

API for Product Costing v1 (Administration)

Overview

An API to post, put, get and delete [product costing](#) data.

API General Info

Response Content Type

It is possible to switch between `json` and `xml` response types by setting an `Accept` header to either `application/json` or `application/xml` respectively.

Successful Responses

Response Codes

- **200** - The request was executed successfully and the server returned some data. The return content type is specified inside a response header called `content-type`. Example content types are `application/xml`, `application/json`, `application/zip` and `text/plain`.
- **204** - The request was executed successfully and the server returned no data. If the `Location` header was present then the server responded with a redirect.

Error Responses

If the API call resulted in an error then the error code will be returned along with the error object in the response body. The error object contains the attributes listed below:

- **type** - type of the error
- **cause** - the root cause of the error
- **message** - message containing details of the related error
- **uuid** - a unique identifier of the error which also may appear in the exception logs
- **timestamp** - the time of the error

Note: For chunked responses, the socket will be closed prematurely if an error occurs after the initial chunk containing the status code has been sent.

Response Codes

- **400** - The request contains invalid parameters or there are invalid settings. Consult the error message and/or check Administration for invalid settings.
- **401** - The user is not authenticated.
- **403** - The user is not authorized access to the specified endpoint.
- **404** - The specified endpoint does not exist or a request parameter is invalid. Consult the error message.
- **405** - The specified endpoint does not support the requested operation. Consult the error message.
- **409** - The specified endpoint is in a state incompatible with the requested operation. Consult the error message.
- **500** - Unknown error occurred while processing the request. Consult the CPQ logs for more information.
- **504** - The specified concurrent calls limit was exceeded and the server was not able to serve the response in a specified timeout limit. That error is always served with the xml body containing the description.

Endpoints by Category

Cost Category

GET /api/product-costing/v1/[ticketId]/category/list

Retrieve all cost categories defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostCategoryListOutput	A list of cost category resources

GET /api/product-costing/v1/[ticketId]/category/[id]

Retrieves a cost category defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost category resource
<i>Result</i>	GetCostCategoryOutput	The cost category resource

GET /api/product-costing/v1/[ticketId]/category?name=[name]

Retrieves a cost category defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost category resource
<i>Result</i>	GetCostCategoryOutput	The cost category resource

POST /api/product-costing/v1/[ticketId]/category/list?input=[input]

Create, update or delete cost categories defined in the ticket. Posted categories not already present will be created, posted existing categories will be updated keeping their original ids and not posted existing categories will be deleted if the optional remove-not-replaced value is true.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostCategoryListInput	The list of cost categories to update all existing cost categories with
<i>Result</i>	PostCostCategoryListOutput	A list of named category references

POST /api/product-costing/v1/[ticketId]/category?input=[input]

Create or update a cost category defined in the ticket. Posted category not already present will be created, posted existing category will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostCategoryInput	The cost category to create or update
<i>Result</i>	PostCostCategoryOutput	The named category reference

PUT /api/product-costing/v1/[ticketId]/category/[id]?input=[input]

Update a cost category defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost category resource
input	PutCostCategoryInput	The cost category to update
<i>Result</i>	PutCostCategoryOutput	The named category reference

DELETE /api/product-costing/v1/[ticketId]/category/list?input=[input]

Delete cost categories defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostCategoryListInput	The list of cost category named references to delete
<i>Result</i>	DeleteCostCategoryListOutput	A list of deleted category named references

DELETE /api/product-costing/v1/[ticketId]/category/[id]

Delete a cost category defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the category to delete
<i>Result</i>	DeleteCostCategoryOutput	The deleted category named reference

DELETE /api/product-costing/v1/[ticketId]/category?name=[name]

Delete a cost category defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
name	String	The name of the category to delete
<i>Result</i>	DeleteCostCategoryOutput	The deleted category named reference

Cost Category Element Item

GET /api/product-costing/v1/[ticketId]/category-element-item/list

Retrieve all cost category element items defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostCategoryElementItemListOutput	A list of cost category element item resources

GET /api/product-costing/v1/[ticketId]/category-element-item/[id]

Retrieves a cost category element item defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost category element item resource
<i>Result</i>	GetCostCategoryElementItemOutput	The cost category element item resource

POST /api/product-costing/v1/[ticketId]/category-element-item/list?input=[input]

Create, update or delete cost category element items defined in the ticket. Posted category element items not already present will be created, posted existing category element items will be updated keeping their original ids and not posted existing category element items will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostCategoryElementItemListInput	The list of cost category element items to update all existing cost category items with
<i>Result</i>	PostCostCategoryElementItemListOutput	A list of cost category element items references

POST /api/product-costing/v1/[ticketId]/category-element-item?input=[input]

Create or update a cost category element item defined in the ticket. Posted cost category element item not already present will be created, posted existing cost category element item will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostCategoryElementItemInput	The cost category element item to create or update
<i>Result</i>	PostCostCategoryElementItemOutput	The cost category element item reference

PUT /api/product-costing/v1/[ticketId]/category-element-item/[id]?input=[input]

Update a cost category element item defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
id	String	The identity of the target cost category element item resource
input	PutCostCategoryElementItemInput	The cost category element item to update
<i>Result</i>	PutCostCategoryElementItemOutput	The cost category element item reference

DELETE /api/product-costing/v1/[ticketId]/category-element-item/list?input=[input]

Delete cost category element items defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostCategoryElementItemListInput	The list of cost category element items to be deleted
<i>Result</i>	DeleteCostCategoryElementItemListOutput	A list of deleted cost category element item references

DELETE /api/product-costing/v1/[ticketId]/category-element-item/[id]

Delete a cost category element item defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost category element

Parameter	Type	Description
		item to be deleted
<i>Result</i>	DeleteCostCategoryElementItemReferenceOutput	The deleted cost category element item reference

Cost Category Variant Item

GET /api/product-costing/v1/[ticketId]/category-variant-item/list

Retrieve all cost category variant items defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostCategoryVariantItemListOutput	A list of cost category variant item resources

GET /api/product-costing/v1/[ticketId]/category-variant-item/[id]

Retrieve a cost category variant item defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost category variant item resource
<i>Result</i>	GetCostCategoryVariantItemOutput	The cost category variant item resource

POST /api/product-costing/v1/[ticketId]/category-variant-item/list?input=[input]

Create, update or delete cost category variant items defined in the ticket. Posted category variant items not already present will be created, posted existing category variant items will be

updated keeping their original ids and not posted existing category variant items will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostCategoryVariantItemListInput	The list of cost category variant items to update all existing cost category items with
<i>Result</i>	PostCostCategoryVariantItemListOutput	A list of cost category variant items references

POST /api/product-costing/v1/[ticketId]/category-variant-item?input=[input]

Create or update a cost category variant item defined in the ticket. Posted category variant item not already present will be created, posted existing category variant item will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostCategoryVariantItemInput	The cost category variant item to create or update
<i>Result</i>	PostCostCategoryVariantItemOutput	The cost category variant items reference

PUT /api/product-costing/v1/[ticketId]/category-variant-item/[id]?input=[input]

Update a cost category variant item defined in the ticket.

If the supplied reference cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost category variant item resource
input	PutCostCategoryVariantItemInput	The cost category variant item to update
<i>Result</i>	PutCostCategoryVariantItemOutput	The cost category variant items reference

DELETE /api/product-costing/v1/[ticketId]/category-variant-item/list?input=[input]

Delete cost category variant items defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostCategoryVariantItemReferenceListInput	The list of cost category variant items to be deleted
<i>Result</i>	DeleteCostCategoryVariantItemReferenceListOutput	A list of deleted cost category variant items references

DELETE /api/product-costing/v1/[ticketId]/category-variant-item/[id]

Delete a cost category variant item defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
id	String	The id of the cost category variant item to be deleted
<i>Result</i>	DeleteCostCategoryVariantItemReferenceOutput	The deleted cost category variant item reference

Cost Element

GET /api/product-costing/v1/[ticketId]/element/list

Retrieve all cost elements defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostElementListOutput	A list of cost element resources

GET /api/product-costing/v1/[ticketId]/element/[id]

Retrieves a cost element defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost element resource
<i>Result</i>	GetCostElementOutput	The cost element resource

GET /api/product-costing/v1/[ticketId]/element?name=[name]

Retrieves a cost element defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost element resource
<i>Result</i>	GetCostElementOutput	The cost element resource

POST /api/product-costing/v1/[ticketId]/element/list?input=[input]

Create, update or delete cost elements defined in the ticket. Posted elements not already present will be created, posted existing elements will be updated keeping their original ids and not posted existing elements will be deleted if the optional remove-not-replaced value is true.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostElementListInput	The list of cost element to update all existing cost elements with
<i>Result</i>	PostCostElementListOutput	A list of named cost element references

POST /api/product-costing/v1/[ticketId]/element?input=[input]

Create or update a cost element defined in the ticket. Posted element not already present will be created, posted existing element will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostElementInput	The cost element to create or update
<i>Result</i>	PostCostElementOutput	The named element reference

PUT /api/product-costing/v1/[ticketId]/element/[id]?input=[input]

Update a cost element defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost element resource
input	PutCostElementInput	The cost element to update
<i>Result</i>	PutCostElementOutput	The named element reference

DELETE /api/product-costing/v1/[ticketId]/element/list?input=[input]

Delete cost elements defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostElementListInput	The list of cost elements to be deleted
<i>Result</i>	DeleteCostElementListOutput	A list of deleted cost element named references

DELETE /api/product-costing/v1/[ticketId]/element/[id]

Delete a cost element defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost element to be deleted
<i>Result</i>	DeleteCostElementOutput	The deleted cost element named reference

DELETE /api/product-costing/v1/[ticketId]/element?name=[name]

Delete a cost element defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
name	String	The name of cost element to be deleted
<i>Result</i>	DeleteCostElementOutput	The deleted cost element named reference

Cost Element Module Item

GET /api/product-costing/v1/[ticketId]/element-module-item/[id]

Retrieve a cost element module item defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost element module item resource
<i>Result</i>	GetCostElementModuleItemOutput	The cost element module item resource

POST /api/product-costing/v1/[ticketId]/element-module-item/list?input=[input]

Create, update or delete cost element module items defined in the ticket. Posted element module items not already present will be created, posted existing element module items will be updated keeping their original ids and not posted existing element module items will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostElementModuleItemListInput	The list of cost element module items to update all existing cost element items with
<i>Result</i>	PostCostElementModuleItemListOutput	A list of cost element module

Parameter	Type	Description
		items references

POST /api/product-costing/v1/[ticketId]/element-module-item?input=[input]

Create or update a cost element module item defined in the ticket. Posted element module item not already present will be created, posted existing existing element module item will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostElementModuleItemInput	The cost element module item to create or update
<i>Result</i>	PostCostElementModuleItemOutput	A cost element module item reference

PUT /api/product-costing/v1/[ticketId]/element-module-item/[id]?input=[input]

Update a cost element module item defined in the ticket.

If the supplied reference cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost element module item resource
input	PutCostElementModuleItemInput	The cost element module item to update
<i>Result</i>	PutCostElementModuleItemOutput	A cost element module item reference

DELETE /api/product-costing/v1/[ticketId]/element-module-item/list?input=[input]

Delete cost element module items defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostElementModuleItemReferenceListInput	The list of cost element module items to be deleted
<i>Result</i>	DeleteCostElementModuleItemReferenceListOutput	A list of deleted cost element module item references

DELETE /api/product-costing/v1/[ticketId]/element-module-item/[id]

Delete a cost element module item defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost element module item to be deleted
<i>Result</i>	DeleteCostElementModuleItemOutput	The deleted cost element module item reference

Cost Element Table

GET /api/product-costing/v1/[ticketId]/element-cost-table/list

Retrieve all cost element cost tables defined in the ticket, table data excluded. Retrieve tables individually to also retrieve the data.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostElementCostTableListOutput	A list of element cost table resources

GET /api/product-costing/v1/[ticketId]/element-cost-table/[id]

Retrieve a cost element cost table defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the element cost table resource
<i>Result</i>	GetCostElementCostTableOutput	An element cost table resource

GET /api/product-costing/v1/[ticketId]/element-cost-table?name=[name]

Retrieve a cost element cost table defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the element cost table
<i>Result</i>	GetCostElementCostTableOutput	An element cost table resource

POST /api/product-costing/v1/[ticketId]/element-cost-table?input=[input]

Create or update an existing cost element cost table. Posted rows and cells not already present will be created, posted existing rows and cells will be updated keeping their original ids and not posted existing rows and cells will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostElementCostTableInput	The element cost table to create or update the existing element cost table with
<i>Result</i>	PostCostElementCostTableOutput	A named reference to the element cost table

PUT /api/product-costing/v1/[ticketId]/element-cost-table/[id]?input=[input]

Update an existing cost element cost table. Posted rows and cells not already present will be created, posted existing rows and cells will be updated keeping their original ids and not posted existing rows and cells will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target element cost table resource
input	PutCostElementCostTableInput	The element cost table to update the existing element cost table with
<i>Result</i>	PutCostElementCostTableOutput	A named reference to the element cost table

DELETE /api/product-costing/v1/[ticketId]/element-cost-table/list?input=[input]

Delete cost element cost tables defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostElementCostTableListInput	The list of cost element cost table

Parameter	Type	Description
		named references to be deleted
<i>Result</i>	DeleteCostElementCostTableListOutput	A list of deleted cost element cost table named references

DELETE /api/product-costing/v1/[ticketId]/element-cost-table/[id]

Delete a cost element cost table defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost element cost table to be deleted
<i>Result</i>	DeleteCostElementCostTableOutput	The deleted cost element cost table named reference

DELETE /api/product-costing/v1/[ticketId]/element-cost-table?name=[name]

Delete a cost element cost table defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost element cost table to be deleted
<i>Result</i>	DeleteCostElementCostTableOutput	The deleted cost element cost table named reference

Cost Element Variant Item

GET /api/product-costing/v1/[ticketId]/element-module-item/list

Retrieve all cost element module items defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostElementModuleItemListOutput	A list of cost element module item resources

GET /api/product-costing/v1/[ticketId]/element-variant-item/list

Retrieve all cost element variant items defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostElementVariantItemListOutput	A list of cost element variant item resources

GET /api/product-costing/v1/[ticketId]/element-variant-item/[id]

Retrieve a cost element variant item defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost element variant item resource
<i>Result</i>	GetCostElementVariantItemOutput	The cost element variant item resource

POST /api/product-costing/v1/[ticketId]/element-variant-item/list?input=[input]

Create, update or delete cost element variant items defined in the ticket. Posted element variant items not already present will be created, posted existing element variant items will be updated keeping their original ids and not posted existing element variant items will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostElementVariantItemListInput	The list of cost element variant items to update all existing cost element items with
<i>Result</i>	PostCostElementVariantItemListOutput	A list of cost element variant items references

POST /api/product-costing/v1/[ticketId]/element-variant-item?input=[input]

Create or update a cost element variant item defined in the ticket. Posted element variant item not already present will be created, posted existing existing element variant item will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostElementVariantItemInput	The cost element variant item to create or update
<i>Result</i>	PostCostElementVariantItemOutput	A cost element variant item reference

PUT /api/product-costing/v1/[ticketId]/element-variant-item/[id]?input=[input]

Update a cost element variant item defined in the ticket.

