TARIFF,RSU-16D,Daytime,V,0.1937,kWh,X,D,16,,
TARIFF,RSU-NITE,Night only,V,0.1337,kWh,X,N,8,,
TARIFF,RSU-EVNITE,Electric vehicle - night only,V,0.1337,kWh,X,UN,10,SC_h00_07 SC_h21_24,
PLAN,PRLU,Residential - low user, 2016-04-01,,2016-06-30,Y,
NETWORK,CKHK,WIL0331CKHK-CPK0331CKHK-CPK0111CKHK,RLU,LCC1
TARIFF,RLU-FIXED,Daily supply charge,F,0.3333,Day,B,Fixed,,,
TARIFF,RLU-24UN,Anytime,V,0.2768,kWh,X,UN,24,,
TARIFF,RLU-AICO,All inclusive,V,0.2568,kWh,X,IN,17,,
TARIFF,RLU-CTRL,Controlled - hot water,V,0.2368,kWh,X,CN,19,,
TARIFF,RLU-16D,Daytime,V,0.2768,kWh,X,D,16,,
TARIFF,RLU-NITE,Night only,V,0.2368,kWh,X,N,8,,
TARIFF,RLU-EVNITE,Electric vehicle - night only,V,0.2368,kWh,X,UN,10,SC_h00_07 SC_h21_24,
```

## Example 4

Simple example showing 2 residential and one commercial plan available in Auckland and Wellington networks from 'A Simple Retailer Ltd'. This example illustrates the nationwide approach to plan definition.

