

Electricity Information Exchange Protocols (EIEP)

EIEP 14B: Consumer's Product Information

~~20 September 2016~~ Version 1.0

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Version control

Version	Date amended	Comments
1.0	20 September 2016	Template reformatted Finalisation of file format for publication by the Authority
EIEP14A 2DRAFT.005.opt2	12 January 2026	Draft update following consultation with industry representatives November-December 2025
EIEP14B DRAFT001	16 February 2026	Split from 14A
EIEP14B DRAFT002	13 May 2026	Re-adapt from EIEP14A Option 1
EIEP14B DRAFT003	15 May 2026	Merge changes from final EIEP14A
EIEP14B DRAFT004	15 May 2026	Add requirement to include impending tariff changes & customer auth code; revert field width
Version 1	31 July 2026	Final clean version for publication

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1 EIEP 14B: Consumer's product information

Title:	Electricity Information Exchange Protocol 14B – Consumer's Product Information
Version	DRAFT004
Application:	This protocol applies when a person requests a retailer to provide information about the retail tariff plan applying to a specific ICP.
Participants:	Retailers
Code references:	Clause 11.1(g) and 11.32AA and 11.32B of Part 11.
Dependencies:	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 must use this protocol when responding to a request from any person that requests the retailer's product information applying to a specific consumer and ICP.

If (and only if) a plan's effective tariff rates cannot be represented by the mechanisms described in this protocol, the plan must still be included with tariff rates using REPRESENTATIVE_TARIFFS code 4, with an explanation of the tariff mechanism included in the plan description.

Business requirements

1. The protocol is primarily designed to generate a JSON structured object or file. As an additional option, it can be used to develop an alternative file format (such as CSV) conveying the same content as agreed by the requesting and supplying parties.
2. 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.
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.
4. A plan must include the conditions for application of the tariff rates.
5. Where a plan applies to a brand name, the brand name should be identified in the "Retailer name" field, and the parent participant identifier of the brand name should be used in the "Retailer participant identifier" field.
6. Tariff rates included in this format must:
 - a. be GST exclusive
 - b. have the effect of any discounts removed. Where a tariff rate has different discounts applicable, these must be represented through Attribute records
 - c. include all regular components (such as separate rates, fees, levies etc) making up the plan.
7. A file will consist of:
 - a. a single header element (CSV row). Optional for an API where the header information is implicit in the request/response structure
 - b. a single Retailer element
 - c. optional named Attribute elements which can be referenced by Customer Groups, Plans and Tariff Types
 - d. optional named Schedule elements which can be referenced by Tariff Types if there is a time component

attached to the Tariff Type e. one or more named Tariff Type elements describing the parameters that are to be referenced in Tariffs f. a single Tariff Region element to be referenced in Tariffs g. a single Network/Distributor element applying to the customer within the referenced region h. a single Customer Group element i. a single Plan element j. one or more Tariff / rate elements.
8. Attribute codes are used to modify or extend core element information for such things as non-standard rating schemes, eligibility constraints, fees, discounts, and time-bounds. Attribute codes may be specific to “customer”, “plan”, “tariff type” or “tariff” information and are inherited from the parent object; they do not need to be repeated at lower levels.
9. In cases where a scheduled future tariff rate change applies to the customer's plan, both current and future tariffs must be specified with the applicable start and end date attributes.
10. 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.
11. 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 kilowatt hour energy (real energy).

Data inputs
Retailer's product information
Customer ICP

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

Specifications
1. EIEP 14B 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.2 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. Null values are to be represented as sequential commas (,,) in CSV, and in JSON may be represented as the standard JSON type `null` or (preferably) by omitting the element altogether.
4. Matching of file names, code list values, and other information must not be case sensitive.
5. If the protocol is used to structure a file:
- the first record of a file must contain header information followed by six (RETAILER, TARIFFREGION, NETWORK, ~~TARIFFGROUP~~TARIFFTYPE, PLAN, TARIFF~~), ATTRIBUTE and SCHEDULE~~) or more detail lines.
 - 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]