If the supplied reference cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost element variant item resource

Parameter	Type	Description
input	PutCostElementVariantItemInput	The cost element variant item to update
<i>Result</i>	PutCostElementVariantItemOutput	A cost element variant item reference

DELETE /api/product-costing/v1/[ticketId]/element-variant-item/list?input=[input]

Delete cost element variant items defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostElementVariantItemReferenceListInput	The list of cost element variant items to be deleted
<i>Result</i>	DeleteCostElementVariantItemReferenceListOutput	A list of deleted cost element variant item references

DELETE /api/product-costing/v1/[ticketId]/element-variant-item/[id]

Delete a cost element variant item defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost element variant item to be deleted
<i>Result</i>	DeleteCostElementVariantItemOutput	The deleted cost element variant item

Parameter	Type	Description
		reference

Cost Global Feature

GET /api/product-costing/v1/[ticketId]/global-feature/list

Retrieve all global cost features defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostGlobalFeatureListOutput	A list of global feature resources

GET /api/product-costing/v1/[ticketId]/global-feature/[id]

Retrieves a cost global feature defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost global feature resource
<i>Result</i>	GetCostGlobalFeatureOutput	The cost global feature resource

GET /api/product-costing/v1/[ticketId]/global-feature?name=[name]

Retrieves a cost global feature defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost global feature resource
<i>Result</i>	GetCostGlobalFeatureOutput	The cost global feature resource

POST /api/product-costing/v1/[ticketId]/global-feature/list?input=[input]

Create, update or delete cost global feature defined in the ticket. Posted global features not already present will be created, posted existing global features will be updated keeping their original ids and not posted existing global features will be deleted if the optional remove-not-replaced value is true.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostGlobalFeatureListInput	The list of cost global features to update all existing cost global features with
<i>Result</i>	PostCostGlobalFeatureListOutput	A list of named global features references

POST /api/product-costing/v1/[ticketId]/global-feature?input=[input]

Create or update a cost global feature defined in the ticket. Posted global feature not already present will be created, posted existing global feature will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostGlobalFeatureInput	The cost global feature to create or update
<i>Result</i>	PostCostGlobalFeatureOutput	The named global feature reference

PUT /api/product-costing/v1/[ticketId]/global-feature/[id]?input=[input]

Update a cost global feature defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost global feature resource
input	PutCostGlobalFeatureInput	The cost global feature to update

Parameter	Type	Description
<i>Result</i>	PutCostGlobalFeatureOutput	The named global feature reference

DELETE /api/product-costing/v1/[ticketId]/global-feature/list?input=[input]

Delete cost global feature defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostGlobalFeatureListInput	The list of cost global feature named references to delete
<i>Result</i>	DeleteCostGlobalFeatureListOutput	A list of deleted global feature named references

DELETE /api/product-costing/v1/[ticketId]/global-feature/[id]

Delete a cost global feature defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the global feature to delete
<i>Result</i>	DeleteCostGlobalFeatureOutput	The deleted global feature named reference

DELETE /api/product-costing/v1/[ticketId]/global-feature?name=[name]

Delete a cost global feature defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the global feature to delete

Parameter	Type	Description
<i>Result</i>	DeleteCostGlobalFeatureOutput	The deleted global feature named reference

Cost Parameter

GET /api/product-costing/v1/[ticketId]/parameter/list

Retrieve all cost parameters defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostParameterListOutput	A list of cost parameter resources

GET /api/product-costing/v1/[ticketId]/parameter/[id]

Retrieves a cost parameter defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost parameter resource
<i>Result</i>	GetCostParameterOutput	The cost parameter resource

GET /api/product-costing/v1/[ticketId]/parameter?name=[name]

Retrieves a cost parameter defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost parameter resource
<i>Result</i>	GetCostParameterOutput	The cost parameter resource

POST /api/product-costing/v1/[ticketId]/parameter/list?input=[input]

Create, update or delete cost parameters defined in the ticket. Posted parameters not already present will be created, posted existing parameters will be updated keeping their original ids

and not posted existing parameters will be deleted if the optional remove-not-replaced value is true.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostParameterListInput	The list of cost parameters to update all existing cost parameters with
<i>Result</i>	PostCostParameterListOutput	A list of cost parameter named references

POST /api/product-costing/v1/[ticketId]/parameter?input=[input]

Create or update a cost parameter defined in the ticket. Posted parameter not already present will be created, posted existing parameter will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostParameterInput	The cost parameter to create or update
<i>Result</i>	PostCostParameterOutput	The named parameter reference

PUT /api/product-costing/v1/[ticketId]/parameter/[id]?input=[input]

Update a cost parameter defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost parameter resource
input	PutCostParameterInput	The cost parameter to update
<i>Result</i>	PutCostParameterOutput	The named parameter reference

DELETE /api/product-costing/v1/[ticketId]/parameter/list?input=[input]

Delete cost parameters defined in a ticket. Posted existing parameters will be deleted

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostParameterListInput	The list of cost parameters to be deleted
<i>Result</i>	DeleteCostParameterListOutput	A list of deleted cost parameter named references

DELETE /api/product-costing/v1/[ticketId]/parameter/[id]

Delete a cost parameter defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost parameter to be deleted
<i>Result</i>	DeleteCostParameterOutput	The deleted cost parameter named reference

DELETE /api/product-costing/v1/[ticketId]/parameter?name=[name]

Delete a cost parameter defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of cost parameter to be deleted
<i>Result</i>	DeleteCostParameterOutput	The deleted cost parameter named reference

Cost Parameter Table

GET /api/product-costing/v1/[ticketId]/parameter-table/list

Retrieve all cost parameter tables defined in the ticket, table data excluded. Retrieve tables individually to also retrieve the data.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostParameterTableListOutput	A list of parameter table resources

GET /api/product-costing/v1/[ticketId]/parameter-table/[id]

Retrieve a cost parameter table defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the parameter table resource
<i>Result</i>	GetCostParameterTableOutput	A parameter table resource

GET /api/product-costing/v1/[ticketId]/parameter-table?name=[name]

Retrieve a cost parameter table defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the parameter table
<i>Result</i>	GetCostParameterTableOutput	A parameter table resource

POST /api/product-costing/v1/[ticketId]/parameter-table?input=[input]

Create or update an existing cost parameter table. Posted rows and cells not already present will be created, posted existing rows and cells will be updated keeping their original ids and not posted existing rows and cells will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
input	PostCostParameterTableInput	The parameter table to create or update the existing element cost table with
<i>Result</i>	PostCostParameterTableOutput	A named reference to the element cost table resource

PUT /api/product-costing/v1/[ticketId]/parameter-table/[id]?input=[input]

Update an existing cost parameter table. Posted rows and cells not already present will be created, posted existing rows and cells will be updated keeping their original ids and not posted existing rows and cells will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target parameter table resource
input	PutCostParameterTableInput	The parameter table to update the existing parameter table with
<i>Result</i>	PutCostParameterTableOutput	A named reference to the parameter table resource

DELETE /api/product-costing/v1/[ticketId]/parameter-table/list?input=[input]

Delete cost parameter tables defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostParameterTableListInput	The list of cost parameter table named references to be deleted

Parameter	Type	Description
<i>Result</i>	DeleteCostParameterTableListOutput	A list of deleted cost parameter table named references

DELETE /api/product-costing/v1/[ticketId]/parameter-table/[id]

Delete a cost parameter table defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost parameter table to be deleted
<i>Result</i>	DeleteCostParameterTableOutput	The deleted cost parameter table named reference

DELETE /api/product-costing/v1/[ticketId]/parameter-table?name=[name]

Delete a cost parameter table defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost parameter table to be deleted
<i>Result</i>	DeleteCostParameterTableOutput	The deleted cost parameter table named reference

Cost Sub Element

GET /api/product-costing/v1/[ticketId]/sub-element/list

Retrieve all cost sub elements defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostSubElementListOutput	A list of cost sub element resources

GET /api/product-costing/v1/[ticketId]/sub-element/[id]

Retrieves a cost sub element defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost sub element resource
<i>Result</i>	GetCostSubElementOutput	The cost sub element resource

GET /api/product-costing/v1/[ticketId]/sub-element?name=[name]

Retrieves a cost sub element defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost sub element resource
<i>Result</i>	GetCostSubElementOutput	The cost sub element resource

POST /api/product-costing/v1/[ticketId]/sub-element/list?input=[input]

Create, update or delete cost sub elements defined in the ticket. Posted sub elements not already present will be created, posted existing sub elements will be updated keeping their original ids and not posted existing sub elements will be deleted if the optional remove-not-replaced value is true.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostSubElementListInput	The list of cost sub element to update all existing cost sub elements with

Parameter	Type	Description
<i>Result</i>	PostCostSubElementListOutput	A list of named cost sub element references

POST /api/product-costing/v1/[ticketId]/sub-element?input=[input]

Create or update a cost sub element defined in the ticket. Posted sub element not already present will be created, posted existing sub element will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostSubElementInput	The cost sub element to create or update
<i>Result</i>	PostCostSubElementOutput	The named sub element reference

PUT /api/product-costing/v1/[ticketId]/sub-element/[id]?input=[input]

Update a cost sub element defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost sub element resource
input	PutCostSubElementInput	The cost sub element to update
<i>Result</i>	PutCostSubElementOutput	The named sub element reference

DELETE /api/product-costing/v1/[ticketId]/sub-element/list?input=[input]

Delete cost sub elements defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
input	DeleteCostSubElementListInput	The list of cost sub elements to be deleted
<i>Result</i>	DeleteCostSubElementListOutput	A list of deleted cost sub element named references

DELETE /api/product-costing/v1/[ticketId]/sub-element/[id]

Delete a cost sub element item defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost sub element to be deleted
<i>Result</i>	DeleteCostSubElementOutput	The deleted cost sub element named reference

DELETE /api/product-costing/v1/[ticketId]/sub-element?name=[name]

Delete a cost sub element item defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost sub element to be deleted
<i>Result</i>	DeleteCostSubElementOutput	The deleted cost sub element named reference

Cost Sub Element Item

GET /api/product-costing/v1/[ticketId]/sub-element-item/list

Retrieve all cost sub element items defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
<i>Result</i>	GetCostSubElementItemOutput	A list of cost sub element item resources

GET /api/product-costing/v1/[ticketId]/sub-element-item/[id]

Retrieves a cost sub element item defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the cost sub element item resource
<i>Result</i>	GetCostSubElementItemOutput	The cost sub element item resource

POST /api/product-costing/v1/[ticketId]/sub-element-item/list?input=[input]

Create, update or delete cost sub element items defined in the ticket. Posted sub element items not already present will be created, posted existing sub element items will be updated keeping their original ids and not posted existing sub element items will be deleted if the optional remove-not-replaced value is true. If there are several sub element items of one cost element pointing to the same cost sub element then the update operation may fail. Use PUT method to update cost sub element items instead.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostSubElementItemListInput	The list of cost sub element items to update all existing cost sub element items with
<i>Result</i>	PostCostSubElementItemListOutput	A list of cost sub element items references

PUT /api/product-costing/v1/[ticketId]/sub-element-item/list?input=[input]

Update cost sub element items defined in the ticket. If any of the supplied references including reference to an existing cost list row item cannot be resolved the operation will fail.

