

Data Standards Body

Technical Working Group

Decision Proposal 115 – Tailored Data Payloads

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Context

This proposal describes the payloads for the Tailored Tariff Data which is a component of the Account Data cluster of data included in the [energy sector designation instrument](#). This proposal includes feedback obtained in response to the following consultation activities:

- **Decision Proposal 103 – Electricity End Points**
This consultation proposed a series of URIs for the whole energy sector. Feedback provided in response to this consultation can be found at:
<https://github.com/ConsumerDataStandardsAustralia/standards/issues/103>
- **First Energy API Workshop**
This workshop was conducted online and the NMI Standing Data fields were discussed specifically. The outcomes of the workshop can be found at:
<https://github.com/ConsumerDataStandardsAustralia/standards/wiki/Consumer-Data-Right-%7C-Energy-API-Workshop-%7C-Online---Outcomes>

This proposal also builds on to the consultation on Accounts Data and Generic Tariff Data.

- **Accounts Data**
This consultation contains data payload structures that will be included in the Account APIs defined in that consultation. The link to this previous consultation is:
<https://github.com/ConsumerDataStandardsAustralia/standards/issues/114>
- **Generic Tariff Data**
The content in this proposal is based on the data payload structures defined in the Generic Tariff Data proposal to maximise the ability to compare an on-market proposition to a currently instantiated plan. The link to this previous consultation is:
<https://github.com/ConsumerDataStandardsAustralia/standards/issues/111>

Decision To Be Made

Define the preliminary end point URIs and payloads for Tailored Tariff data.

Identified Options

When consulting on payloads each field potentially has multiple options. For this reason, this proposal only presents a single option for consultation with the expectation that all parts of the proposal are subject to change in response to community feedback.

This section therefore includes a series of descriptions of the underlying assumptions and rationale that have led to the specific proposal included in the recommendation section.

Alignment with Generic Tariffs

The basis for the creation of this proposal is the proposal for Generic Tariff Data as this will maximise the ability to compare offers with current plans.

The differences between this proposal and the Generic Tariff proposal are primarily to remove fields that are not applicable once a plan has been instantiated.

Inclusion in Account APIs

The structures defined in this proposal will not be delivered by standalone APIs. They will, instead, be included in the end points defined in the Account Data proposal. The definition of Account Data that was proposed included placeholders for the Tailored Tariff Data structures.

Current Recommendation

The structure below is the proposed structure for tailored tariffs.

Tailored Tariff Type

Field	Type	Mandatory	Description
{			
meteringCharges	Array of Objects	Optional	Charges for metering included in the plan
{{			
name	String	Mandatory	Display name of the charge
description	String	Optional	Description of the charge
minimumValue	AmountString	Mandatory	Minimum value of the charge if the charge is a range or the absolute value of the charge if no range is specified
maximumValue	AmountString	Optional	The upper limit of the charge if the charge could occur in a range
period	ExternalRef	Optional	The charges that occur on a schedule indicates the frequency. Formatted according to ISO 8601 Durations (excludes recurrence syntax)
}}			
gasContract	Object Note that the structure of this object is identical to: <i>electricityContract</i>	Conditional	The details of the terms for the supply of electricity under this plan. Is mandatory if fuelType is set to GAS or DUAL
electricityContract	Object	Conditional	The details of the terms for the supply of electricity under this plan. Is mandatory if fuelType is set to ELECTRICITY or DUAL
{			
additionalFeeInformation	String	Optional	Free text field containing additional information of the fees for this contract
pricingModel	Enum	Mandatory	The pricing model for the contract. Must be one of: <ul style="list-style-type: none"> SINGLE_RATE SINGLE_RATE_CONT_LOAD TIME_OF_USE TIME_OF_USE_CONT_LOAD FLEXIBLE FLEXIBLE_CONT_LOAD QUOTA Contracts for gas must use SINGLE_RATE