Field	Format	Retailer to Agent	JSON element/ attribute	Validation rules
Header 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	C	(Root)	HDR – indicates the row is a header record type.
File type	Char 7	C	FileType	Pricing Information - PRCSCHD.
Version of EIEP	Num 3.3	C	Version	Version of EIEP that is being used for this file.
Sender	Char 20	C	Sender	Name of sending party. Participant identifier to be used if the sender is a participant.
Sent on behalf of	Char 4	C	SentOnBehalfOf	Participant identifier of party on whose behalf data is provided.
Recipient	Char 4	C	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	Char 30 [ISO 8601]	C	RunDateTime	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.
Data extract date & time	Char 30 [ISO 8601]	O	ExtractDateTime	If report was run from a snapshot, the date and time when the snapshot was extracted from current data.

Field	Format	Retailer to Agent	JSON element/ attribute	Validation rules
Unique file identifier	Char 36 [RFC 9562]	C	Uniquifier	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.
Number of detailed records	Num 8	C	RecordCount	Total number of 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	C	UtilType	Type of energy supply, use "E" = Electricity or "G" = Gas.
File status	Char 1	C	FileStatus	I (Initial) or R (Replacement) or X (replace only those tariffs contained in this replacement file).
ICP Identifier	Char 30	C	ICP	The requested ICP identifier.
Customer No	Char 30	C	CustomerNo	<u>The retailer's unique identifier that links the premises and the consumer. This must match the customer number specified in the request and in any corresponding authorisation record. The requested customer number.</u>
Consumer Authorisation Code	Char 36	C	ConsumerAuthCode	A unique number that links the <u>data document or record that contains the consumer's consent to share their data. response to the request.</u> Mandatory if specified in the corresponding request; otherwise BLANK.
Retailer This record specifies the retailer that serves the identified customer and ICP				
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.
Trader participant identifier	Char 4	C	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.
Attribute 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.				
Attribute record type	Char 15	M	Attributes[] (in Retailer object)	"ATTRIBUTE" – indicates the attributes or conditions additional to rates that apply to a Customer Group, plan, Tariff Type or Tariff record. Attributes may be inherited from a containing record and need not be re-referenced explicitly in subordinate records.

Field	Format	Retailer to Agent	JSON element/ attribute	Validation rules
Attribute record Identifier	Char 20	M	Attributeld	An identifier assigned by the retailer to this attribute record so that it can be referenced from multiple records without repetition. Must be unique within the retailer and comprise alphanumeric and underscore characters only – no spaces.
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 e.g. "Applicable if paid within 10 business days".
Schedule A Schedule record defines the period (months, days, hours) when a Tariff Type is available. 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. If no schedule record is referenced by a Tariff Type, then applicable period assumed to be available 24x7x365. If there are multiple active periods associated with a Tariff Type, then multiple Schedule records must be referenced so that: a) there is no more than one on and off period per schedule record b) an active period cannot span midnight; if it does, two schedule records must be used: e.g. Off peak: 00:00-06:00 and 22:00-24:00				
Schedule record type	Char 15	M	Schedules[] (in Retailer object)	"SCHEDULE" – indicates the schedule(s) for which a tariff rate applies.
Schedule record 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. Must be unique within the retailer and comprise alphanumeric and underscore characters only – no spaces.
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 (i.e the time of rate change reflects Daylight Savings). 2 – times are always interpreted as UTC+12 (potentially suitable for tariff rates that are fixed to solar time - e.g. for generation).