It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PutCostSubElementItemResourceListInput	The list of cost sub element item resources to update all existing cost sub element items with
<i>Result</i>	PutCostSubElementItemListOutput	A list of updated cost sub element items references

POST /api/product-costing/v1/[ticketId]/sub-element-item?input=[input]

Create or update a cost sub element item defined in the ticket. Posted cost sub element item not already present will be created, posted existing cost sub element item will be updated keeping its original id.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostSubElementItemInput	The cost sub element item to create or update
<i>Result</i>	PostCostSubElementItemOutput	The cost sub element item reference

PUT /api/product-costing/v1/[ticketId]/sub-element-item/[id]?input=[input]

Update a cost sub element item defined in the ticket.

If the supplied reference cannot be resolved the operation will fail. It is therefore important to create the referenced resource first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target cost sub element item

Parameter	Type	Description
		resource
input	PutCostSubElementItemInput	The cost category sub item to update
<i>Result</i>	PutCostSubElementItemOutput	The cost category sub item reference

DELETE /api/product-costing/v1/[ticketId]/sub-element-item/list?input=[input]

Delete cost sub element items defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostSubElementItemListInput	The list of cost sub element item ids to be deleted
<i>Result</i>	DeleteCostSubElementItemListOutput	A list of deleted cost sub element item references

DELETE /api/product-costing/v1/[ticketId]/sub-element-item/[id]

Delete a cost sub element item defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of cost sub element item to be deleted
<i>Result</i>	DeleteCostSubElementItemOutput	The deleted cost sub element item reference

Cost Sub Element Table

GET /api/product-costing/v1/[ticketId]/sub-element-cost-table/list

Retrieve all cost sub element cost tables defined in the ticket, table data excluded. Retrieve tables individually to also retrieve the data.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostSubElementCostTableListOutput	A list of sub element cost table resources

GET /api/product-costing/v1/[ticketId]/sub-element-cost-table/[id]

Retrieve a cost sub element cost table defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the sub element cost table resource
<i>Result</i>	GetCostSubElementCostTableOutput	A sub element cost table resource

GET /api/product-costing/v1/[ticketId]/sub-element-cost-table?name=[name]

Retrieve a cost sub element cost table defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the sub element cost table
<i>Result</i>	GetCostSubElementCostTableOutput	A sub element cost table resource

POST /api/product-costing/v1/[ticketId]/sub-element-cost-table?input=[input]

Create or update an existing cost sub element cost table. Posted rows and cells not already present will be created, posted existing rows and cells will be updated keeping their original ids and not posted existing rows and cells will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostSubElementCostTableInput	The element cost table to create or update the existing element cost table with
<i>Result</i>	PostCostSubElementCostTableOutput	A named reference to the element cost table

PUT /api/product-costing/v1/[ticketId]/sub-element-cost-table/[id]?input=[input]

Update an existing cost sub element cost table. Posted rows and cells not already present will be created, posted existing rows and cells will be updated keeping their original ids and not posted existing rows and cells will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target sub element cost table resource
input	PutCostSubElementCostTableInput	The sub element cost table to update the existing sub element cost table with
<i>Result</i>	PutCostSubElementCostTableOutput	A named reference to the sub element cost table

DELETE /api/product-costing/v1/[ticketId]/sub-element-cost-table/list?input=[input]

Delete cost sub element cost tables defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostSubElementCostTableListInput	The list of cost sub element cost table named references to be deleted
<i>Result</i>	DeleteCostSubElementCostTableListOutput	A list of deleted cost sub element cost table named references

DELETE /api/product-costing/v1/[ticketId]/sub-element-cost-table/[id]

Delete a cost sub element cost table defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost sub element cost table to be deleted
<i>Result</i>	DeleteCostSubElementCostTableOutput	The deleted cost sub element cost table named reference

DELETE /api/product-costing/v1/[ticketId]/sub-element-cost-table?name=[name]

Delete a cost sub element cost table defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost sub element

Parameter	Type	Description
		cost table to be deleted
<i>Result</i>	DeleteCostSubElementCostTableOutput	The deleted cost sub element cost table named reference

Cost Variant Table

GET /api/product-costing/v1/[ticketId]/variant-cost-table/list

Retrieve all cost variant cost tables defined in the ticket, table data excluded. Retrieve tables individually to also retrieve the data.

Parameter	Type	Description
ticketId	String	The identity of the ticket
<i>Result</i>	GetCostVariantCostTableListOutput	A list of variant cost table resources

GET /api/product-costing/v1/[ticketId]/variant-cost-table/[id]

Retrieve a cost variant cost table defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the variant cost table resource
<i>Result</i>	GetCostVariantCostTableOutput	A variant cost table resource

GET /api/product-costing/v1/[ticketId]/variant-cost-table?name=[name]

Retrieve a cost variant cost table defined in the ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket

Parameter	Type	Description
name	String	The name of the variant cost table
<i>Result</i>	GetCostVariantCostTableOutput	A variant cost table resource

POST /api/product-costing/v1/[ticketId]/variant-cost-table?input=[input]

Create or update an existing cost variant cost table. Posted rows and cells not already present will be created, posted existing rows and cells will be updated keeping their original ids and not posted existing rows and cells will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	PostCostVariantCostTableInput	The variant cost table to create or update the existing variant cost table with
<i>Result</i>	PostCostVariantCostTableOutput	A named reference to the variant cost table

PUT /api/product-costing/v1/[ticketId]/variant-cost-table/[id]?input=[input]

Update an existing cost variant cost table. Posted rows and cells not already present will be created, posted existing rows and cells will be updated keeping their original ids and not posted existing rows and cells will be deleted if the optional remove-not-replaced value is true.

If any of the supplied references cannot be resolved the entire operation will fail. It is therefore important to create the referenced resources first.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The identity of the target variant cost table resource

Parameter	Type	Description
input	PutCostVariantCostTableInput	The variant cost table to update the existing variant cost table with
<i>Result</i>	PutCostVariantCostTableOutput	A named reference to the variant cost table

DELETE /api/product-costing/v1/[ticketId]/variant-cost-table/list?input=[input]

Delete cost variant cost tables defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
input	DeleteCostVariantCostTableListInput	The list of cost variant cost table named references to be deleted
<i>Result</i>	DeleteCostVariantCostTableListOutput	A list of deleted cost variant cost table named references

DELETE /api/product-costing/v1/[ticketId]/variant-cost-table/[id]

Delete a cost variant cost table defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
id	String	The id of the cost variant cost table to be deleted
<i>Result</i>	DeleteCostVariantCostTableOutput	The deleted cost variant cost table named reference

DELETE /api/product-costing/v1/[ticketId]/variant-cost-table?name=[name]

Delete a cost variant cost table defined in a ticket.

Parameter	Type	Description
ticketId	String	The identity of the ticket
name	String	The name of the cost variant cost table to be deleted
<i>Result</i>	DeleteCostVariantCostTableOutput	The deleted cost variant cost table named reference

Data Types by Category

Cost Category

DeleteCostCategoryListInput

Delete cost category list input.

	JSON	XML
	<pre>{ "costCategoryNamedReferenceList" : [{ "id" : "", // The cost category resource id. "name" : "" // The cost category name. }, ...] // The cost category named reference list. }</pre>	

DeleteCostCategoryListOutput

A delete cost category list output.

	JSON	XML
	<pre>{ "costCategoryNamedReferenceList" : [{ "id" : "", // The cost category resource id. "name" : "" // The cost category name. }, ...] // The cost category named reference list. }</pre>	

DeleteCostCategoryOutput

A delete cost category named reference output.

JSON XML

```
{
  "costCategoryNamedReference" : {
    "id" : "", // The cost category resource id.
    "name" : "" // The cost category name.
  } // The cost category named reference.
}
```

GetCostCategoryListOutput

A get cost category resource list output.

JSON XML

```
{
  "costCategoryResourceList" : [
    {
      "costCategoryReference" : {
        "id" : "" // The cost category resource id.
      }, // The cost category reference.
      "costCategory" : {
        "name" : "", // The cost category name.
        "description" : "", // The cost category description.
        "descriptionTranslations" : {
          "key" : ""
        }, // The cost category description translations by language.
        "type" : "", // The cost category type.
        "costFormula" : "" // The cost category formula.
      } // The cost category.
    },
    ...
  ] // The cost category resource list.
}
```

GetCostCategoryOutput

A get cost category resource output.

JSON XML

```
{
  "costCategoryResource" : {
    "costCategoryReference" : {
      "id" : "" // The cost category resource id.
    }, // The cost category reference.
    "costCategory" : {
      "name" : "", // The cost category name.
      "description" : "", // The cost category description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost category description translations by language.
      "type" : "", // The cost category type.
      "costFormula" : "" // The cost category formula.
    } // The cost category.
  } // The cost category resource.
}
```

PostCostCategoryInput

A post cost category input.

JSON XML

```
{
  "costCategory" : {
    "name" : "", // The cost category name.
    "description" : "", // The cost category description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost category description translations by language.
    "type" : "", // The cost category type.
    "costFormula" : "" // The cost category formula.
  } // The cost category.
}
```

PostCostCategoryListInput

A post cost category list input.

JSON XML

```
{
  "costCategoryList" : [
    {
      "name" : "", // The cost category name.
      "description" : "", // The cost category description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost category description translations by language.
      "type" : "", // The cost category type.
      "costFormula" : "" // The cost category formula.
    },
    ...
  ], // The cost category list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostCategoryListOutput

A post cost category list output.

JSON XML

```
{
  "costCategoryNamedReferenceList" : [
    {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    },
    ...
  ] // The cost category reference list.
}
```

PostCostCategoryOutput

A post cost category output.

JSON XML

```
{
  "costCategoryNamedReference" : {
    "id" : "", // The cost category resource id.
    "name" : "" // The cost category name.
  } // The cost category reference.
}
```

PutCostCategoryInput

A put cost category input.

JSON XML

```
{
  "costCategory" : {
    "name" : "", // The cost category name.
    "description" : "", // The cost category description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost category description translations by language.
    "type" : "", // The cost category type.
    "costFormula" : "" // The cost category formula.
  } // The cost category.
}
```

PutCostCategoryOutput

A put cost category output.

JSON XML

```
{
  "costCategoryNamedReference" : {
    "id" : "", // The cost category resource id.
    "name" : "" // The cost category name.
  } // The cost category reference.
}
```

Cost Category Element Item

DeleteCostCategoryElementItemListInput

A delete cost category element item list input.

JSON XML

```
{
  "costCategoryElementItemReferenceList" : [
    {
      "id" : "" // The cost category element item resource id.
    },
    ...
  ] // The cost category element item list.
}
```

DeleteCostCategoryElementItemListOutput

A delete cost category element item reference list output.

JSON XML

```
{
  "costCategoryElementItemReferenceList" : [
    {
      "id" : "" // The cost category element item resource id.
    },
    ...
  ] // The cost category element item reference list.
}
```

DeleteCostCategoryElementItemReferenceOutput

A delete cost category element item output.

JSON XML

```
{
  "costCategoryElementItemreference" : {
    "id" : "" // The cost category element item resource id.
  } // The cost category element item reference.
}
```

GetCostCategoryElementItemListOutput

A get cost category element item resource list output.

```
{
  "costCategoryElementItemResourceList" : [
    {
      "costCategoryElementItemReference" : {
        "id" : "" // The cost category element item resource id.
      }, // The cost category element item reference.
      "costCategoryElementItem" : {
        "cost" : 1.0, // The cost category element item cost.
        "description" : "", // The cost category element item descriptio
        "descriptionTranslations" : {
          "key" : ""
        }, // The cost category element item description translations by
        "costCategoryNamedReference" : {
          "id" : "", // The cost category resource id.
          "name" : "" // The cost category name.
        }, // The cost category named reference.
        "currencyNamedReference" : {
          "id" : "", // The currency resource id.
          "name" : "" // The currency name.
        }, // The currency named reference.
        "costElementNamedReference" : {
          "id" : "", // The cost element resource id.
          "name" : "" // The cost element name.
        }, // The cost element named reference.
        "costGlobalFeatures" : [
          {
            "costGlobalFeatureNamedReference" : {
              "id" : "", // The cost global feature resource id.
              "name" : "" // The cost global feature name.
            }, // The global feature reference.
            "value" : "" // The global feature value.
          },
          ...
        ] // The cost element global features.
      } // The cost category element item.
    },
    ...
  ] // The cost category element item resource list.
}
```

GetCostCategoryElementItemOutput

A get cost category element item resource output.

```
{
  "costCategoryElementItemResource" : {
    "costCategoryElementItemReference" : {
      "id" : "" // The cost category element item resource id.
    }, // The cost category element item reference.
    "costCategoryElementItem" : {
      "cost" : 1.0, // The cost category element item cost.
      "description" : "", // The cost category element item description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost category element item description translations by 1
      "costCategoryNamedReference" : {
        "id" : "", // The cost category resource id.
        "name" : "" // The cost category name.
      }, // The cost category named reference.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "costElementNamedReference" : {
        "id" : "", // The cost element resource id.
        "name" : "" // The cost element name.
      }, // The cost element named reference.
      "costGlobalFeatures" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost element global features.
    } // The cost category element item.
  } // The cost category element item resource.
}
```

PostCostCategoryElementItemInput

A post cost category element item input.

```
{
  "costCategoryElementItem" : {
    "cost" : 1.0, // The cost category element item cost.
    "description" : "", // The cost category element item description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost category element item description translations by lan
    "costCategoryNamedReference" : {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    }, // The cost category named reference.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costElementNamedReference" : {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    }, // The cost element named reference.
    "costGlobalFeatures" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost element global features.
  } // The cost category element item.
}
```

PostCostCategoryElementItemListInput

A post cost category element item list input.