```
HDR,PRCSCHD,2.005,ASRL,ASRL,3ABC,2016-05-22T12:23:45+12,,c7d90f3a-d62b-4923-95c4-4aef120d831e,94,E,I
RETAILER,ASRL,ASRL,A Simple Retailer Ltd
ATTRIBUTE,AT_anzsic_1,ANZSIC,,,,1
ATTRIBUTE,AT_bdl_gas_onl,BUNDLED_GAS,,,,Only available bundled with gas
ATTRIBUTE,AT_crd_chk,CREDIT_CHECK,,,,
ATTRIBUTE,AT_dsc_gas_10,DISCOUNT_GAS,,10%,10% Discount for bundling with gas
ATTRIBUTE,AT_mtr_typ_nhh,METER_TYPE_NHH,,,,
ATTRIBUTE,AT_anzsic_4,ANZSIC,,,,4
CUSTOMER,Residential,AT_anzsic_1 AT_bdl_gas_onl AT_crd_chk
PLAN,ASRL_RLU_GAS_UNC,Residential low user plan with gas,,,,Y,AT_dsc_gas_10 AT_mtr_typ_nhh
NETWORK,UNET,,WRNLU WRNSU WRUL WRUS,
TARIFF,UUC_RLU_VECT_UN24,Uncontrolled Usage Charge,V,0.3417,kWh,X,UN,24,,
TARIFF,UUC_RLU_VECT_IN24,Uncontrolled Usage Charge,V,0.3417,kWh,X,IN,24,,
TARIFF,UUC_RLU_VECT_CN20,Uncontrolled Usage Charge,V,0.3417,kWh,X,CN,20,,
TARIFF,UUC_RLU_VECT_DIN16,Uncontrolled Usage Charge,V,0.3417,kWh,X,DIN,16,,
TARIFF,FDC_RLU_VECT,Fixed Daily Charge,F,1.5000,day,,,,
NETWORK,VECT,,ARNLU ARNSU ARUL ARUS,
TARIFF,UUC_RLU_VECT_UN24-1,Uncontrolled Usage Charge,V,0.3417,kWh,X,UN,24,,
TARIFF,UUC_RLU_VECT_IN24-1,Uncontrolled Usage Charge,V,0.3417,kWh,X,IN,24,,
TARIFF,UUC_RLU_VECT_CN20-1,Uncontrolled Usage Charge,V,0.3417,kWh,X,CN,20,,
TARIFF,UUC_RLU_VECT_DIN16-1,Uncontrolled Usage Charge,V,0.3417,kWh,X,DIN,16,,
TARIFF,FDC_RLU_VECT-1,Fixed Daily Charge,F,1.5000,day,,,,
NETWORK,UNET,,WRCL WRCS WRNLC WRNSC,
TARIFF,AIUC_RLU_VECT_UN24,All-Inclusive Usage Charge,V,0.3255,kWh,X,UN,24,,
TARIFF,AIUC_RLU_VECT_IN24,All-Inclusive Usage Charge,V,0.3255,kWh,X,IN,24,,
TARIFF,AIUC_RLU_VECT_CN20,All-Inclusive Usage Charge,V,0.3255,kWh,X,CN,20,,
TARIFF,AIUC_RLU_VECT_DIN16,All-Inclusive Usage Charge,V,0.3255,kWh,X,DIN,16,,
TARIFF,FDC_RLU_VECT-2,Fixed Daily Charge,F,1.5000,day,,,,
NETWORK,VECT,,ARCL ARCS ARNLC ARNSC,
TARIFF,AIUC_RLU_VECT_UN24-1,All-Inclusive Usage Charge,V,0.3255,kWh,X,UN,24,,
TARIFF,AIUC_RLU_VECT_IN24-1,All-Inclusive Usage Charge,V,0.3255,kWh,X,IN,24,,
TARIFF,AIUC_RLU_VECT_CN20-1,All-Inclusive Usage Charge,V,0.3255,kWh,X,CN,20,,
TARIFF,AIUC_RLU_VECT_DIN16-1,All-Inclusive Usage Charge,V,0.3255,kWh,X,DIN,16,,
TARIFF,FDC_RLU_VECT-3,Fixed Daily Charge,F,1.5000,day,,,,
NETWORK,CKHK,,RLU RLUTOU RSU RSUTOU,
TARIFF,UUC_RLU_CKHK_UN24,Uncontrolled Usage Charge,V,0.3177,kWh,X,UN,24,,
TARIFF,UUC_RLU_CKHK_DIN16,Uncontrolled Usage Charge,V,0.3177,kWh,X,DIN,16,,
TARIFF,AIUC_RLU_CKHK_IN24,All-Inclusive Usage Charge,V,0.2906,kWh,X,IN,24,,
TARIFF,CUC_RLU_CKHK_CN20,Controlled Usage Charge,V,0.2500,kWh,X,CN,20,,
TARIFF,CUC_RLU_CKHK_CN24,Controlled Usage Charge,V,0.2500,kWh,X,CN,24,,
TARIFF,FDC_RLU_CKHK,Fixed Daily Charge,F,1.5000,day,,,,
PLAN,ASRL_RSU_GAS_UNC,Residential standard user plan with gas,,,,N,AT_dsc_gas_10 AT_mtr_typ_nhh
NETWORK,UNET,,WRNLU WRNSU WRUL WRUS,
TARIFF,UUC_RSU_VECT_UN24,Uncontrolled Usage Charge,V,0.2722,kWh,X,UN,24,,
TARIFF,UUC_RSU_VECT_IN24,Uncontrolled Usage Charge,V,0.2722,kWh,X,IN,24,,
TARIFF,UUC_RSU_VECT_CN20,Uncontrolled Usage Charge,V,0.2722,kWh,X,CN,20,,
TARIFF,UUC_RSU_VECT_DIN16,Uncontrolled Usage Charge,V,0.2722,kWh,X,DIN,16,,
TARIFF,FDC_RSU_VECT,Fixed Daily Charge,F,3.0261,day,,,,
NETWORK,VECT,,ARNLU ARNSU ARUL ARUS,
TARIFF,UUC_RSU_VECT_UN24-1,Uncontrolled Usage Charge,V,0.2722,kWh,X,UN,24,,