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. b) 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. b) 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.
Tariff Type Tariff Type records hold combinations of metering information and other parameters (including Schedule and Attribute references) that determine the applicability of corresponding Tariffs.				
Tariff Type record type	Char 15	M	TariffTypes[] (in Retailer object)	"TARIFFTYPE" – defines the common parameters for Tariff records.
Tariff Type record Identifier	Char 20	M	TariffTypeId	An identifier assigned by the retailer to this Tariff Type record. Must be unique within the retailer and comprise alphanumeric and underscore characters only – no spaces.
Tariff name	Char 50	M	Description	The name of this component used by the retailer and that appears on the customers invoice e.g. "Domestic low fixed charge under 15kVA", "Electricity Authority levy" not necessarily tied to a meter register.
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.
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 and Period of Availability	Char 50	C	RCC-POA	A list of Register Content Code – Period of Availability pairs that determine the tariff type, represented as a space-separated list of hyphenated pairs in CSV and a list of [character, integer] pairs in JSON. This field should be null for Fixed charges (indicated by the Fixed / Variable indicator above) or electricity conveyed charges (e.g. EA levy, meter lease charges). Also null if not a determinant of tariff rate eligibility. Note1: The Register Content Code identifies the register content of a meter register to be eligible for the tariff rate for electricity delivered rate tariff components, as set out in SD-020 of the registry functional specification. Note 2: The Period of Availability identifies the period of availability of a meter register to be eligible for the tariff rate. Where the RCC-POA field is populated, it should follow the registry specifications—using 0 to indicate that there is no maximum period of control, and 24 to indicate that the load is not actively controlled.
Schedule Identifiers	Char 200	C	ScheduleIds[]	A list of Schedule record identifiers that determine the times of day, week and/or year when the Tariff Type is available. This is a JSON list or space-separated list in CSV (note that identifiers must not contain spaces). Null if tariff rates are not time dependent.
Attribute Identifiers	Char 256	C	AttributeIds[]	A list of Attribute record identifiers that extend or qualify the Tariff Type record and the Tariff records that reference the Tariff Type. This is a JSON list or space-separated list in CSV (note that identifiers must not contain spaces). Null if no attributes are specified at this level.
Tariff Region This record identifies a Tariff Region. For EIEP14B a single Tariff region should be defined containing the customer's Network record only.				
Tariff Region record type	Char 15	M	TariffRegions[] (in Retailer)	"TARIFFREGION" – a record representing the region that contains the customer's Network record.
Tariff Region identifier	Char 20	M	TariffRegionId	An identifier assigned by the retailer to this tariff region record. Must be unique within the retailer and comprise alphanumeric and underscore characters only – no spaces.
Description	Char 50	O	Description	A description of the network grouping to which the ICP belongs e.g. "Lower North Island Networks with Residential Standard User DPC", "Auckland Central primary and embedded Networks".
Network This record identifies the Network for the requested customer and ICP				
Network record type	Char 15	M	Networks[] (in Plan object)	"NETWORK" – defines the network for the requested customer and ICP.
Distributor participant identifier	Char 4	M	Network	Distributor's participant identifier. Details of the distributor's network are obtainable for an ICP from the registry web portal.
NSP	Char 200	M	NSP[]	The network supply point that applies to the customer and ICP e.g. CPK0331CKHK. Single-member list in JSON.
Distributor price category code	Char 200	M	DistributorPrice Category[]	The distributor price category code that applies to the customer and ICP. Single-member list in JSON.
Distributor loss category code	Char 50	M	DistributorLoss Category[]	The distributor loss category code that applies to the customer and ICP. Single-member list in JSON.

Customer Type				
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" - denoting the customer type.
Customer text	Char 1000	C	CustomerGroup	Text value or description of the rules for allocation to customers. Null if there are no rules (i.e. the contained plan is open to all customers).
Attribute Identifiers	Char 200	C	Attributelds[]	A list of Attribute record identifiers that extend or qualify the customer group record and the plan record it contains. This is JSON list or space-separate list in CSV (note that identifiers must not contain spaces). Null if no attributes are defined.
Plan				
The plan that applies to the named customer and ICP				
Plan record type	Char 15	M	Plans[] (in CustomerGroup object)	"PLAN" – indicates the row is a tariff plan record.
Product Identification code	Char 32	M	PlanId	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). For a bespoke plan, "BESPOKE PLAN" can be used, otherwise BLANK.
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	YYYY-MM-DD [ISO 8601]	C	StartDate	The date the customer joined the plan, for the purposes of calculating discounts and fixed-term benefits. Note that this is different from the EIEP14A usage i.e. the date the retailer introduced the plan. May be null if unknown and/or more than 2 years prior to the current date and irrelevant for billing.
End date of plan	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	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.
Low Fixed Charge	Char 1	C	LowFixedCharge	'Y' if provided as low fixed charge plan under the "Electricity (Low Fixed Charge Tariff Option for Domestic Consumers) Regulations 2004". Otherwise "N". Mandatory while the Low Fixed Charge Regulations remain in force.
Attribute Identifiers	CHAR 256	C	Attributelds[]	A list of Attribute record identifiers that extend or qualify the plan record and/or its tariffs. This is a JSON list or space-separated list in CSV (note that identifiers must not contain spaces). Null if no attributes are specified at plan level.