```
{
  "costCategoryElementItemList" : [
    {
      "cost" : 1.0, // The cost category element item cost.
      "description" : "", // The cost category element item description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost category element item description translations by 1
      "costCategoryNamedReference" : {
        "id" : "", // The cost category resource id.
        "name" : "" // The cost category name.
      }, // The cost category named reference.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "costElementNamedReference" : {
        "id" : "", // The cost element resource id.
        "name" : "" // The cost element name.
      }, // The cost element named reference.
      "costGlobalFeatures" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost element global features.
    },
    ...
  ], // The cost category element item list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostCategoryElementItemListOutput

A post cost category element item reference list output.

JSON XML

```
{
  "costCategoryElementItemReferenceList" : [
    {
      "id" : "" // The cost category element item resource id.
    },
    ...
  ] // The cost category element item reference list.
}
```

PostCostCategoryElementItemOutput

A post cost category element item output.

JSON XML

```
{
  "costCategoryElementItemReference" : {
    "id" : "" // The cost category element item resource id.
  } // The cost category element item reference.
}
```

PutCostCategoryElementItemInput

A put cost category element item input.

JSON XML

```
{
  "costCategoryElementItem" : {
    "cost" : 1.0, // The cost category element item cost.
    "description" : "", // The cost category element item description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost category element item description translations by lan
    "costCategoryNamedReference" : {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    }, // The cost category named reference.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costElementNamedReference" : {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    }, // The cost element named reference.
    "costGlobalFeatures" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost element global features.
  } // The cost category element item.
}
```

PutCostCategoryElementItemOutput

A put cost category element item output.

JSON XML

```
{
  "costCategoryElementItemReference" : {
    "id" : "" // The cost category element item resource id.
  } // The cost category element item reference.
}
```

Cost Category Variant Item

DeleteCostCategoryVariantItemReferenceListInput

A delete cost category variant item reference list input.

```
JSON XML
{
  "costCategoryVariantItemReferenceList" : [
    {
      "id" : "" // The cost category variant item resource id.
    },
    ...
  ] // The cost category variant item list.
}
```

DeleteCostCategoryVariantItemReferenceListOutput

A delete cost category variant item reference list output.

```
JSON XML
{
  "costCategoryVariantItemReferenceList" : [
    {
      "id" : "" // The cost category variant item resource id.
    },
    ...
  ] // The cost category variant item reference list.
}
```

DeleteCostCategoryVariantItemReferenceOutput

A delete cost category variant item output.

```
JSON XML
{
  "costCategoryVariantItemreference" : {
    "id" : "" // The cost category variant item resource id.
  } // The cost category element item reference.
}
```

GetCostCategoryVariantItemListOutput

A get cost category variant item resource list output.

```
{
  "costCategoryVariantItemResourceList" : [
    {
      "costCategoryVariantItemReference" : {
        "id" : "" // The cost category variant item resource id.
      }, // The cost category variant item reference.
      "costCategoryVariantItem" : {
        "cost" : 1.0, // The cost category variant item cost.
        "description" : "", // The cost category variant item descriptio
        "descriptionTranslations" : {
          "key" : ""
        }, // The cost category variant item description translations by
        "costCategoryNamedReference" : {
          "id" : "", // The cost category resource id.
          "name" : "" // The cost category name.
        }, // The cost category named reference.
        "currencyNamedReference" : {
          "id" : "", // The currency resource id.
          "name" : "" // The currency name.
        }, // The currency named reference.
        "variantNamedReference" : {
          "id" : "", // The variant resource id.
          "name" : "", // The variant name.
          "parentId" : "", // The parent resource id (Assembly or Module
          "parentName" : "" // The parent name (Assembly or Module).
        }, // The variant named reference.
        "costGlobalFeatures" : [
          {
            "costGlobalFeatureNamedReference" : {
              "id" : "", // The cost global feature resource id.
              "name" : "" // The cost global feature name.
            }, // The global feature reference.
            "value" : "" // The global feature value.
          },
          ...
        ] // The cost element global features.
      } // The cost category variant item.
    },
    ...
  ] // The cost category variant item resource list.
}
```

GetCostCategoryVariantItemOutput

A get cost category variant item resource output.

```
{
  "costCategoryVariantItemResource" : {
    "costCategoryVariantItemReference" : {
      "id" : "" // The cost category variant item resource id.
    }, // The cost category variant item reference.
    "costCategoryVariantItem" : {
      "cost" : 1.0, // The cost category variant item cost.
      "description" : "", // The cost category variant item description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost category variant item description translations by 1
      "costCategoryNamedReference" : {
        "id" : "", // The cost category resource id.
        "name" : "" // The cost category name.
      }, // The cost category named reference.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "variantNamedReference" : {
        "id" : "", // The variant resource id.
        "name" : "", // The variant name.
        "parentId" : "", // The parent resource id (Assembly or Module).
        "parentName" : "" // The parent name (Assembly or Module).
      }, // The variant named reference.
      "costGlobalFeatures" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost element global features.
    } // The cost category variant item.
  } // The cost category variant item resource.
}
```

PostCostCategoryVariantItemInput

A post cost category variant item input.

```
{
  "costCategoryVariantItem" : {
    "cost" : 1.0, // The cost category variant item cost.
    "description" : "", // The cost category variant item description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost category variant item description translations by lan
    "costCategoryNamedReference" : {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    }, // The cost category named reference.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "variantNamedReference" : {
      "id" : "", // The variant resource id.
      "name" : "", // The variant name.
      "parentId" : "", // The parent resource id (Assembly or Module).
      "parentName" : "" // The parent name (Assembly or Module).
    }, // The variant named reference.
    "costGlobalFeatures" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost element global features.
  } // The cost category variant item.
}
```

PostCostCategoryVariantItemListInput

A post cost category variant item list input.

```
{
  "costCategoryVariantItemList" : [
    {
      "cost" : 1.0, // The cost category variant item cost.
      "description" : "", // The cost category variant item description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost category variant item description translations by 1
      "costCategoryNamedReference" : {
        "id" : "", // The cost category resource id.
        "name" : "" // The cost category name.
      }, // The cost category named reference.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "variantNamedReference" : {
        "id" : "", // The variant resource id.
        "name" : "", // The variant name.
        "parentId" : "", // The parent resource id (Assembly or Module).
        "parentName" : "" // The parent name (Assembly or Module).
      }, // The variant named reference.
      "costGlobalFeatures" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost element global features.
    },
    ...
  ], // The cost category variant item list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostCategoryVariantItemListOutput

A post cost category variant item reference list output.

JSON XML

```
{
  "costCategoryVariantItemReferenceList" : [
    {
      "id" : "" // The cost category variant item resource id.
    },
    ...
  ] // The cost category variant item reference list.
}
```

PostCostCategoryVariantItemOutput

A post cost category variant item reference output.

JSON XML

```
{
  "costCategoryVariantItemReference" : {
    "id" : "" // The cost category variant item resource id.
  } // The cost category variant item reference.
}
```

PutCostCategoryVariantItemInput

A put cost category variant item input.

JSON XML

```
{
  "costCategoryVariantItem" : {
    "cost" : 1.0, // The cost category variant item cost.
    "description" : "", // The cost category variant item description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost category variant item description translations by lan
    "costCategoryNamedReference" : {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    }, // The cost category named reference.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "variantNamedReference" : {
      "id" : "", // The variant resource id.
      "name" : "", // The variant name.
      "parentId" : "", // The parent resource id (Assembly or Module).
      "parentName" : "" // The parent name (Assembly or Module).
    }, // The variant named reference.
    "costGlobalFeatures" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost element global features.
  } // The cost category variant item.
}
```

PutCostCategoryVariantItemOutput

A put cost category variant item reference output.

JSON XML

```
{
  "costCategoryVariantItemReference" : {
    "id" : "" // The cost category variant item resource id.
  } // The cost category variant item reference.
}
```

Cost Cost Category

PostCostGlobalFeatureOutput

A post cost global feature output.

JSON XML

```
{
  "costGlobalFeatureNamedReference" : {
    "id" : "", // The cost global feature resource id.
    "name" : "" // The cost global feature name.
  } // The cost global feature reference.
}
```

Cost Element

DeleteCostElementListInput

A delete cost element list input.

JSON XML

```
{
  "costElementNamedReferenceList" : [
    {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    },
    ...
  ] // The cost element named reference list.
}
```

DeleteCostElementListOutput

A delete cost element list output.

JSON XML

```
{
  "costElementNamedReferenceList" : [
    {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    },
    ...
  ] // The cost element named reference list.
}
```

DeleteCostElementOutput

Delete cost element output.

JSON XML

```
{
  "costElementNamedReference" : {
    "id" : "", // The cost element resource id.
    "name" : "" // The cost element name.
  } // The cost parameter named reference.
}
```

GetCostElementListOutput

A get cost element resource list output.

JSON XML

```
{
  "costElementResourceList" : [
    {
      "costElementReference" : {
        "id" : "" // The cost element resource id.
      }, // The cost element reference.
      "costElement" : {
        "name" : "", // The cost element name.
        "status" : "", // The cost element lifecycle state.
        "description" : "", // The cost element description.
        "descriptionTranslations" : {
          "key" : ""
        }, // The cost element description translations by language.
        "costGlobalFeatures" : [
          {
            "costGlobalFeatureNamedReference" : {
              "id" : "", // The cost global feature resource id.
              "name" : "" // The cost global feature name.
            }, // The global feature reference.
            "value" : "" // The global feature value.
          },
          ...
        ] // The cost element global features.
      } // The cost element.
    },
    ...
  ] // The cost element resource list.
}
```

GetCostElementOutput

A get cost element resource output.

```
{
  "costElementResource" : {
    "costElementReference" : {
      "id" : "" // The cost element resource id.
    }, // The cost element reference.
    "costElement" : {
      "name" : "", // The cost element name.
      "status" : "", // The cost element lifecycle state.
      "description" : "", // The cost element description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost element description translations by language.
      "costGlobalFeatures" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost element global features.
    } // The cost element.
  } // The cost element resource.
}
```

PostCostElementInput

A post cost element input.

```
{
  "costElement" : {
    "name" : "", // The cost element name.
    "status" : "", // The cost element lifecycle state.
    "description" : "", // The cost element description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost element description translations by language.
    "costGlobalFeatures" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost element global features.
  } // The cost element.
}
```

PostCostElementListInput

A post cost element list input.

JSON XML

```
{
  "costElementList" : [
    {
      "name" : "", // The cost element name.
      "status" : "", // The cost element lifecycle state.
      "description" : "", // The cost element description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost element description translations by language.
      "costGlobalFeatures" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost element global features.
    },
    ...
  ], // The cost element list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostElementListOutput

A post cost element named reference list output.

JSON XML

```
{
  "costElementNamedReferenceList" : [
    {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    },
    ...
  ] // The cost element named reference list.
}
```

PostCostElementOutput

A post cost element output.

JSON XML

```
{
  "costElementNamedReference" : {
    "id" : "", // The cost element resource id.
    "name" : "" // The cost element name.
  } // The cost element reference.
}
```

PutCostElementInput

A put cost element input.

JSON XML

```
{
  "costElement" : {
    "name" : "", // The cost element name.
    "status" : "", // The cost element lifecycle state.
    "description" : "", // The cost element description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost element description translations by language.
    "costGlobalFeatures" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost element global features.
  } // The cost element.
}
```

PutCostElementOutput

A put cost element output.

JSON XML

```
{
  "costElementNamedReference" : {
    "id" : "", // The cost element resource id.
    "name" : "" // The cost element name.
  } // The cost element reference.
}
```

Cost Element Cost Table

DeleteCostElementCostTableListInput

A delete cost element cost table list input.

JSON XML

```
{
  "CostElementCostTableNamedReferencesList" : [
    {
      "id" : "", // The cost element cost table resource id.
      "name" : "" // The cost element cost table name.
    },
    ...
  ] // The cost sub element item named reference list.
}
```

DeleteCostElementCostTableListOutput

A delete cost element cost table list output.

JSON XML

```
{
  "CostElementCostTableNamedReferencesList" : [
    {
      "id" : "", // The cost element cost table resource id.
      "name" : "" // The cost element cost table name.
    },
    ...
  ] // The cost sub element item named reference list.
}
```

DeleteCostElementCostTableOutput

Delete cost element cost table output.

JSON XML

```
{
  "costElementTableNamedReference" : {
    "id" : "", // The cost element cost table resource id.
    "name" : "" // The cost element cost table name.
  } // The cost element cost table named reference.
}
```

Cost Element Module Item

DeleteCostElementModuleItemOutput

Delete cost element module item output.

JSON XML

```
{
  "costElementModuleItemReference" : {
    "id" : "" // The cost element module item resource id.
  } // The cost element module item reference.
}
```

DeleteCostElementModuleItemReferenceListInput

A delete cost element module item reference list input.

JSON XML

```
{
  "costElementModuleItemReferenceList" : [
    {
      "id" : "" // The cost element module item resource id.
    },
    ...
  ] // The cost element module item list.
}
```

DeleteCostElementModuleItemReferenceListOutput

A delete cost element module item reference list output.