TARIFF,UUC_RSU_VECT_IN24-1,Uncontrolled Usage Charge,V,0.2722,kWh,X,IN,24,,
TARIFF,UUC_RSU_VECT_CN20-1,Uncontrolled Usage Charge,V,0.2722,kWh,X,CN,20,,
TARIFF,UUC_RSU_VECT_DIN16-1,Uncontrolled Usage Charge,V,0.2722,kWh,X,DIN,16,,
TARIFF,FDC_RSU_VECT-1,Fixed Daily Charge,F,3.0261,day,,,,
NETWORK,UNET,,WRCL WRCS WRNLC WRNSC,
TARIFF,AIUC_RSU_VECT_UN24,All-Inclusive Usage Charge,V,0.2558,kWh,X,UN,24,,
TARIFF,AIUC_RSU_VECT_IN24,All-Inclusive Usage Charge,V,0.2558,kWh,X,IN,24,,
TARIFF,AIUC_RSU_VECT_CN20,All-Inclusive Usage Charge,V,0.2558,kWh,X,CN,20,,
TARIFF,AIUC_RSU_VECT_DIN16,All-Inclusive Usage Charge,V,0.2558,kWh,X,DIN,16,,
TARIFF,FDC_RSU_VECT-2,Fixed Daily Charge,F,3.0261,day,,,,
NETWORK,VECT,,ARCL ARCS ARNLC ARNSC,
TARIFF,AIUC_RSU_VECT_UN24-1,All-Inclusive Usage Charge,V,0.2558,kWh,X,UN,24,,
TARIFF,AIUC_RSU_VECT_IN24-1,All-Inclusive Usage Charge,V,0.2558,kWh,X,IN,24,,
TARIFF,AIUC_RSU_VECT_CN20-1,All-Inclusive Usage Charge,V,0.2558,kWh,X,CN,20,,
TARIFF,AIUC_RSU_VECT_DIN16-1,All-Inclusive Usage Charge,V,0.2558,kWh,X,DIN,16,,
TARIFF,FDC_RSU_VECT-3,Fixed Daily Charge,F,3.0261,day,,,,
NETWORK,CKHK,,RLU RLUTOU RSU RSUTOU,
TARIFF,UUC_RSU_CKHK_UN24,Uncontrolled Usage Charge,V,0.2521,kWh,X,UN,24,,
TARIFF,UUC_RSU_CKHK_DIN16,Uncontrolled Usage Charge,V,0.2521,kWh,X,DIN,16,,
```

TARIFF,AIUC\_RSU\_CKHK\_IN24,All-Inclusive Usage Charge,V,0.2250,kWh,X,IN,24,,  
 TARIFF,CUC\_RSU\_CKHK\_CN20,Controlled Usage Charge,V,0.1843,kWh,X,CN,20,,  
 TARIFF,CUC\_RSU\_CKHK\_CN24,Controlled Usage Charge,V,0.1843,kWh,X,CN,24,,  
 TARIFF,FDC\_RSU\_CKHK,Fixed Daily Charge,F,2.9391,day,,,,,  
 CUSTOMER,Commercial,AT\_anzsic\_4 AT\_bdl\_gas\_onl AT\_crd\_chk  
 PLAN,ASRL\_COM\_GAS,Commercial user plan,,,,,N,AT\_dsc\_gas\_10 AT\_mtr\_typ\_nhh  
 NETWORK,UNET,,WBSN,  
 TARIFF,UUC\_COM\_UNET\_UN24,Uncontrolled Usage Charge,V,0.2528,kWh,X,UN,24,,  
 TARIFF,UUC\_COM\_UNET\_IN24,Uncontrolled Usage Charge,V,0.2528,kWh,X,IN,24,,  
 TARIFF,UUC\_COM\_UNET\_CN20,Uncontrolled Usage Charge,V,0.2528,kWh,X,CN,20,,  
 TARIFF,UUC\_COM\_UNET\_DIN16,Uncontrolled Usage Charge,V,0.2528,kWh,X,DIN,16,,  
 TARIFF,FDC\_COM\_UNET,Fixed Daily Charge,F,3.2380,day,,,,,  
 NETWORK,VECT,,ABSN,  
 TARIFF,UUC\_COM\_VECT\_UN24,Uncontrolled Usage Charge,V,0.2496,kWh,X,UN,24,,  
 TARIFF,UUC\_COM\_VECT\_IN24,Uncontrolled Usage Charge,V,0.2496,kWh,X,IN,24,,  
 TARIFF,UUC\_COM\_VECT\_CN20,Uncontrolled Usage Charge,V,0.2496,kWh,X,CN,20,,  
 TARIFF,UUC\_COM\_VECT\_DIN16,Uncontrolled Usage Charge,V,0.2496,kWh,X,DIN,16,,  
 TARIFF,FDC\_COM\_VECT,Fixed Daily Charge,F,3.2380,day,,,,,  
 TARIFF,CC\_COM\_VECT,Capacity Charge,F,0.0000,kVa,,,,,  
 NETWORK,CKHK,,GLV69,  
 TARIFF,UUC\_COM\_CKHK\_UN24,Uncontrolled Usage Charge,V,0.2178,kWh,X,UN,24,,  
 TARIFF,UUC\_COM\_CKHK\_IN24,Uncontrolled Usage Charge,V,0.2178,kWh,X,IN,24,,  
 TARIFF,UUC\_COM\_CKHK\_CN20,Uncontrolled Usage Charge,V,0.2178,kWh,X,CN,20,,  
 TARIFF,UUC\_COM\_CKHK\_DIN16,Uncontrolled Usage Charge,V,0.2178,kWh,X,DIN,16,,  
 TARIFF,FDC\_COM\_CKHK,Fixed Daily Charge,F,4.9770,day,,,,,  
  
 TARIFF,FDC\_COM\_VECT,Fixed Daily Charge,F,3.2380,day,,

## Appendix C JSON file format examples

### Example 1

Simple example available to the entire Wellington (CKHK) region from 'A Simple Retailer Ltd'. (As per [Appendix 2B](#), example 1)