Tariff 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, as defined by the referenced Tariff Type record.				
Tariff record type	Char 15	M	Tariffs[] (in Plan object)	"TARIFF" – defines the eligible rates for the plan.
Retailer's tariff identifier	Char 50	C	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 Region Identifier	Char 20	C	TariffRegionId	Reference to the single Tariff Region applying to the customer.
Tariff Type Identifier	Char 20	M	TariffTypeId	Reference to the Tariff Type record that holds the common parameters for this rate (description, direction, RCC, PoA, units, schedules, attributes).
Tariff rate	Num 6.6	M	Rate	The specific tariff rate in either a) where unit type in the referenced Tariff Type is spot + %, % of cost. In all other cases: dollars per unit type.
Attribute Identifiers	CHAR 256	C	AttributeIds[]	A list of Attribute record identifiers that extend or qualify the Tariff record. This is a JSON list or space-separate list in CSV (note that identifiers must not contain spaces). Most Tariff Attributes except start, stop and close dates should be inherited from higher levels in the hierarchy (Customer, Plan or Tariff Type). Null if no attributes are specified at tariff level.

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	✓			The customer's type that the tariff applies to 1 – domestic residential only 2 – domestic non-residential (i.e. holiday) only 3 – retail only 4 – commercial only 5 – industrial only or ... 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. Mandatory if eligibility applies. Assumed 000000 if not.
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	✓	✓	✓	Use the free text field to describe the bundling requirements. As necessary, other codes may be approved by the Authority and appended to this document.
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. Multiple instances may be attached to a plan each with a description field indicating distinct fees for (e.g.) manual vs remote and out-of-hours vs business hours disconnections.
DISCOUNT_PROMPT_PAYMENT	✓	✓		Discount for prompt payment.
DISCOUNT_	✓	✓		Discount for customer-initiated automatic payment (Direct Credit).

PAYMENT_CUSTOMER_INITIATED				
DISCOUNT_PAYMENT_RETAILER_INITIATED	✓	✓		Discount for customer-initiated automatic payment (Direct Debit).
DISCOUNT_OTHER	✓	✓	✓	Other discount specified in the description field.
DISCOUNT_ELECTRONIC_BILL	✓	✓		Discount for electronic billing.
ELECTRIC_VEHICLE_PLAN		✓		Plan intended for an electric vehicle user.
ELECTRONIC_BILL_ONLY	✓	✓		Paper billing is not supported.
EXIT_FEE	✓	✓		Break fee.
FIXED_TERM_DATE		✓	✓	Date at which a fixed term for a tariff begins.
FIXED_TERM_PERIOD		✓	✓	Duration of a fixed term in days.
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_MAX		✓	✓	Maximum fuse size to be eligible for the plan or tariff.
FUSE_SIZE_MIN		✓	✓	Minimum fuse size to be eligible for the plan or tariff.
GENERATION_ONLY		✓		Indicates a plan includes electricity generation (flow direction "I") tariffs only.
KWH_MAX		✓	✓	Maximum monthly consumption to be eligible for a plan, or lower band threshold for a banded tariff (where permitted).
KWH_MIN		✓	✓	Minimum monthly consumption to be eligible for a plan, or upper band threshold for a banded tariff (where permitted).
KVA_MAX		✓	✓	Maximum peak power consumption to be eligible for the plan or tariff.
KVA_MIN		✓	✓	Minimum peak power consumption to be eligible for the plan or tariff.
LATE_PAYMENT_FEE	✓	✓		Fee for late payment after the invoice due date.
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.
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.
RECONNECTION_FEE	✓	✓		Fee for reconnection. Multiple instances may be attached to a plan with a description field indicating distinct fees for (e.g.) manual vs remote and out-of-hours vs business hours reconnections.
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, represented in the tariff record as a percentage of spot price. 3 – Tariffs are variable rates that are over and above spot rates as above but with a fixed volume hedge. 4 – Tariffs are unknown/estimated for a period. This code may be used only if the effective rate cannot be determined using other mechanisms described in this document.
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.
WHOLESALE_REFERENCE_NODE		✓	✓	Reference node applying to spot-price related plans and tariffs. Permitted values: "GXP", or a specific node identifier.