JSON XML

```
{
  "costElementModuleItemReferenceList" : [
    {
      "id" : "" // The cost element module item resource id.
    },
    ...
  ] // The cost element module item reference list.
}
```

GetCostElementModuleItemListOutput

A get cost element module item resource list output.

```
{
  "costElementModuleItemResourceList" : [
    {
      "costElementModuleItemReference" : {
        "id" : "" // The cost element module item resource id.
      }, // The cost element module item reference.
      "costElementModuleItem" : {
        "name" : "", // (Optional) The cost element module item name (Un
        "qty" : 1.0, // The cost element module item qty.
        "preconditionFormula" : "", // The cost element module item prec
        "costElementNamedReference" : {
          "id" : "", // The cost element resource id.
          "name" : "" // The cost element name.
        }, // The cost element named reference.
        "moduleNamedReference" : {
          "id" : "", // The module resource id.
          "name" : "" // The module name.
        } // The module named reference.
      } // The cost element module item.
    },
    ...
  ] // The cost element module item resource list.
}
```

GetCostElementModuleItemOutput

A get cost element module item resource output.

JSON XML

```
{
  "costElementModuleItemResource" : {
    "costElementModuleItemReference" : {
      "id" : "" // The cost element module item resource id.
    }, // The cost element module item reference.
    "costElementModuleItem" : {
      "name" : "", // (Optional) The cost element module item name (Uniq
      "qty" : 1.0, // The cost element module item qty.
      "preconditionFormula" : "", // The cost element module item precon
      "costElementNamedReference" : {
        "id" : "", // The cost element resource id.
        "name" : "" // The cost element name.
      }, // The cost element named reference.
      "moduleNamedReference" : {
        "id" : "", // The module resource id.
        "name" : "" // The module name.
      } // The module named reference.
    } // The cost element module item.
  } // The cost element module item resource.
}
```

PostCostElementModuleItemInput

A post cost element module item input.

JSON XML

```
{
  "costElementModuleItem" : {
    "name" : "", // (Optional) The cost element module item name (Unique
    "qty" : 1.0, // The cost element module item qty.
    "preconditionFormula" : "", // The cost element module item precondi
    "costElementNamedReference" : {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    }, // The cost element named reference.
    "moduleNamedReference" : {
      "id" : "", // The module resource id.
      "name" : "" // The module name.
    } // The module named reference.
  } // The cost element module item.
}
```

PostCostElementModuleItemListInput

A post cost element module item list input.

JSON XML

```
{
  "costElementModuleItemList" : [
    {
      "name" : "", // (Optional) The cost element module item name (Uniq
      "qty" : 1.0, // The cost element module item qty.
      "preconditionFormula" : "", // The cost element module item precon
      "costElementNamedReference" : {
        "id" : "", // The cost element resource id.
        "name" : "" // The cost element name.
      }, // The cost element named reference.
      "moduleNamedReference" : {
        "id" : "", // The module resource id.
        "name" : "" // The module name.
      } // The module named reference.
    },
    ...
  ], // The cost element module item list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostElementModuleItemListOutput

A post cost element module item reference list output.

JSON XML

```
{
  "costElementModuleItemReferenceList" : [
    {
      "id" : "" // The cost element module item resource id.
    },
    ...
  ] // The cost element module item reference list.
}
```

PostCostElementModuleItemOutput

A post cost element module item reference output.

JSON XML

```
{
  "costElementModuleItemReference" : {
    "id" : "" // The cost element module item resource id.
  } // The cost element module item reference.
}
```

PutCostElementModuleItemInput

A put cost element module item input.

```
JSON XML
{
  "costElementModuleItem" : {
    "name" : "", // (Optional) The cost element module item name (Unique
    "qty" : 1.0, // The cost element module item qty.
    "preconditionFormula" : "", // The cost element module item precondi
    "costElementNamedReference" : {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    }, // The cost element named reference.
    "moduleNamedReference" : {
      "id" : "", // The module resource id.
      "name" : "" // The module name.
    } // The module named reference.
  } // The cost element module item.
}
```

PutCostElementModuleItemOutput

A put cost element module item reference output.

```
JSON XML
{
  "costElementModuleItemReference" : {
    "id" : "" // The cost element module item resource id.
  } // The cost element module item reference.
}
```

Cost Element Table

GetCostElementCostTableListOutput

A get cost element cost table list output.

```
{
  "costElementCostTableResource" : [
    {
      "costElementCostTableReference" : {
        "id" : "" // The cost element cost table resource id.
      }, // The cost element cost table reference.
      "costElementCostTable" : {
        "name" : "", // The cost element cost table name.
        "currencyNamedReference" : {
          "id" : "", // The currency resource id.
          "name" : "" // The currency name.
        }, // The currency named reference.
        "costElementCostTableRows" : [
          {
            "costElementNamedReference" : {
              "id" : "", // The cost element resource id.
              "name" : "" // The cost element name.
            }, // The cost element named reference.
            "costElementCostTableCells" : [
              {
                "costCategoryNamedReference" : {
                  "id" : "", // The cost category resource id.
                  "name" : "" // The cost category name.
                }, // The cost category named reference.
                "currencyNamedReference" : {
                  "id" : "", // The currency resource id.
                  "name" : "" // The currency name.
                }, // The currency named reference. Optional, overrides
                "value" : 1.0 // The cost element cost table cell decima
              },
              ...
            ] // The cost element cost table cells.
          },
          ...
        ] // The cost element cost table rows.
      } // The cost element cost table.
    },
    ...
  ] // The cost element cost table resource list.
}
```

GetCostElementCostTableOutput

A get cost element cost table output.

```

{
  "costElementCostTableResource" : {
    "costElementCostTableReference" : {
      "id" : "" // The cost element cost table resource id.
    }, // The cost element cost table reference.
    "costElementCostTable" : {
      "name" : "", // The cost element cost table name.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "costElementCostTableRows" : [
        {
          "costElementNamedReference" : {
            "id" : "", // The cost element resource id.
            "name" : "" // The cost element name.
          }, // The cost element named reference.
          "costElementCostTableCells" : [
            {
              "costCategoryNamedReference" : {
                "id" : "", // The cost category resource id.
                "name" : "" // The cost category name.
              }, // The cost category named reference.
              "currencyNamedReference" : {
                "id" : "", // The currency resource id.
                "name" : "" // The currency name.
              }, // The currency named reference. Optional, overrides ta
              "value" : 1.0 // The cost element cost table cell decimal
            },
            ...
          ] // The cost element cost table cells.
        },
        ...
      ] // The cost element cost table rows.
    } // The cost element cost table.
  } // The cost element cost table resource.
}

```

PostCostElementCostTableInput

A post cost element cost table input.

JSON XML

```
{
  "costElementCostTable" : {
    "name" : "", // The cost element cost table name.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costElementCostTableRows" : [
      {
        "costElementNamedReference" : {
          "id" : "", // The cost element resource id.
          "name" : "" // The cost element name.
        }, // The cost element named reference.
        "costElementCostTableCells" : [
          {
            "costCategoryNamedReference" : {
              "id" : "", // The cost category resource id.
              "name" : "" // The cost category name.
            }, // The cost category named reference.
            "currencyNamedReference" : {
              "id" : "", // The currency resource id.
              "name" : "" // The currency name.
            }, // The currency named reference. Optional, overrides tabl
            "value" : 1.0 // The cost element cost table cell decimal nu
          },
          ...
        ] // The cost element cost table cells.
      },
      ...
    ] // The cost element cost table rows.
  }, // The cost element cost table.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostElementCostTableOutput

A post cost element cost table output.

JSON XML

```
{
  "costElementCostTableNamedReference" : {
    "id" : "", // The cost element cost table resource id.
    "name" : "" // The cost element cost table name.
  } // The cost element cost table reference.
}
```

PutCostElementCostTableInput

A put cost element cost table input.

JSON XML

```
{
  "costElementCostTable" : {
    "name" : "", // The cost element cost table name.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costElementCostTableRows" : [
      {
        "costElementNamedReference" : {
          "id" : "", // The cost element resource id.
          "name" : "" // The cost element name.
        }, // The cost element named reference.
        "costElementCostTableCells" : [
          {
            "costCategoryNamedReference" : {
              "id" : "", // The cost category resource id.
              "name" : "" // The cost category name.
            }, // The cost category named reference.
            "currencyNamedReference" : {
              "id" : "", // The currency resource id.
              "name" : "" // The currency name.
            }, // The currency named reference. Optional, overrides tabl
            "value" : 1.0 // The cost element cost table cell decimal nu
          },
          ...
        ] // The cost element cost table cells.
      },
      ...
    ] // The cost element cost table rows.
  }, // The cost element cost table.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PutCostElementCostTableOutput

A put cost element cost table output.

JSON XML

```
{
  "costElementCostTableNamedReference" : {
    "id" : "", // The cost element cost table resource id.
    "name" : "" // The cost element cost table name.
  } // The cost element cost table reference.
}
```

Cost Element Variant Item

DeleteCostElementVariantItemOutput

Delete cost element variant item output.

JSON XML

```
{
  "costElementVariantItemReference" : {
    "id" : "" // The cost element variant item resource id.
  } // The cost element variant item reference.
}
```

DeleteCostElementVariantItemReferenceListInput

A delete cost element variant item reference list input.

JSON XML

```
{
  "costElementVariantItemReferenceList" : [
    {
      "id" : "" // The cost element variant item resource id.
    },
    ...
  ] // The cost element variant item list.
}
```

DeleteCostElementVariantItemReferenceListOutput

A delete cost element variant item reference list output.

JSON XML

```
{
  "costElementVariantItemReferenceList" : [
    {
      "id" : "" // The cost element variant item resource id.
    },
    ...
  ] // The cost element variant item reference list.
}
```

GetCostElementVariantItemReferenceListOutput

A get cost element variant item resource list output.

JSON XML

```
{
  "costElementVariantItemResourceList" : [
    {
      "costElementVariantItemReference" : {
        "id" : "" // The cost element variant item resource id.
      }, // The cost element variant item reference.
      "costElementVariantItem" : {
        "name" : "", // (Optional) The cost element variant item name (U
        "qty" : 1.0, // The cost element variant item qty.
        "preconditionFormula" : "", // The cost element variant item pre
        "costElementNamedReference" : {
          "id" : "", // The cost element resource id.
          "name" : "" // The cost element name.
        }, // The cost element named reference.
        "variantNamedReference" : {
          "id" : "", // The variant resource id.
          "name" : "", // The variant name.
          "parentId" : "", // The parent resource id (Assembly or Module
          "parentName" : "" // The parent name (Assembly or Module).
        } // The variant named reference.
      } // The cost element variant item.
    },
    ...
  ] // The cost element variant item resource list.
}
```

GetCostElementVariantItemOutput

A get cost element variant item resource output.

JSON XML

```
{
  "costElementVariantItemResource" : {
    "costElementVariantItemReference" : {
      "id" : "" // The cost element variant item resource id.
    }, // The cost element variant item reference.
    "costElementVariantItem" : {
      "name" : "", // (Optional) The cost element variant item name (Uni
      "qty" : 1.0, // The cost element variant item qty.
      "preconditionFormula" : "", // The cost element variant item preco
      "costElementNamedReference" : {
        "id" : "", // The cost element resource id.
        "name" : "" // The cost element name.
      }, // The cost element named reference.
      "variantNamedReference" : {
        "id" : "", // The variant resource id.
        "name" : "", // The variant name.
        "parentId" : "", // The parent resource id (Assembly or Module).
        "parentName" : "" // The parent name (Assembly or Module).
      } // The variant named reference.
    } // The cost element variant item.
  } // The cost element variant item resource.
}
```

PostCostElementVariantItemInput

A post cost element variant item input.

JSON XML

```
{
  "costElementVariantItem" : {
    "name" : "", // (Optional) The cost element variant item name (Uniqu
    "qty" : 1.0, // The cost element variant item qty.
    "preconditionFormula" : "", // The cost element variant item precond
    "costElementNamedReference" : {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    }, // The cost element named reference.
    "variantNamedReference" : {
      "id" : "", // The variant resource id.
      "name" : "", // The variant name.
      "parentId" : "", // The parent resource id (Assembly or Module).
      "parentName" : "" // The parent name (Assembly or Module).
    } // The variant named reference.
  } // The cost element variant item.
}
```

PostCostElementVariantItemListInput

A post cost element variant item list input.

JSON XML

```
{
  "costElementVariantItemList" : [
    {
      "name" : "", // (Optional) The cost element variant item name (Uni
      "qty" : 1.0, // The cost element variant item qty.
      "preconditionFormula" : "", // The cost element variant item preco
      "costElementNamedReference" : {
        "id" : "", // The cost element resource id.
        "name" : "" // The cost element name.
      }, // The cost element named reference.
      "variantNamedReference" : {
        "id" : "", // The variant resource id.
        "name" : "", // The variant name.
        "parentId" : "", // The parent resource id (Assembly or Module).
        "parentName" : "" // The parent name (Assembly or Module).
      } // The variant named reference.
    },
    ...
  ], // The cost element variant item list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostElementVariantItemListOutput

A post cost element variant item reference list output.

JSON XML

```
{
  "costElementVariantItemReferenceList" : [
    {
      "id" : "" // The cost element variant item resource id.
    },
    ...
  ] // The cost element variant item reference list.
}
```

PostCostElementVariantItemOutput

A post cost element variant item reference output.

JSON XML

```
{
  "costElementVariantItemReference" : {
    "id" : "" // The cost element variant item resource id.
  } // The cost element variant item reference.
}
```

PutCostElementVariantItemInput

A put cost element variant item input.