```

{
  "FileType": "PRCSCHD",
  "Version": 1,
  "Sender": "ASRL",
  "SentOnBehalfOf": "ASRL",
  "Recipient": "ANY",
  "RunDate": "2016-05-23",
  "RunTime": "01:23:45",
  "Uniquifier": 12345,
  "RecordCount": "8",
  "FileStatus": "I",
  "Retailers":
  {
    {
      "TraderId": "ASRL",
      "RetailerId": "ASRL",
      "RetailerBrandName": "A Simple Retailer Ltd",
      "CustomerGroups":
      {
        {
          "CustomerGroup": "General-domestic",
          "Attributes":
          {
            {
              "Attribute": "ANZSIC",
              "TextValue": "0000000"
            }
          }
        };
        "Plans":
        {
          {
            "Plan": "PRSU",
            "Description": "Residential - standard user",
            "LowFixedCharge": "N",
            "Networks":
            {
              {
                "Network": "CKHK",
                "DistributorPriceCategory": "RSU"
              }
            }
          };
          "Tariffs":
          {
            {
              "Tariff": "RSU-FIXD",
              "Description": "Daily supply charge",
              "FixedVariable": "F",
              "Rate": 2.1560,
              "Unit": "Day",
              "FlowDirection": "B",
              "RegisterContentCode": "Fixed",
            };
            {
              "Tariff": "RSU-24UN",
              "Description": "Anytime",
              "FixedVariable": "V",
              "Rate": 0.1937,
              "Unit": "kWh",
              "FlowDirection": "X",
              "RegisterContentCode": "UN",
              "PeriodOfAvailability": 24
            };
            {
              "Tariff": "RSU-AICO",
              "Description": "All inclusive",
              "FixedVariable": "V",
              "Rate": 0.1737,
              "Unit": "kWh",
              "FlowDirection": "X",
            }
          }
        }
      }
    }
  }
}

```

```

"RegisterContentCode": "IN",
"PeriodOfAvailability": 24
    },
    {
        "Tariff": "RSU-CTRL",
        "Description": "Controlled/Hot water",
        "FixedVariable": "V",
        "Rate": 0.1537,
        "Unit": "kWh",
        "FlowDirection": "X",
        "RegisterContentCode": "CN",
        "PeriodOfAvailability": 17
    }
    },
    {
        "Plan": "PRLU",
        "Description": "Residential - low user",
        "LowFixedCharge": "Y",
        "Networks": {
            {
                "Network": "CKHK",
                "DistributorPriceCode": "RLU"
            }
        },
        "Tariffs": {
            {
                "Tariff": "RLU-FIXD",
                "Description": "Daily supply charge",
                "FixedVariable": "F",
                "Rate": 0.3333,
                "Unit": "Day",
                "FlowDirection": "B",
                "RegisterContentCode": "Fixed",
            },
            {
                "Tariff": "RLU-24UN",
                "Description": "Anytime",
                "FixedVariable": "V",
                "Rate": 0.2768,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "UN",
                "PeriodOfAvailability": 24
            },
            {
                "Tariff": "RLU-AICO",
                "Description": "All inclusive",
                "FixedVariable": "V",
                "Rate": 0.2568,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "IN",
                "PeriodOfAvailability": 24
            },
            {
                "Tariff": "RLU-CTRL",
                "Description": "Controlled/Hot water",
                "FixedVariable": "V",
                "Rate": 0.2368,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "CN",
                "PeriodOfAvailability": 17
            }
        }
    }
}
{
    "FileType": "PRCSCHD",

```