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

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

Character	ASCII	Character	ASCII	Character	ASCII
32	Space	64	@	96	`
33	!	65	A	97	a
34	"	66	B	98	b
35	#	67	C	99	c
36	\$	68	D	100	d
37	%	69	E	101	e
38	&	70	F	102	f
39	'	71	G	103	g
40	(	72	H	104	h
41	)	73	I	105	i
42	*	74	J	106	j
43	+	75	K	107	k
44	,	76	L	108	l
45	-	77	M	109	m
46	.	78	N	110	n
47	/	79	O	111	o
48	0	80	P	112	p
49	1	81	Q	113	q
50	2	82	R	114	r
51	3	83	S	115	s
52	4	84	T	116	t
53	5	85	U	117	u
54	6	86	V	118	v
55	7	87	W	119	w
56	8	88	X	120	x
57	9	89	Y	121	y
58	:	90	Z	122	z
59	;	91	[	123	{
60	<	92	\	124	
61	=	93	]	125	}
62	>	94	^	126	~
63	?	95	_		

A.3 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 (e.g. transformers)
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

Example for a customer on a residential plan with controlled hot water and cheaper night rates, based in the Wellington (CKHK) region from 'A Simple Retailer Ltd'. The example illustrates the use of Attribute records to provide full information describing the plan (including all applicable fees and discounts) and to signal an impending rate change.

```
HDR,PRCSCHD,2.005,ASRL,ASRL,ANY,2026-05-22T12:23:45+1200,2026-05-22T12:23:45+1200,c7d90f3a-d62b-4923-95c4-4aef120d831e,32,E,I,0000128513TRC45,C-0123456,653d3697-f54a-4261-a781-fa91bf2585bd
RETAILER,ASRL,ASRL,A Simple Retailer Ltd
ATTRIBUTE,AT_anzsic_000000,ANZSIC,,,000000,
ATTRIBUTE,AT_CCA,CREDIT_CARD_ALLOWED,,,,Credit card payment supported (no fees)
ATTRIBUTE,AT_CCHK,CREDIT_CHECK,,,,Credit check required for this plan
ATTRIBUTE,AT_DFNP,DISCONNECTION_FEE_NON_PAYMENT,,60,$,Disconnection fee for non-payment
ATTRIBUTE,AT_Dfv_RMT,DISCONNECTION_FEE_VOLUNTARY,,25,$,Customer-requested disconnection fee (remote switched)
ATTRIBUTE,AT_Dfv_BHR,DISCONNECTION_FEE_VOLUNTARY,,120,$,"Customer-requested disconnection fee (on site, business hours)"
ATTRIBUTE,AT_Dfv_OOH,DISCONNECTION_FEE_VOLUNTARY,,350,$,"Customer-requested disconnection fee (on site, out of hours)"
ATTRIBUTE,AT_DPP,DISCOUNT_PROMPT_PAYMENT,,10,%,10% discount if paid on or before due date
ATTRIBUTE,AT_DEB,DISCOUNT_ELECTRONIC_BILL,,2,%,2% discount for electronic-only invoicing
ATTRIBUTE,AT_MT_CI,METER_TYPE_C_AND_I,,,Plan requires half-hour time-of-use meter
ATTRIBUTE,AT_RF_RMT,RECONNECTION_FEE,,25,$,Reconnection fee (remote switched)
ATTRIBUTE,AT_RF_BHR,RECONNECTION_FEE,,120,$,"Reconnection fee (on site, business hours)"
ATTRIBUTE,AT_RF_OOH,RECONNECTION_FEE,,350,$,"Reconnection fee (on site, out of hours)"
ATTRIBUTE,AT_TED_31MAY26,TARIFF_END_DATE,2026-05-31,,,
ATTRIBUTE,AT_TSD_01JUN26,TARIFF_START_DATE,2026-06-01,,,
SCHEDULE,SC_H21_24,1,21:00:00,24:00:00,,
SCHEDULE,SC_H00_07,1,00:00:00,07:00:00,,
SCHEDULE,SC_H07_21,1,07:00:00,21:00:00,,
TARIFFTYPE,TT_RSU_FIXED,Daily supply charge,F,Day,B,,,
TARIFFTYPE,TT_RSU_24UN_DAY,Uncontrolled - day,V,kWh,X,UN-24,SC_H-07_21,
TARIFFTYPE,TT_RSU_24UN_NIGHT,Uncontrolled - night,V,kWh,X,UN-24,SC_H00_07 SC_H21_24,