JSON XML

```
{
  "costElementVariantItem" : {
    "name" : "", // (Optional) The cost element variant item name (Uniqu
    "qty" : 1.0, // The cost element variant item qty.
    "preconditionFormula" : "", // The cost element variant item precond
    "costElementNamedReference" : {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    }, // The cost element named reference.
    "variantNamedReference" : {
      "id" : "", // The variant resource id.
      "name" : "", // The variant name.
      "parentId" : "", // The parent resource id (Assembly or Module).
      "parentName" : "" // The parent name (Assembly or Module).
    } // The variant named reference.
  } // The cost element variant item.
}
```

PutCostElementVariantItemOutput

A put cost element variant item reference output.

JSON XML

```
{
  "costElementVariantItemReference" : {
    "id" : "" // The cost element variant item resource id.
  } // The cost element variant item reference.
}
```

Cost Global Feature

DeleteCostGlobalFeatureListInput

Delete cost global feature list input.

JSON XML

```
{
  "costGlobalFeatureNamedReferenceList" : [
    {
      "id" : "", // The cost global feature resource id.
      "name" : "" // The cost global feature name.
    },
    ...
  ] // The cost global feature named reference list.
}
```

DeleteCostGlobalFeatureListOutput

A delete cost global feature list output.

JSON XML

```
{
  "costGlobalFeatureNamedReferenceList" : [
    {
      "id" : "", // The cost global feature resource id.
      "name" : "" // The cost global feature name.
    },
    ...
  ] // The cost global feature named reference list.
}
```

DeleteCostGlobalFeatureOutput

A delete cost global feature named reference output.

JSON XML

```
{
  "costGlobalFeatureNamedReference" : {
    "id" : "", // The cost global feature resource id.
    "name" : "" // The cost global feature name.
  } // The cost global feature named reference.
}
```

GetCostGlobalFeatureListOutput

A get cost global feature resource list output.

```
{
  "costGlobalFeatureResourceList" : [
    {
      "costGlobalFeatureReference" : {
        "id" : "" // The cost global feature resource id.
      }, // The global feature reference.
      "costGlobalFeature" : {
        "name" : "", // The cost global feature name.
        "description" : "", // The cost global feature description.
        "descriptionTranslations" : {
          "key" : ""
        }, // The cost global feature description translations by language.
        "domainNamedReference" : {
          "id" : "", // The domain resource id.
          "name" : "" // The domain name.
        }, // The cost global feature named domain reference.
        "appliesToCostCategoryItems" : false, // The cost global feature
        "appliesToCostElements" : false, // The cost global feature applies
        "appliesToCostSubElements" : false // The cost global feature applies
      } // The global feature.
    },
    ...
  ] // The cost global feature resource list.
}
```

GetCostGlobalFeatureOutput

A get cost global feature resource output.

JSON XML

```
{
  "costGlobalFeatureResource" : {
    "costGlobalFeatureReference" : {
      "id" : "" // The cost global feature resource id.
    }, // The global feature reference.
    "costGlobalFeature" : {
      "name" : "", // The cost global feature name.
      "description" : "", // The cost global feature description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost global feature description translations by language
      "domainNamedReference" : {
        "id" : "", // The domain resource id.
        "name" : "" // The domain name.
      }, // The cost global feature named domain reference.
      "appliesToCostCategoryItems" : false, // The cost global feature a
      "appliesToCostElements" : false, // The cost global feature applie
      "appliesToCostSubElements" : false // The cost global feature appl
    } // The global feature.
  } // The cost global feature resource.
}
```

PostCostGlobalFeatureInput

A post cost global feature input.

JSON XML

```
{
  "costGlobalFeature" : {
    "name" : "", // The cost global feature name.
    "description" : "", // The cost global feature description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost global feature description translations by language.
    "domainNamedReference" : {
      "id" : "", // The domain resource id.
      "name" : "" // The domain name.
    }, // The cost global feature named domain reference.
    "appliesToCostCategoryItems" : false, // The cost global feature app
    "appliesToCostElements" : false, // The cost global feature applies
    "appliesToCostSubElements" : false // The cost global feature applie
  } // The cost global feature.
}
```

PostCostGlobalFeatureListInput

A post cost global feature list input.

```
JSON XML
{
  "costCostGlobalFeatureList" : [
    {
      "name" : "", // The cost global feature name.
      "description" : "", // The cost global feature description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost global feature description translations by language
      "domainNamedReference" : {
        "id" : "", // The domain resource id.
        "name" : "" // The domain name.
      }, // The cost global feature named domain reference.
      "appliesToCostCategoryItems" : false, // The cost global feature a
      "appliesToCostElements" : false, // The cost global feature applie
      "appliesToCostSubElements" : false // The cost global feature appl
    },
    ...
  ], // The cost global feature list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}

```

PostCostGlobalFeatureListOutput

A post cost global feature list output.

```
JSON XML
{
  "costGlobalFeatureNamedReferenceList" : [
    {
      "id" : "", // The cost global feature resource id.
      "name" : "" // The cost global feature name.
    },
    ...
  ] // The cost global feature named reference list.
}

```

PutCostGlobalFeatureInput

A put cost global feature input.

JSON XML

```
{
  "costGlobalFeature" : {
    "name" : "", // The cost global feature name.
    "description" : "", // The cost global feature description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost global feature description translations by language.
    "domainNamedReference" : {
      "id" : "", // The domain resource id.
      "name" : "" // The domain name.
    }, // The cost global feature named domain reference.
    "appliesToCostCategoryItems" : false, // The cost global feature app
    "appliesToCostElements" : false, // The cost global feature applies
    "appliesToCostSubElements" : false // The cost global feature applie
  } // The cost global feature.
}
```

PutCostGlobalFeatureOutput

A put cost global feature output.

JSON XML

```
{
  "costGlobalFeatureNamedReference" : {
    "id" : "", // The cost global feature resource id.
    "name" : "" // The cost global feature name.
  } // The cost global feature reference.
}
```

Cost Parameter

DeleteCostParameterListInput

A delete cost parameter list input.

JSON XML

```
{
  "costParameterNamedReferenceList" : [
    {
      "id" : "", // The cost parameter resource id.
      "name" : "" // The cost parameter name.
    },
    ...
  ] // The cost parameter named reference list.
}
```

DeleteCostParameterListOutput

A delete cost parameter list output.

JSON XML

```
{
  "costParameterNamedReferenceList" : [
    {
      "id" : "", // The cost parameter resource id.
      "name" : "" // The cost parameter name.
    },
    ...
  ] // The cost parameter named reference list.
}
```

DeleteCostParameterOutput

Delete cost parameter output.

JSON XML

```
{
  "costParameterNamedReference" : {
    "id" : "", // The cost parameter resource id.
    "name" : "" // The cost parameter name.
  } // The cost parameter named reference.
}
```

GetCostParameterListOutput

A get cost parameter resource list output.

JSON XML

```
{
  "costParameterResourceList" : [
    {
      "costParameterReference" : {
        "id" : "" // The cost parameter resource id.
      }, // The cost parameter reference.
      "costParameter" : {
        "name" : "", // The cost parameter name.
        "value" : 1.0, // (Optional) The cost parameter decimal number v
        "type" : "", // The cost parameter type. Allowed values are: 'st
        "contextAttribute" : "" // (Optional) The cost parameter context
      } // The cost parameter.
    },
    ...
  ] // The cost parameter resource list.
}
```

GetCostParameterOutput

A get cost parameter resource output.

JSON XML

```
{
  "costParameterResource" : {
    "costParameterReference" : {
      "id" : "" // The cost parameter resource id.
    }, // The cost parameter reference.
    "costParameter" : {
      "name" : "", // The cost parameter name.
      "value" : 1.0, // (Optional) The cost parameter decimal number val
      "type" : "", // The cost parameter type. Allowed values are: 'stat
      "contextAttribute" : "" // (Optional) The cost parameter context a
    } // The cost parameter.
  } // The cost parameter resource.
}
```

PostCostParameterInput

A post cost parameter input.

JSON XML

```
{
  "costParameter" : {
    "name" : "", // The cost parameter name.
    "value" : 1.0, // (Optional) The cost parameter decimal number value
    "type" : "", // The cost parameter type. Allowed values are: 'static
    "contextAttribute" : "" // (Optional) The cost parameter context att
  } // The cost parameter.
}
```

PostCostParameterListInput

A post cost parameter list input.

JSON XML

```
{
  "costParameterList" : [
    {
      "name" : "", // The cost parameter name.
      "value" : 1.0, // (Optional) The cost parameter decimal number val
      "type" : "", // The cost parameter type. Allowed values are: 'stat
      "contextAttribute" : "" // (Optional) The cost parameter context a
    },
    ...
  ], // The cost parameter list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostParameterListOutput

A post cost parameter named reference list output.

JSON XML

```
{
  "costParameterNamedReferenceList" : [
    {
      "id" : "", // The cost parameter resource id.
      "name" : "" // The cost parameter name.
    },
    ...
  ] // The cost parameter named reference list.
}
```

PostCostParameterOutput

A post cost parameter output.

JSON XML


```
{
  "costParameterNamedReference" : {
    "id" : "", // The cost parameter resource id.
    "name" : "" // The cost parameter name.
  } // The cost parameter reference.
}
```

PutCostParameterInput

A put cost parameter input.

JSON XML

```
{
  "costParameter" : {
    "name" : "", // The cost parameter name.
    "value" : 1.0, // (Optional) The cost parameter decimal number value
    "type" : "", // The cost parameter type. Allowed values are: 'static
    "contextAttribute" : "" // (Optional) The cost parameter context att
  } // The cost parameter.
}
```



PutCostParameterOutput

A put cost parameter output.

JSON XML

```
{
  "costParameterNamedReference" : {
    "id" : "", // The cost parameter resource id.
    "name" : "" // The cost parameter name.
  } // The cost parameter reference.
}
```

Cost Parameter Table

DeleteCostParameterTableListInput

A delete cost parameter table list input.

JSON XML

```
{
  "costParameterTableNamedReferencesList" : [
    {
      "id" : "", // The cost parameter table resource id.
      "name" : "" // The cost parameter table name.
    },
    ...
  ] // The cost sub element item named reference list.
}
```

DeleteCostParameterTableListOutput

A delete cost parameter table list output.

JSON XML

```
{
  "costParameterTableNamedReferencesList" : [
    {
      "id" : "", // The cost parameter table resource id.
      "name" : "" // The cost parameter table name.
    },
    ...
  ] // The cost sub element item named reference list.
}
```

DeleteCostParameterTableOutput

Delete cost parameter table output.

JSON XML

```
{
  "costParameterTableNamedReference" : {
    "id" : "", // The cost parameter table resource id.
    "name" : "" // The cost parameter table name.
  } // The cost parameter table named reference.
}
```

GetCostParameterTableListOutput

A cost parameter table list output.

```
{
  "costParameterTableResourceList" : [
    {
      "costParameterTableReference" : {
        "id" : "" // The cost parameter table resource id.
      }, // The cost parameter table reference.
      "costParameterTable" : {
        "name" : "", // The cost parameter table name.
        "costParameterTableRows" : [
          {
            "costParameterNamedReference" : {
              "id" : "", // The cost parameter resource id.
              "name" : "" // The cost parameter name.
            }, // The cost parameter reference.
            "value" : 1.0 // The cost parameter decimal number. Because
          },
          ...
        ] // The parameter table.
      } // The cost parameter table.
    },
    ...
  ] // The cost parameter table resource list.
}
```

GetCostParameterTableOutput

A get cost parameter table output.

JSON XML

```
{
  "costParameterTableResource" : {
    "costParameterTableReference" : {
      "id" : "" // The cost parameter table resource id.
    }, // The cost parameter table reference.
    "costParameterTable" : {
      "name" : "", // The cost parameter table name.
      "costParameterTableRows" : [
        {
          "costParameterNamedReference" : {
            "id" : "", // The cost parameter resource id.
            "name" : "" // The cost parameter name.
          }, // The cost parameter reference.
          "value" : 1.0 // The cost parameter decimal number. Because th
        },
        ...
      ] // The parameter table.
    } // The cost parameter table.
  } // The cost parameter table resource.
}
```

PostCostParameterTableInput

A post cost parameter table input.

JSON XML

```
{
  "costParameterTable" : {
    "name" : "", // The cost parameter table name.
    "costParameterTableRows" : [
      {
        "costParameterNamedReference" : {
          "id" : "", // The cost parameter resource id.
          "name" : "" // The cost parameter name.
        }, // The cost parameter reference.
        "value" : 1.0 // The cost parameter decimal number. Because the
      },
      ...
    ] // The parameter table.
  }, // The cost parameter table.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostParameterTableOutput

A post cost parameter table output.

JSON XML

```
{
  "costParameterTableNamedReference" : {
    "id" : "", // The cost parameter table resource id.
    "name" : "" // The cost parameter table name.
  } // The cost parameter table reference.
}
```

PutCostParameterTableInput

A put cost parameter table input.

JSON XML

```
{
  "costParameterTable" : {
    "name" : "", // The cost parameter table name.
    "costParameterTableRows" : [
      {
        "costParameterNamedReference" : {
          "id" : "", // The cost parameter resource id.
          "name" : "" // The cost parameter name.
        }, // The cost parameter reference.
        "value" : 1.0 // The cost parameter decimal number. Because the
      },
      ...
    ] // The parameter table.
  }, // The cost parameter table.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PutCostParameterTableOutput

A put cut parameter table output.

JSON XML

```
{
  "costParameterTableNamedReference" : {
    "id" : "", // The cost parameter table resource id.
    "name" : "" // The cost parameter table name.
  } // The cost parameter table reference.
}
```

Cost Sub Element

DeleteCostSubElementListInput

A delete cost sub element list input.