```

"LowFixedCharge": "Y",
"Networks": [
  {
    "Network": "CKHK",
    "DistributorPriceCategory": "RLU",
    "Tariffs": [
      {
        "Tariff": "RLU-FIXED",
        "Description": "Daily supply charge",
        "FixedVariable": "F",
        "Rate": 0.3333,
        "Unit": "Day",
        "FlowDirection": "B",
        "RegisterContentCode": "Fixed"
      },{
        "Tariff": "RLU-24UN",
        "Description": "Anytime",
        "FixedVariable": "V",
        "Rate": 0.2768,
        "Unit": "kWh",
        "FlowDirection": "X",
        "RegisterContentCode": "UN",
        "PeriodOfAvailability": 24
      },{
        "Tariff": "RLU-AICO",
        "Description": "All inclusive",
        "FixedVariable": "V",
        "Rate": 0.2568,
        "Unit": "kWh",
        "FlowDirection": "X",
        "RegisterContentCode": "IN",
        "PeriodOfAvailability": 17
      },{
        "Tariff": "RLU-CTRL-1",
        "Description": "Controlled - hot water",
        "FixedVariable": "V",
        "Rate": 0.2368,
        "Unit": "kWh",
        "FlowDirection": "X",
        "RegisterContentCode": "CN",
        "PeriodOfAvailability": 19
      }
    ]
  }
]
}

```

## Example 2

Simple seasonal example available to the entire Wellington (CKHK) region from 'A Simple Retailer Ltd'. (As per [Appendix 2B](#), example 2)

```

{
  "FileType": "PRCSCHD",
  "Version": 1,
  "Sender": "ASRL",
  "SentOnBehalfOf": "ASRL",
  "Recipient": "ANY",
  "RunDate": "2016-05-23",
  "RunTime": "01:23:45",
  "Uniquifier": 12345,
  "RecordCount": 8,
  "FileStatus": "I",
  "Retailers":
  {
    {
      "TraderId": "ASRL",
      "RetailerId": "ASRL",
      "RetailerBrandName": "A Simple Retailer Ltd",
      "CustomerGroups":
      {
        {
          "CustomerGroup": "General-domestic",
          "Attributes":
          {
            {
              "Attribute": "ANZSIC",
              "TextValue": "0000000"
            }
          },
          "Plans":
          {
            {
              "Plan": "PRSU",
              "Description": "Residential – seasonal standard user",
              "LowFixedCharge": "N",
              "Networks":
              {
                {
                  "Network": "CKHK",
                  "DistributorPriceCategory": "RSU"
                }
              },
              "Tariffs":
              {
                {
                  "Tariff": "RSU-FIXD",
                  "Description": "Daily supply charge",
                  "FixedVariable": "F",
                  "Rate": 2.1560,
                  "Unit": "Day",
                  "FlowDirection": "B",
                  "RegisterContentCode": "Fixed"
                },
                {
                  "Tariff": "RSU-24UN",
                  "Description": "Anytime (summer)",
                  "FixedVariable": "V",
                  "Rate": 0.1837,
                  "Unit": "kWh",
                  "FlowDirection": "X",
                  "RegisterContentCode": "UN",
                  "PeriodOfAvailability": 24,
                  "Schedules": [{"Month": "JAN-FEB-MAR-
APR-OCT-NOV-DEC"}]
                }
              }
            }
          }
        }
      }
    }
  }
}

```