TARIFFTYPE,TT_RSU_CTRL,Controlled - hot water,V,kWh,X,CN-16,,
TARIFFREGION,TR_CKHK_ALL,Wellington Region
NETWORK,CKHK,CPK0331CKHK,RSU,LCC1
CUSTOMER,General domestic,AT_CCA AT_DFNP AT_Dfv_BHR AT_Dfv_OOH AT_Dfv_RMT AT_RF_BHR AT_RF_OOH AT_RF_RMT AT_anzsic_000000
PLAN,PRSU,Residential - cheap nights,2025-11-15,,,N,AT_CCHK AT_DEB AT_DPP AT_MT_CI
TARIFF,RSU_FIXED,TR_CKHK,TR_CKHK_ALL,TT_RSU_FIXED,2.15,AT_TED_31MAY26
TARIFF,RSU_FIXED,TR_CKHK,TR_CKHK_ALL,TT_RSU_FIXED,2.27,AT_TSD_01JUN26
TARIFF,RSU_24UN_DAY,TR_CKHK,TR_CKHK_ALL,TT_RSU_24UN_DAY,0.2855,
TARIFF,RSU_24UN_NIGHT,TR_CKHK,TR_CKHK_ALL,TT_RSU_24UN_NIGHT,0.2138,
TARIFF,RSU_CTRL,TR_CKHK,TR_CKHK_ALL,TT_RSU_CTRL,0.1937,
```

Appendix C

JSON file format examples

Example 1

JSON representation of the example from Appendix B, Example 1

```
{
  "Type": "HDR",
  "FileType": "PRCSCHD",
  "Version": 2.005,
  "Sender": "ASRL",
  "SentOnBehalfOf": "ASRL",
  "Recipient": "ANY",
  "RunDateTime": "2026-05-22T12:23:45+1200",
  "ExtractDateTime": "2026-05-22T12:23:45+1200",
  "Uniquifier": "c7d90f3a-d62b-4923-95c4-4aef120d831e",
  "RecordCount": 32,
  "UtilType": "E",
  "FileStatus": "I",
  "ICP": "0000128513TRC45",
  "CustomerNo": "C-0123456",
  "ConsumerAuthCode": "653d3697-f54a-4261-a781-fa91bf2585bd",
  "Retailers": [
    {
      "Type": "RETAILER",
      "TraderId": "ASRL",
      "RetailerId": "ASRL",
      "RetailerBrandName": "A Simple Retailer Ltd",
      "Attributes": [
        {
          "Type": "ATTRIBUTE",
          "AttributeId": "AT_anzsic_000000",
          "Attribute": "ANZSIC",
          "TextValue": "000000"
        },
        {
          "Type": "ATTRIBUTE",
          "AttributeId": "AT_CCA",
          "Attribute": "CREDIT_CARD_ALLOWED",
          "Description": "Credit card payment supported (no fees)"
        },
        {
          "Type": "ATTRIBUTE",
          "AttributeId": "AT_CCHK",
          "Attribute": "CREDIT_CHECK",
          "Description": "Credit check required for this plan"
        },
        {
          "Type": "ATTRIBUTE",
          "AttributeId": "AT_DFNP",
          "Attribute": "DISCONNECTION_FEE_NON_PAYMENT",
          "NumValue": 60,
          "TextValue": "$",
          "Description": "Disconnection fee for non-payment"
        },
        {
          "Type": "ATTRIBUTE",
          "AttributeId": "AT_DFV_RMT",
          "Attribute": "DISCONNECTION_FEE_VOLUNTARY",
          "NumValue": 25,
          "TextValue": "$",
          "Description": "Customer-requested disconnection fee (remote switched)"
        },
        {
          "Type": "ATTRIBUTE",
          "AttributeId": "AT_DFV_BHR",
          "Attribute": "DISCONNECTION_FEE_VOLUNTARY",
          "NumValue": 120,
          "TextValue": "$",
          "Description": "Customer-requested disconnection fee (on site, business hours)"
        },
        {
          "Type": "ATTRIBUTE",
          "AttributeId": "AT_DFV_OOH",
          "Attribute": "DISCONNECTION_FEE_VOLUNTARY",
          "NumValue": 350,