```
JSON XML
{
  "costSubElementNamedReferenceList" : [
    {
      "id" : "", // The cost sub element resource id.
      "name" : "" // The cost sub element name.
    },
    ...
  ] // The cost sub element named reference list.
}
```

DeleteCostSubElementListOutput

A delete cost sub element list output.

```
JSON XML
{
  "costSubElementNamedReferenceList" : [
    {
      "id" : "", // The cost sub element resource id.
      "name" : "" // The cost sub element name.
    },
    ...
  ] // The cost sub element named reference list.
}
```

DeleteCostSubElementOutput

Delete cost sub element output.

```
JSON XML
{
  "costSubElementNamedReference" : {
    "id" : "", // The cost sub element resource id.
    "name" : "" // The cost sub element name.
  } // The cost sub element named reference.
}
```

GetCostSubElementListOutput

A get cost sub element resource list output.

```
{
  "costSubElementResourceList" : [
    {
      "costSubElementReference" : {
        "id" : "" // The cost sub element resource id.
      }, // The cost sub element reference.
      "costSubElement" : {
        "name" : "", // The cost sub element name.
        "status" : "", // The cost sub element lifecycle state.
        "cost" : 1.0, // The cost sub element cost.
        "unitDescription" : "", // The cost sub element unit description
        "unitDescriptionTranslations" : {
          "key" : ""
        }, // The cost sub element unit description translations by lang
        "description" : "", // The cost sub element description.
        "descriptionTranslations" : {
          "key" : ""
        }, // The cost sub element description translations by language.
        "costCategoryNamedReference" : {
          "id" : "", // The cost category resource id.
          "name" : "" // The cost category name.
        }, // The cost category named reference.
        "currencyNamedReference" : {
          "id" : "", // The currency resource id.
          "name" : "" // The currency name.
        }, // The currency named reference.
        "costGlobalFeatures" : [
          {
            "costGlobalFeatureNamedReference" : {
              "id" : "", // The cost global feature resource id.
              "name" : "" // The cost global feature name.
            }, // The global feature reference.
            "value" : "" // The global feature value.
          },
          ...
        ] // The cost element global features.
      } // The cost sub element.
    },
    ...
  ] // The cost sub element resource list.
}
```

GetCostSubElementOutput

A get cost sub element resource output.

```
{
  "costSubElementResource" : {
    "costSubElementReference" : {
      "id" : "" // The cost sub element resource id.
    }, // The cost sub element reference.
    "costSubElement" : {
      "name" : "", // The cost sub element name.
      "status" : "", // The cost sub element lifecycle state.
      "cost" : 1.0, // The cost sub element cost.
      "unitDescription" : "", // The cost sub element unit description.
      "unitDescriptionTranslations" : {
        "key" : ""
      }, // The cost sub element unit description translations by language
      "description" : "", // The cost sub element description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost sub element description translations by language.
      "costCategoryNamedReference" : {
        "id" : "", // The cost category resource id.
        "name" : "" // The cost category name.
      }, // The cost category named reference.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "costGlobalFeatures" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost element global features.
    } // The cost sub element.
  } // The cost sub element resource.
}
```

PostCostSubElementInput

A post cost sub element input.

```
{
  "costSubElement" : {
    "name" : "", // The cost sub element name.
    "status" : "", // The cost sub element lifecycle state.
    "cost" : 1.0, // The cost sub element cost.
    "unitDescription" : "", // The cost sub element unit description.
    "unitDescriptionTranslations" : {
      "key" : ""
    }, // The cost sub element unit description translations by language
    "description" : "", // The cost sub element description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost sub element description translations by language.
    "costCategoryNamedReference" : {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    }, // The cost category named reference.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costGlobalFeatures" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost element global features.
  } // The cost sub element.
}
```

PostCostSubElementListInput

A post cost sub element list input.

```
{
  "costSubElementList" : [
    {
      "name" : "", // The cost sub element name.
      "status" : "", // The cost sub element lifecycle state.
      "cost" : 1.0, // The cost sub element cost.
      "unitDescription" : "", // The cost sub element unit description.
      "unitDescriptionTranslations" : {
        "key" : ""
      }, // The cost sub element unit description translations by language
      "description" : "", // The cost sub element description.
      "descriptionTranslations" : {
        "key" : ""
      }, // The cost sub element description translations by language.
      "costCategoryNamedReference" : {
        "id" : "", // The cost category resource id.
        "name" : "" // The cost category name.
      }, // The cost category named reference.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "costGlobalFeatures" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost element global features.
    },
    ...
  ], // The cost sub element list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostSubElementListOutput

A post cost sub element named reference list output.

JSON XML

```
{
  "costSubElementNamedReferenceList" : [
    {
      "id" : "", // The cost sub element resource id.
      "name" : "" // The cost sub element name.
    },
    ...
  ] // The cost sub element named reference list.
}
```

PostCostSubElementOutput

A post cost sub element output.

JSON XML

```
{
  "costSubElementNamedReference" : {
    "id" : "", // The cost sub element resource id.
    "name" : "" // The cost sub element name.
  } // The cost sub element reference.
}
```

PutCostSubElementInput

A put cost sub element input.

JSON XML

```
{
  "costSubElement" : {
    "name" : "", // The cost sub element name.
    "status" : "", // The cost sub element lifecycle state.
    "cost" : 1.0, // The cost sub element cost.
    "unitDescription" : "", // The cost sub element unit description.
    "unitDescriptionTranslations" : {
      "key" : ""
    }, // The cost sub element unit description translations by language
    "description" : "", // The cost sub element description.
    "descriptionTranslations" : {
      "key" : ""
    }, // The cost sub element description translations by language.
    "costCategoryNamedReference" : {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    }, // The cost category named reference.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costGlobalFeatures" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost element global features.
  } // The cost sub element.
}
```

PutCostSubElementOutput

A put cost sub element output.

JSON XML

```
{
  "costSubElementNamedReference" : {
    "id" : "", // The cost sub element resource id.
    "name" : "" // The cost sub element name.
  } // The cost sub element reference.
}
```

Cost Sub Element Cost Table

DeleteCostVariantCostTableListInput

A delete cost sub element cost table list input.

JSON XML

```
{
  "costVariantCostTableNamedReferencesList" : [
    {
      "id" : "", // The cost variant cost table resource id.
      "name" : "" // The cost variant cost table name.
    },
    ...
  ] // The cost variant cost table named reference list.
}
```

DeleteCostVariantCostTableListOutput

A delete cost sub element cost table list output.

JSON XML

```
{
  "costVariantCostTableNamedReferencesList" : [
    {
      "id" : "", // The cost variant cost table resource id.
      "name" : "" // The cost variant cost table name.
    },
    ...
  ] // The cost variant cost table named reference list.
}
```

DeleteCostVariantCostTableOutput

Delete cost sub element cost table output.

JSON XML

```
{
  "costElementTableNamedReference" : {
    "id" : "", // The cost variant cost table resource id.
    "name" : "" // The cost variant cost table name.
  } // The cost sub element cost table named reference.
}
```

Cost Sub Element Item

DeleteCostSubElementItemListInput

A delete cost sub element item list input.

JSON XML

```
{
  "costSubElementItemReferenceList" : [
    {
      "id" : "" // The cost sub element item resource id.
    },
    ...
  ] // The cost sub element item reference list.
}
```

DeleteCostSubElementItemListOutput

A delete cost sub element item list output.

JSON XML

```
{
  "costSubElementItemReferenceList" : [
    {
      "id" : "" // The cost sub element item resource id.
    },
    ...
  ] // The cost sub element item reference list.
}
```

DeleteCostSubElementItemOutput

Delete cost sub element item output.

JSON XML

```
{
  "costSubElementItemReference" : {
    "id" : "" // The cost sub element item resource id.
  } // The cost sub element item reference.
}
```

GetCostSubElementItemListOutput

A get cost sub element item resource list output.

```
{
  "costSubElementItemResourceList" : [
    {
      "costSubElementItemReference" : {
        "id" : "" // The cost sub element item resource id.
      }, // The cost sub element item reference.
      "costSubElementItem" : {
        "qty" : 1.0, // The cost sub element item qty.
        "costElementNamedReference" : {
          "id" : "", // The cost element resource id.
          "name" : "" // The cost element name.
        }, // The cost element named reference.
        "costSubElementNamedReference" : {
          "id" : "", // The cost sub element resource id.
          "name" : "" // The cost sub element name.
        }, // The cost sub element named reference.
        "costCategoryOverrideNamedReference" : {
          "id" : "", // The cost category resource id.
          "name" : "" // The cost category name.
        }, // The cost sub element item category override named referenc
        "costGlobalFeatureOverrides" : [
          {
            "costGlobalFeatureNamedReference" : {
              "id" : "", // The cost global feature resource id.
              "name" : "" // The cost global feature name.
            }, // The global feature reference.
            "value" : "" // The global feature value.
          },
          ...
        ] // The cost sub element item global features overrides.
      } // The cost sub element item.
    },
    ...
  ] // The cost sub element item resource list.
}
```

GetCostSubElementItemOutput

A get cost sub element item resource output.

```
{
  "costSubElementItemResource" : {
    "costSubElementItemReference" : {
      "id" : "" // The cost sub element item resource id.
    }, // The cost sub element item reference.
    "costSubElementItem" : {
      "qty" : 1.0, // The cost sub element item qty.
      "costElementNamedReference" : {
        "id" : "", // The cost element resource id.
        "name" : "" // The cost element name.
      }, // The cost element named reference.
      "costSubElementNamedReference" : {
        "id" : "", // The cost sub element resource id.
        "name" : "" // The cost sub element name.
      }, // The cost sub element named reference.
      "costCategoryOverrideNamedReference" : {
        "id" : "", // The cost category resource id.
        "name" : "" // The cost category name.
      }, // The cost sub element item category override named reference.
      "costGlobalFeatureOverrides" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost sub element item global features overrides.
    } // The cost sub element item.
  } // The cost sub element item resource.
}
```

PostCostSubElementItemInput

A post cost sub element item input.

```
{
  "costSubElementItem" : {
    "qty" : 1.0, // The cost sub element item qty.
    "costElementNamedReference" : {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    }, // The cost element named reference.
    "costSubElementNamedReference" : {
      "id" : "", // The cost sub element resource id.
      "name" : "" // The cost sub element name.
    }, // The cost sub element named reference.
    "costCategoryOverrideNamedReference" : {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    }, // The cost sub element item category override named reference.
    "costGlobalFeatureOverrides" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost sub element item global features overrides.
  } // The cost sub element item.
}
```

PostCostSubElementItemListInput

A post cost sub element item list input.

JSON XML

```
{
  "costSubElementItemList" : [
    {
      "qty" : 1.0, // The cost sub element item qty.
      "costElementNamedReference" : {
        "id" : "", // The cost element resource id.
        "name" : "" // The cost element name.
      }, // The cost element named reference.
      "costSubElementNamedReference" : {
        "id" : "", // The cost sub element resource id.
        "name" : "" // The cost sub element name.
      }, // The cost sub element named reference.
      "costCategoryOverrideNamedReference" : {
        "id" : "", // The cost category resource id.
        "name" : "" // The cost category name.
      }, // The cost sub element item category override named reference.
      "costGlobalFeatureOverrides" : [
        {
          "costGlobalFeatureNamedReference" : {
            "id" : "", // The cost global feature resource id.
            "name" : "" // The cost global feature name.
          }, // The global feature reference.
          "value" : "" // The global feature value.
        },
        ...
      ] // The cost sub element item global features overrides.
    },
    ...
  ], // The cost sub element item list.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostSubElementItemListOutput

A post cost sub element item reference list output.

JSON XML

```
{
  "costSubElementItemReferenceList" : [
    {
      "id" : "" // The cost sub element item resource id.
    },
    ...
  ] // The cost sub element item reference list.
}
```

PostCostSubElementItemOutput

A post cost sub element item output.

JSON XML

```
{
  "costSubElementItemReference" : {
    "id" : "" // The cost sub element item resource id.
  } // The cost sub element item reference.
}
```

PutCostSubElementItemInput

A put cost sub element item input.

JSON XML

```
{
  "costSubElementItem" : {
    "qty" : 1.0, // The cost sub element item qty.
    "costElementNamedReference" : {
      "id" : "", // The cost element resource id.
      "name" : "" // The cost element name.
    }, // The cost element named reference.
    "costSubElementNamedReference" : {
      "id" : "", // The cost sub element resource id.
      "name" : "" // The cost sub element name.
    }, // The cost sub element named reference.
    "costCategoryOverrideNamedReference" : {
      "id" : "", // The cost category resource id.
      "name" : "" // The cost category name.
    }, // The cost sub element item category override named reference.
    "costGlobalFeatureOverrides" : [
      {
        "costGlobalFeatureNamedReference" : {
          "id" : "", // The cost global feature resource id.
          "name" : "" // The cost global feature name.
        }, // The global feature reference.
        "value" : "" // The global feature value.
      },
      ...
    ] // The cost sub element item global features overrides.
  } // The cost sub element item.
}
```

PutCostSubElementItemListOutput

A put cost sub element item reference list output.

JSON XML

```
{
  "costSubElementItemReferenceList" : [
    {
      "id" : "" // The cost sub element item resource id.
    },
    ...
  ] // The cost sub element item reference list.
}
```

PutCostSubElementItemOutput

A put cost sub element item output.

JSON XML

```
{
  "costSubElementItemReference" : {
    "id" : "" // The cost sub element item resource id.
  } // The cost sub element item reference.
}
```

PutCostSubElementItemResourceListInput

A put cost sub element item resource list input.