```

"RetailerId": "ASRL",
"RetailerBrandName": "Simple Retailer Ltd",
"Attributes": [
  {
    "AttributeId": "AT_anzsic_000000",
    "Attribute": "ANZSIC",
    "TextValue": "000000"
  }
],
"Schedules": [
  {
    "ScheduleId": "SC_summer",
    "DaylightSavings": 1,
    "Month": [ "JAN", "FEB", "MAR", "OCT", "NOV", "DEC" ]
  },{
    "ScheduleId": "SC_winter",
    "DaylightSavings": 1,
    "Month": [ "APR", "MAY", "JUN", "JUL", "AUG", "SEP" ]
  }
],
"CustomerGroups": [
  {
    "CustomerGroup": "General domestic",
    "AttributeIds": [ "AT_anzsic_000000" ],
    "Plans": [
      {
        "Plan": "PRSU",
        "Description": "Residential - seasonal standard user",
        "LowFixedCharge": "N",
        "Networks": [
          {
            "Network": "CKHK",
            "DistributorPriceCategory": "RSU",
            "Tariffs": [
              {
                "Tariff": "RSU-FIXED",
                "Description": "Daily supply charge",
                "FixedVariable": "F",
                "Rate": 2.1560,
                "Unit": "Day",
                "FlowDirection": "B",
                "RegisterContentCode": "Fixed"
              },{
                "Tariff": "RSU-24UN-S",
                "Description": "Anytime (summer)",
                "FixedVariable": "V",
                "Rate": 0.1837,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "UN",
                "PeriodOfAvailability": 24,
                "ScheduleIds": [ "SC_summer" ]
              },{
                "Tariff": "RSU-24UN-W",
                "Description": "Anytime (winter)",
                "FixedVariable": "V",
                "Rate": 0.2037,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "UN",
                "PeriodOfAvailability": 24,
                "ScheduleIds": [ "SC_winter" ]
              },{
                "Tariff": "RSU-AICO-S",
                "Description": "All inclusive (summer)",
                "FixedVariable": "V",
                "Rate": 0.1637,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "IN",
                "PeriodOfAvailability": 17,
                "ScheduleIds": [ "SC_summer" ]
              },{
                "Tariff": "RSU-AICO-W",
                "Description": "All inclusive (winter)",
                "FixedVariable": "V",
                "Rate": 0.1837,
                "Unit": "kWh",

```





### Example 3

An example available to a subset of the Wellington (CKHK) region from 'A Simple Retailer Ltd'. (As per aAppendix 2B, example 3)

- Two basic plans, (LFC and SFC both covering available distribution tariffs ie IN, CN, UN, Day/Night and EV) for domestic consumers. The rates come into effect 1 April 2016, and will not be offered to new customers after 30 June 2016. The plan offers a 10% discount for prompt payment, and a further 2% discount for a direct debit payment.
- They are further limited to a region (Three central city NSPs) and Distributor Price Categories, (separate sets for LFC and SFC as tends to be the case in Wellington)
- Schedules are provided for the EV tariffs

```

{
  "FileType": "PRCSCHD",
  "Version": 1,
  "Sender": "ASRL",
  "SentOnBehalfOf": "ASRL",
  "Recipient": "ANY",
  "RunDate": "2016-05-23",
  "RunTime": "01:23:45",
  "Uniquifier": 12345,
  "RecordCount": "14",
  "FileStatus": "I",

  "Retailers":
  {
    {
      "TraderId": "ASRL",
      "RetailerId": "ASRL",
      "RetailerBrandName": "A Simple Retailer Ltd",
      "CustomerGroups":
      {
        {
          "CustomerGroup": "General domestic",
          "Attributes":
          {
            {
              "Attribute": "ANZSIC",
              "TextValue": "0000000"
            },
            {
              "Attribute": "DISCOUNT_PROMPT_PAYMENT",
              "NumValue": 10,
              "TextValue": "%"
            },
            {
              "Attribute": "DISCOUNT_PAYMENT_RETAILER_INITIATED",
              "NumValue": 2,
              "TextValue": "%"
            }
          }
        }
      }
    }
  },
  "Plans":
  {
    {
      "Plan": "PRSU",
      "Description": "Residential - standard user",
      "StartDate": "2016-04-01",
      "CloseDate": "2016-06-30",
      "LowFixedCharge": "N",
      "Networks":
      {
        {
          "Network": "CKHK",
          "NSP": "WIL0331CKHK-CPK0331CKHK-CPK0111CKHK",
          "DistributorPriceCategory": "RSU",
          "DistributorLossCategory": "LCC1"
        }
      }
    }
  }
}

```