```

```

      "TextValue": "$",
      "Description": "Customer-requested disconnection fee (on site, out of hours)"
    }, {
      "Type": "ATTRIBUTE",
      "AttributeId": "AT_DPP",
      "Attribute": "DISCOUNT_PROMPT_PAYMENT",
      "NumValue": 10,
      "TextValue": "%",
      "Description": "10% discount if paid on or before due date"
    }, {
      "Type": "ATTRIBUTE",
      "AttributeId": "AT_DEB",
      "Attribute": "DISCOUNT_ELECTRONIC_BILL",
      "NumValue": 2,
      "TextValue": "%",
      "Description": "2% discount for electronic-only invoicing"
    }, {
      "Type": "ATTRIBUTE",
      "AttributeId": "AT_MT_CI",
      "Attribute": "METER_TYPE_C_AND_I",
      "Description": "Plan requires half-hour time-of-use meter"
    }, {
      "Type": "ATTRIBUTE",
      "AttributeId": "AT_RF_RMT",
      "Attribute": "RECONNECTION_FEE",
      "NumValue": 25,
      "TextValue": "$",
      "Description": "Reconnection fee (remote switched)"
    }, {
      "Type": "ATTRIBUTE",
      "AttributeId": "AT_RF_BHR",
      "Attribute": "RECONNECTION_FEE",
      "NumValue": 120,
      "TextValue": "$",
      "Description": "Reconnection fee (on site, business hours)"
    }, {
      "Type": "ATTRIBUTE",
      "AttributeId": "AT_RF_OOH",
      "Attribute": "RECONNECTION_FEE",
      "NumValue": 350,
      "TextValue": "$",
      "Description": "Reconnection fee (on site, out of hours)"
    }, {
      "Type": "ATTRIBUTE",
      "AttributeId": "AT_TED_31MAY26",
      "Attribute": "TARIFF_END_DATE",
      "DateValue": "2026-05-31"
    }, {
      "Type": "ATTRIBUTE",
      "AttributeId": "AT_TSD_01JUN26",
      "Attribute": "TARIFF_START_DATE",
      "DateValue": "2026-06-01"
    }
  ],
  "Schedules": [
    {
      "Type": "SCHEDULE",
      "ScheduleId": "SC_H21_24",
      "DaylightSavings": 1,
      "StartTime": "21:00:00",
      "EndTime": "24:00:00"
    }, {
      "Type": "SCHEDULE",
      "ScheduleId": "SC_H00_07",
      "DaylightSavings": 1,
      "StartTime": "00:00:00",
      "EndTime": "07:00:00"
    }, {
      "Type": "SCHEDULE",
      "ScheduleId": "SC_H07_21",
      "DaylightSavings": 1,
      "StartTime": "07:00:00",
      "EndTime": "21:00:00"
    }
  ]
}