```

{
  "costSubElementItemResourceList" : [
    {
      "costSubElementItemReference" : {
        "id" : "" // The cost sub element item resource id.
      }, // The cost sub element item reference.
      "costSubElementItem" : {
        "qty" : 1.0, // The cost sub element item qty.
        "costElementNamedReference" : {
          "id" : "", // The cost element resource id.
          "name" : "" // The cost element name.
        }, // The cost element named reference.
        "costSubElementNamedReference" : {
          "id" : "", // The cost sub element resource id.
          "name" : "" // The cost sub element name.
        }, // The cost sub element named reference.
        "costCategoryOverrideNamedReference" : {
          "id" : "", // The cost category resource id.
          "name" : "" // The cost category name.
        }, // The cost sub element item category override named referenc
        "costGlobalFeatureOverrides" : [
          {
            "costGlobalFeatureNamedReference" : {
              "id" : "", // The cost global feature resource id.
              "name" : "" // The cost global feature name.
            }, // The global feature reference.
            "value" : "" // The global feature value.
          },
          ...
        ] // The cost sub element item global features overrides.
      } // The cost sub element item.
    },
    ...
  ], // The cost sub element item list.
  "createNotFound" : false // (Optional) Set to true to create elements
}

```

Cost Sub Element Table

DeleteCostSubElementCostTableListInput

A delete cost sub element cost table list input.

JSON XML

```
{
  "CostSubElementCostTableNamedReferencesList" : [
    {
      "id" : "", // The cost sub element cost table resource id.
      "name" : "" // The cost sub element cost table name.
    },
    ...
  ] // The cost sub element item named reference list.
}
```

DeleteCostSubElementCostTableListOutput

A delete cost sub element cost table list output.

JSON XML

```
{
  "CostSubElementCostTableNamedReferencesList" : [
    {
      "id" : "", // The cost sub element cost table resource id.
      "name" : "" // The cost sub element cost table name.
    },
    ...
  ] // The cost sub element item named reference list.
}
```

DeleteCostSubElementCostTableOutput

Delete cost sub element cost table output.

JSON XML

```
{
  "costElementTableNamedReference" : {
    "id" : "", // The cost sub element cost table resource id.
    "name" : "" // The cost sub element cost table name.
  } // The cost sub element cost table named reference.
}
```

GetCostSubElementCostTableListOutput

A get cost sub element cost table list output.

```

{
  "costSubElementCostTableResourceList" : [
    {
      "costSubElementCostTableReference" : {
        "id" : "" // The cost sub element cost table resource id.
      }, // The cost sub element cost table reference.
      "costSubElementCostTable" : {
        "name" : "", // The cost sub element cost table name.
        "currencyNamedReference" : {
          "id" : "", // The currency resource id.
          "name" : "" // The currency name.
        }, // The currency named reference.
        "costSubElementCostTableRows" : [
          {
            "costSubElementNamedReference" : {
              "id" : "", // The cost sub element resource id.
              "name" : "" // The cost sub element name.
            }, // The cost element named reference.
            "costSubElementCostTableCells" : [
              {
                "costCategoryNamedReference" : {
                  "id" : "", // The cost category resource id.
                  "name" : "" // The cost category name.
                }, // The cost category named reference.
                "currencyNamedReference" : {
                  "id" : "", // The currency resource id.
                  "name" : "" // The currency name.
                }, // The currency named reference. Optional, overrides
                "value" : 1.0, // The cost sub element cost table cell d
                "unitDescription" : "" // The cost sub element unit desc
              },
              ...
            ] // The cost sub element cost table cells.
          },
          ...
        ] // The cost sub element cost table rows.
      } // The cost sub element cost table.
    },
    ...
  ] // The cost sub element cost table resource list.
}

```

GetCostSubElementCostTableOutput

A get cost sub element cost table output.

```

{
  "costSubElementCostTableResource" : {
    "costSubElementCostTableReference" : {
      "id" : "" // The cost sub element cost table resource id.
    }, // The cost sub element cost table reference.
    "costSubElementCostTable" : {
      "name" : "", // The cost sub element cost table name.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "costSubElementCostTableRows" : [
        {
          "costSubElementNamedReference" : {
            "id" : "", // The cost sub element resource id.
            "name" : "" // The cost sub element name.
          }, // The cost element named reference.
          "costSubElementCostTableCells" : [
            {
              "costCategoryNamedReference" : {
                "id" : "", // The cost category resource id.
                "name" : "" // The cost category name.
              }, // The cost category named reference.
              "currencyNamedReference" : {
                "id" : "", // The currency resource id.
                "name" : "" // The currency name.
              }, // The currency named reference. Optional, overrides ta
              "value" : 1.0, // The cost sub element cost table cell dec
              "unitDescription" : "" // The cost sub element unit descri
            },
            ...
          ] // The cost sub element cost table cells.
        },
        ...
      ] // The cost sub element cost table rows.
    } // The cost sub element cost table.
  } // The cost sub element cost table resource.
}

```

PostCostSubElementCostTableInput

A post cost sub element cost table input.

JSON XML

```
{
  "costSubElementCostTable" : {
    "name" : "", // The cost sub element cost table name.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costSubElementCostTableRows" : [
      {
        "costSubElementNamedReference" : {
          "id" : "", // The cost sub element resource id.
          "name" : "" // The cost sub element name.
        }, // The cost element named reference.
        "costSubElementCostTableCells" : [
          {
            "costCategoryNamedReference" : {
              "id" : "", // The cost category resource id.
              "name" : "" // The cost category name.
            }, // The cost category named reference.
            "currencyNamedReference" : {
              "id" : "", // The currency resource id.
              "name" : "" // The currency name.
            }, // The currency named reference. Optional, overrides tabl
            "value" : 1.0, // The cost sub element cost table cell decim
            "unitDescription" : "" // The cost sub element unit descript
          },
          ...
        ] // The cost sub element cost table cells.
      },
      ...
    ] // The cost sub element cost table rows.
  }, // The cost sub element cost table.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostSubElementCostTableOutput

A post cost sub element cost table output.

JSON XML

```
{
  "costSubElementCostTableNamedReference" : {
    "id" : "", // The cost sub element cost table resource id.
    "name" : "" // The cost sub element cost table name.
  } // The cost sub element cost table reference.
}
```

PutCostSubElementCostTableInput

A put cost sub element cost table input.

JSON XML

```
{
  "costSubElementCostTable" : {
    "name" : "", // The cost sub element cost table name.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costSubElementCostTableRows" : [
      {
        "costSubElementNamedReference" : {
          "id" : "", // The cost sub element resource id.
          "name" : "" // The cost sub element name.
        }, // The cost element named reference.
        "costSubElementCostTableCells" : [
          {
            "costCategoryNamedReference" : {
              "id" : "", // The cost category resource id.
              "name" : "" // The cost category name.
            }, // The cost category named reference.
            "currencyNamedReference" : {
              "id" : "", // The currency resource id.
              "name" : "" // The currency name.
            }, // The currency named reference. Optional, overrides tabl
            "value" : 1.0, // The cost sub element cost table cell decim
            "unitDescription" : "" // The cost sub element unit descript
          },
          ...
        ] // The cost sub element cost table cells.
      },
      ...
    ] // The cost sub element cost table rows.
  }, // The cost sub element cost table.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PutCostSubElementCostTableOutput

A put cost sub element cost table output.

JSON XML

```
{
  "costSubElementCostTableNamedReference" : {
    "id" : "", // The cost sub element cost table resource id.
    "name" : "" // The cost sub element cost table name.
  } // The cost sub element cost table reference.
}
```

Cost Variant Table

GetCostVariantCostTableListOutput

A get cost variant cost table list output.

```
{
  "costVariantCostTableResourceList" : [
    {
      "costVariantCostTableReference" : {
        "id" : "" // The cost variant cost table resource id.
      }, // The cost variant cost table reference.
      "costVariantCostTable" : {
        "name" : "", // The cost variant cost table name.
        "currencyNamedReference" : {
          "id" : "", // The currency resource id.
          "name" : "" // The currency name.
        }, // The currency named reference.
        "costVariantCostTableRows" : [
          {
            "variantNamedReference" : {
              "id" : "", // The variant resource id.
              "name" : "", // The variant name.
              "parentId" : "", // The parent resource id (Assembly or Mo
              "parentName" : "" // The parent name (Assembly or Module).
            }, // The cost element named reference.
            "costVariantCostTableCells" : [
              {
                "costCategoryNamedReference" : {
                  "id" : "", // The cost category resource id.
                  "name" : "" // The cost category name.
                }, // The cost category named reference.
                "currencyNamedReference" : {
                  "id" : "", // The currency resource id.
                  "name" : "" // The currency name.
                }, // The currency named reference. Optional, overrides
                "value" : 1.0 // The cost variant cost table cell decima
              },
              ...
            ] // The cost variant cost table cells.
          },
          ...
        ] // The cost variant cost table rows.
      } // The cost variant cost table.
    },
    ...
  ] // The cost variant cost table resource list.
}
```

GetCostVariantCostTableOutput

A get cost variant cost table output.

```
{
  "costVariantCostTableResource" : {
    "costVariantCostTableReference" : {
      "id" : "" // The cost variant cost table resource id.
    }, // The cost variant cost table reference.
    "costVariantCostTable" : {
      "name" : "", // The cost variant cost table name.
      "currencyNamedReference" : {
        "id" : "", // The currency resource id.
        "name" : "" // The currency name.
      }, // The currency named reference.
      "costVariantCostTableRows" : [
        {
          "variantNamedReference" : {
            "id" : "", // The variant resource id.
            "name" : "", // The variant name.
            "parentId" : "", // The parent resource id (Assembly or Modu
            "parentName" : "" // The parent name (Assembly or Module).
          }, // The cost element named reference.
          "costVariantCostTableCells" : [
            {
              "costCategoryNamedReference" : {
                "id" : "", // The cost category resource id.
                "name" : "" // The cost category name.
              }, // The cost category named reference.
              "currencyNamedReference" : {
                "id" : "", // The currency resource id.
                "name" : "" // The currency name.
              }, // The currency named reference. Optional, overrides ta
              "value" : 1.0 // The cost variant cost table cell decimal
            },
            ...
          ] // The cost variant cost table cells.
        },
        ...
      ] // The cost variant cost table rows.
    } // The cost variant cost table.
  } // The cost variant cost table resource.
}
```

PostCostVariantCostTableInput

A post cost variant cost table input.

```
{
  "costVariantCostTable" : {
    "name" : "", // The cost variant cost table name.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costVariantCostTableRows" : [
      {
        "variantNamedReference" : {
          "id" : "", // The variant resource id.
          "name" : "", // The variant name.
          "parentId" : "", // The parent resource id (Assembly or Module)
          "parentName" : "" // The parent name (Assembly or Module).
        }, // The cost element named reference.
        "costVariantCostTableCells" : [
          {
            "costCategoryNamedReference" : {
              "id" : "", // The cost category resource id.
              "name" : "" // The cost category name.
            }, // The cost category named reference.
            "currencyNamedReference" : {
              "id" : "", // The currency resource id.
              "name" : "" // The currency name.
            }, // The currency named reference. Optional, overrides tabl
            "value" : 1.0 // The cost variant cost table cell decimal nu
          },
          ...
        ] // The cost variant cost table cells.
      },
      ...
    ] // The cost variant cost table rows.
  }, // The cost variant cost table.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PostCostVariantCostTableOutput

A post cost variant cost table output.

JSON XML

```
{
  "costVariantCostTableNamedReference" : {
    "id" : "", // The cost variant cost table resource id.
    "name" : "" // The cost variant cost table name.
  } // The cost variant cost table reference.
}
```

PutCostVariantCostTableInput

A put cost variant cost table input.

```
{
  "costVariantCostTable" : {
    "name" : "", // The cost variant cost table name.
    "currencyNamedReference" : {
      "id" : "", // The currency resource id.
      "name" : "" // The currency name.
    }, // The currency named reference.
    "costVariantCostTableRows" : [
      {
        "variantNamedReference" : {
          "id" : "", // The variant resource id.
          "name" : "", // The variant name.
          "parentId" : "", // The parent resource id (Assembly or Module)
          "parentName" : "" // The parent name (Assembly or Module).
        }, // The cost element named reference.
        "costVariantCostTableCells" : [
          {
            "costCategoryNamedReference" : {
              "id" : "", // The cost category resource id.
              "name" : "" // The cost category name.
            }, // The cost category named reference.
            "currencyNamedReference" : {
              "id" : "", // The currency resource id.
              "name" : "" // The currency name.
            }, // The currency named reference. Optional, overrides tabl
            "value" : 1.0 // The cost variant cost table cell decimal nu
          },
          ...
        ] // The cost variant cost table cells.
      },
      ...
    ] // The cost variant cost table rows.
  }, // The cost variant cost table.
  "removeNotReplaced" : false // (Optional) Set to true to remove existi
}
```

PutCostVariantCostTableOutput

A put cost variant cost table output.

JSON XML

```
{
  "costVariantCostTableNamedReference" : {
    "id" : "", // The cost variant cost table resource id.
    "name" : "" // The cost variant cost table name.
  } // The cost variant cost table reference.
}
```