```

    }
    "DaylightSavings" : 1,
    "StartTime" : "00:00",
    "EndTime" : "07:00",
  }
}
};
{
  "Plan" : "PRLU",
  "Description" : "Residential - low user",
  "StartDate" : "2016-04-01",
  "CloseDate" : "2016-06-30",
  "LowFixedCharge" : "Y",
  "Networks" :
  {
    "Network" : "CKHK",
    "NSP" : "WIL0331CKHK-CPK0331CKHK-CPK0111CKHK",
    "DistributorPriceCategory" : "RLU",
    "DistributorLossCategory" : "LCC1"
  },
};
"Tariffs" :
{
  "Tariff" : "RLU-FIXD",
  "Description" : "Daily supply charge",
  "FixedVariable" : "F",
  "Rate" : 0.3333,
  "Unit" : "Day",
  "FlowDirection" : "B",
  "RegisterContentCode" : "Fixed",
};
{
  "Tariff" : "RLU-24UN",
  "Description" : "Anytime",
  "FixedVariable" : "V",
  "Rate" : 0.2768,
  "Unit" : "kWh",
  "FlowDirection" : "X",
  "RegisterContentCode" : "UN",
  "PeriodOfAvailability" : 24
};
{
  "Tariff" : "RLU-AICO",
  "Description" : "All inclusive",
  "FixedVariable" : "V",
  "Rate" : 0.2568,
  "Unit" : "kWh",
  "FlowDirection" : "X",
  "RegisterContentCode" : "IN",
  "PeriodOfAvailability" : 24
};
{
  "Tariff" : "RLU-CTRL",
  "Description" : "Controlled/Hot water",
  "FixedVariable" : "V",
  "Rate" : 0.2368,
  "Unit" : "kWh",
  "FlowDirection" : "X",
  "RegisterContentCode" : "CN",
  "PeriodOfAvailability" : 17
};
};
{
  "Tariff" : "RLU-16D",
  "Description" : "Daytime",
  "FixedVariable" : "V",
  "Rate" : 0.2768,
  "Unit" : "kWh",
  "FlowDirection" : "X",
  "RegisterContentCode" : "D",
  "PeriodOfAvailability" : 16
};
{
  "Tariff" : "RLU-NITE",

```



```

    "DaylightSavings": 1,
    "StartTime": "21:00",
    "EndTime": "24:00"
  },{
    "ScheduleId": "SC_h00_07",
    "DaylightSavings": 1,
    "StartTime": "00:00",
    "EndTime": "07:00"
  }
],
"CustomerGroups": [
  {
    "CustomerGroup": "General domestic",
    "AttributeIds": [ "AT_anzsic_000000", "AT_Disc_PP_10", "AT_Disc_PRI_2" ],
    "Plans": [
      {
        "Plan": "PRSU",
        "Description": "Residential - standard user",
        "StartDate": "2016-04-01",
        "CloseDate": "2016-06-30",
        "LowFixedCharge": "N",
        "Networks": [
          {
            "Network": "CKHK",
            "NSP": "WIL0331CKHK CPK0331CKHK CPK0111CKHK",
            "DistributorPriceCategory": "RSU",
            "DistributorLossCategory": "LCC1",
            "Tariffs": [
              {
                "Tariff": "RSU-FIXED",
                "Description": "Daily supply charge",
                "FixedVariable": "F",
                "Rate": 2.1560,
                "Unit": "Day",
                "FlowDirection": "B",
                "RegisterContentCode": "Fixed"
              },{
                "Tariff": "RSU-24UN",
                "Description": "Anytime",
                "FixedVariable": "V",
                "Rate": 0.1937,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "UN",
                "PeriodOfAvailability": 24
              },{
                "Tariff": "RSU-AICO",
                "Description": "All inclusive",
                "FixedVariable": "V",
                "Rate": 0.1737,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "IN",
                "PeriodOfAvailability": 17
              },{
                "Tariff": "RSU-CTRL",
                "Description": "Controlled - hot water",
                "FixedVariable": "V",
                "Rate": 0.1537,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "CN",
                "PeriodOfAvailability": 19
              },{
                "Tariff": "RSU-16D",
                "Description": "Daytime",
                "FixedVariable": "V",
                "Rate": 0.1937,
                "Unit": "kWh",
                "FlowDirection": "X",
                "RegisterContentCode": "D",
                "PeriodOfAvailability": 16
              },{
                "Tariff": "RSU-NITE",
                "Description": "Night only",
                "FixedVariable": "V",
                "Rate": 0.1337,
                "Unit": "kWh",

```



```
"Rate": 0.2368,  
"Unit": "kWh",  
"FlowDirection": "X",  
"RegisterContentCode": "N",  
"PeriodOfAvailability": 8  
},{  
"Tariff": "RLU-EVNITE",  
"Description": "Electric vehicle - night only",  
"FixedVariable": "V",  
"Rate": 0.2368,  
"Unit": "kWh",  
"FlowDirection": "X",  
"RegisterContentCode": "UN",  
"PeriodOfAvailability": 10,  
"ScheduleIds": [ "SC_h21_24", "SC_h00_07" ]  
}  
]  
}  
]  
}  
]  
}  
]  
}  
]  
}
```