Field	Type	Mandatory	Description
timeZone	Enum	Conditional	Required if pricingModel is set to TIME_OF_USE. Defines the time zone to use for calculation of the time of use thresholds. Must be one of: <ul style="list-style-type: none"> LOCAL AEST
isFixed	Boolean	Mandatory	Flag indicating whether prices are fixed or variable
controlledLoad	Object	Conditional	Required if pricing model is SINGLE_RATE_CONT_LOAD or TIME_OF_USE_CONT_LOAD
{			
name	String	Mandatory	A display name for the controlled load tier
description	String	Optional	A description of the controlled load tier
dailyCharge	AmountString	Mandatory	The daily supply charge (exclusive of GST) for this controlled load tier
period	ExternalRef	Mandatory	The period for which the controlled load rate applies. Formatted according to ISO 8601 Durations (excludes recurrence syntax)
rates	Array Of Objects	Mandatory	Array of controlled load rates in order of usage volume
{{			
unitPrice	AmountString	Mandatory	Unit price of usage per kWh (exclusive of GST)
volume	Number	Optional	Volume in kWh that this rate applies to. Only applicable for 'stepped' rates where different rates apply for different volumes of usage in a period
}}			
}			
discount	Array Of Objects	Optional	Optional list of discounts available for the contract. Should not include discounts arising from concessions or assistance. These should be included in the separate concessions end point.
{{			
name	String	Mandatory	The display name of the discount
description	String	Optional	The description of the discount
type	Enum	Mandatory	The type of the discount. Must be one of: <ul style="list-style-type: none"> CONDITIONAL GUARANTEED

Field	Type	Mandatory	Description
category	Enum	Conditional	The type of the discount. Mandatory if the discount type is CONDITIONAL. Must be one of: <ul style="list-style-type: none"> PAY_ON_TIME DIRECT_DEBIT
methodUType	Enum	Mandatory	The method of calculation of the discount. Must be one of: <ul style="list-style-type: none"> percentOfBill percentOfUse fixedAmount percentOverThreshold
percentOfBill	Object	Conditional	Required if methodUType is percentOfBill
{			
rate	RateString	Mandatory	The rate of the discount applied to the bill amount
}			
percentOfUse	Object	Conditional	Required if methodUType is percentOfUse
{			
rate	RateString	Mandatory	The rate of the discount applied to the usage amount
}			
fixedAmount	Object	Conditional	Required if methodUType is fixedAmount
{			
amount	AmountString	Mandatory	The amount of the discount
}			
percentOverThreshold	Object	Conditional	Required if methodUType is percentOverThreshold
{			
rate	RateString	Mandatory	The rate of the discount over the usage amount
usageAmount	AmountString	Mandatory	The usage amount threshold above which the discount applies
}			
}}			
greenPowerCharges	Array Of Objects	Optional	Optional list of charges applicable to green power
{{			
name	String	Mandatory	The display name of the charge

Field	Type	Mandatory	Description
description	String	Optional	The description of the charge
type	Enum	Mandatory	The type of charge. Must be one of: <ul style="list-style-type: none"> FIXED_PER_DAY FIXED_PER_WEEK FIXED_PER_MONTH FIXED_PER_UNIT PERCENT_OF_USE PERCENT_OF_BILL
tiers	Array Of Object	Mandatory	Array of charge tiers based on the percentage of green power used for the period implied by the type. Array is in order of increasing percentage of green power
{			
percentGreen	RateString	Mandatory	The upper percentage of green power used applicable for this tier
rate	RateString	Conditional	The rate of the charge if the type implies the application of a rate
amount	AmountString	Conditional	The amount of the charge if the type implies the application of a fixed amount
}			
}}			
fee	Array Of Objects	Optional	An array of fees applicable to the plan
[[
type	Enum	Mandatory	The type of the fee. Must be one of: <ul style="list-style-type: none"> EXIT ESTABLISHMENT LATE_PAYMENT DISCONNECTION DISCONNECT_MOVE_OUT DISCONNECT_NON_PAY RECONNECTION CONNECTION PAYMENT_PROCESSING CC_PROCESSING CHEQUE_DISHONOUR DD_DISHONOUR MEMBERSHIP CONTRIBUTION PAPER_BILL OTHER

Field	Type	Mandatory	Description
term	Enum	Mandatory	The term of the fee. Must be one of: <ul style="list-style-type: none"> FIXED 1_YEAR 2_YEAR 3_YEAR 4_YEAR 5_YEAR PERCENT_OF_BILL ANNUAL MONTHLY BIANNUAL
amount	AmountString	Conditional	The fee amount. Required if term is not PERCENT_OF_BILL
rate	RateString	Conditional	The fee rate. Required if term is PERCENT_OF_BILL
description	String	Optional	A description of the fee
}}			
solarFeedInTariff	Array Of Objects	Optional	Array of feed in tariffs for solar power
{{			
type	Enum	Mandatory	The type of the tariff. Must be one of: <ul style="list-style-type: none"> GOVERNMENT RETAILER
amount	AmountString	Conditional	The tariff amount per kWh
description	String	Optional	A description of the tariff
}}			
tariffPeriod	Array Of Objects	Mandatory	Array of tariff periods
{{			
name	String	Mandatory	The name of the tariff period
startDate	String	Conditional	The start date of the tariff period in a calendar year. Required if there is more than one period. Formatted in mm-dd format
endDate	String	Conditional	The end date of the tariff period in a calendar year. Required if there is more than one period. Formatted in mm-dd format
dailySupplyCharges	AmountString	Mandatory	The amount of access charge for the tariff period, in cents per day exclusive of GST.