```

```

],
"TariffTypes": [
  {
    "Type": "TARIFFTYPE",
    "TariffTypeId": "TT_RSU_FIXED",
    "Description": "Daily supply charge",
    "FixedVariable": "F",
    "Unit": "Day",
    "FlowDirection": "B"
  },{
    "Type": "TARIFFTYPE",
    "TariffTypeId": "TT_RSU_24UN_DAY",
    "Description": "Uncontrolled - day",
    "FixedVariable": "V",
    "Unit": "kWh",
    "FlowDirection": "X",
    "RCC-POA": [ "UN-24" ],
    "ScheduleIds": [ "SC_H07_21" ]
  },{
    "Type": "TARIFFTYPE",
    "TariffTypeId": "TT_RSU_24UN_NIGHT",
    "Description": "Uncontrolled - night",
    "FixedVariable": "V",
    "Unit": "kWh",
    "FlowDirection": "X",
    "RCC-POA": [ "UN-24" ],
    "ScheduleIds": [ "SC_H21_24", "SC_H00_07" ]
  },{
    "Type": "TARIFFTYPE",
    "TariffTypeId": "TT_RSU_CTRL",
    "Description": "Controlled - hot water",
    "FixedVariable": "V",
    "Unit": "kWh",
    "FlowDirection": "X",
    "RCC-POA": [ "CN-16" ]
  }
],
"TariffRegions": [
  {
    "Type": "TARIFFREGION",
    "TariffRegionId": "TR_CKHK_ALL",
    "Description": "Wellington Region",
    "Networks": [
      {
        "Type": "NETWORK",
        "Network": "CKHK",
        "NSP": [ "CPK0331CKHK" ],
        "DistributorPriceCategory": [ "RSU" ],
        "DistributorLossCategory": [ "LCC1" ]
      }
    ]
  }
],
"CustomerGroups": [
  {
    "Type": "CUSTOMER",
    "CustomerGroup": "General domestic",
    "Attributelds": [ "AT_anzsic_000000", "AT_CCA", "AT_DFPN", "AT_DFV_RMT", "AT_DFV_BHR", "AT_DFV_OOH",
    "AT_RF_RMT", "AT_RF_BHR", "AT_RF_OOH" ],
    "Plans": [
      {
        "Type": "PLAN",
        "Plan": "PRSU",
        "Description": "Residential - cheap nights",
        "StartDate": "2025-11-15",
        "LowFixedCharge": "N",
        "Attributelds": [ "AT_CCHK", "AT_DPP", "AT_DEB", "AT_MT_CI" ],
        "Tariffs": [
          {
            "Type": "TARIFF",
            "Tariff": "RSU_FIXED",
            "TariffRegion": "TR_CKHK"TR_CKHK_ALL",
            "TariffType": "TT_RSU_FIXED",
            "Rate": 2.1500,

```

```

      "Attributelds": [ "AT_TED_31MAY26" ]
    },{
      "Type": "TARIFF",
      "Tariff": "RSU_FIXED",
      "TariffRegion": "TR_CKHK"TR_CKHK_ALL",
      "TariffType": "TT_RSU_FIXED",
      "Rate": 2.2700,
      "Attributelds": [ "AT_TSD_01JUN26" ]
    },{
      "Type": "TARIFF",
      "Tariff": "RSU_24UN_DAY",
      "TariffRegion": "TR_CKHK"TR_CKHK_ALL",
      "TariffType": "TT_RSU_24UN_DAY",
      "Rate": 0.2855
    },{
      "Type": "TARIFF",
      "Tariff": "RSU_24UN_NIGHT",
      "TariffRegion": "TR_CKHK"TR_CKHK_ALL",
      "TariffType": "TT_RSU_24UN_NIGHT",
      "Rate": 0.2138
    },{
      "Type": "TARIFF",
      "Tariff": "RSU_CTRL",
      "TariffRegion": "TR_CKHK"TR_CKHK_ALL",
      "TariffType": "TT_RSU_CTRL",
      "Rate": 0.1937
    }
  ]
}

```