Field	Type	Mandatory	Description
rateBlockUType	Enum	Mandatory	Specifies the type of rate applicable to this tariff period. Must be one of: <ul style="list-style-type: none"> • singleRate • timeOfUseRates
singleRate	Object	Conditional	Object representing a single rate. Required if rateBlockUType is singleRate
{			
name	String	Mandatory	Display name of the rate
description	String	Optional	Description of the rate
generalUnitPrice	AmountString	Conditional	The block rate (unit price) for any usage above the included fixed usage, in cents per kWh inclusive of GST. Only required if pricingModel field is 'QUOTA'
period	ExternalRef	Optional	Usage period for which the block rate applies. Formatted according to ISO 8601 Durations (excludes recurrence syntax)
rates	Array Of Objects	Mandatory	Array of controlled load rates in order of usage volume
{{			
unitPrice	AmountString	Mandatory	Unit price of usage per kWh (exclusive of GST)
volume	Number	Optional	Volume in kWh that this rate applies to. Only applicable for 'stepped' rates where different rates apply for different volumes of usage in a period
}}			
}			
timeOfUseRates	Array Of Objects	Conditional	Array of objects representing time of use rates. Required if rateBlockUType is timeOfUseRates
{			
name	String	Mandatory	Display name of the rate
description	String	Optional	Description of the rate
type	Enum	Mandatory	The type of usage that the rate applies to. Must be one of: <ul style="list-style-type: none"> • PEAK • OFF_PEAK • SHOULDER • SHOULDER1 • SHOULDER2
rates	Array Of Objects	Mandatory	Array of controlled load rates in order of usage volume

Field	Type	Mandatory	Description
{{			
unitPrice	AmountString	Mandatory	Unit price of usage per kWh (exclusive of GST)
volume	Number	Optional	Volume in kWh that this rate applies to. Only applicable for 'stepped' rates where different rates apply for different volumes of usage in a period
}}			
timeOfUse	Array Of Objects	Mandatory	Array of times of use
{{			
days	Array Of Enum	Mandatory	The days that the rate applies to. Must be one of: <ul style="list-style-type: none"> • SUNDAY • MONDAY • TUESDAY • WEDNESDAY • THURSDAY • FRIDAY • SATURDAY • BUSINESS_DAYS
startTime	String	Mandatory	Start of the period in HHMM format using 24 hour clock format
endTime	String	Mandatory	End of the period in HHMM format using 24 hour clock format
}}			
}			
demandCharges	Array Of Objects	Optional	Array of demand charges
{{			
name	String	Mandatory	Display name of the charge
description	String	Optional	Description of the charge
amount	AmountString	Conditional	The charge amount per kWh exclusive of GST
startTime	String	Mandatory	Start of the period in HHMM format using 24 hour clock format
endTime	String	Mandatory	End of the period in HHMM format using 24 hour clock format
}}			
}}			
}			

Field	Type	Mandatory	Description
}			
links	Object	Mandatory	
{			
self	URIString	Mandatory	Fully qualified link to this API call
first	URI	Conditional	URI to the first page of this set. Mandatory if this response is not the first page
prev	URI	Conditional	URI to the previous page of this set. Mandatory if this response is not the first page
next	URI	Conditional	URI to the next page of this set. Mandatory if this response is not the last page
last	URI	Conditional	URI to the last page of this set. Mandatory if this response is not the last page
}			
meta	Object	Mandatory	
{			
totalRecords	PositiveInteger	Mandatory	The total number of records in the full set
totalPages	PositiveInteger	Mandatory	The total number of pages in the full set
}			

Implementation Considerations

A full binding standard applicable to the energy designation has not yet been defined and there is no existing implementation that could be impacted by this proposal. As a result there are no implementation or transition considerations to explore.