Document

### Taxonomy Formula: [tN{~d,t,s,e,b}+phFile]

# Token Specification Summary

## Token Classification

|  |  |  |
| --- | --- | --- |
| Template Type: | SingleToken | This token has no sub or child tokens. |
| Token Type: | NonFungible | This token is not interchangeable with other tokens of the same type as they have different values. |
| Token Unit: | Singleton | There is only one instance of this token and it cannot be subdivided. |
| Value Type: | Intrinsic | This token is purely a digital token represents value directly, it represents no external physical form and cannot be a receipt or title for a material item or property. |
| Representation Type: | Common | This token is simply represented as a balance or quantity attributed to an owners address where all the balances are recorded on the same balance sheet, like a bank account. All instances can easily share common properties and locating them is simple. |

Used to represent a document that may be a scanned or PDF printed document. It records the document hash to check for tampering, a file path to fetch the file from storage as well as the ability to be encumbered. Implements the File property-set.

### Example

For example: you may choose to create an invoice token from an invoice document. You can then allow another token or contract representing a loan or proof of financing to encumber the document establishing a link between the two.

### Analogies

|  |  |
| --- | --- |
| Name | Description |
| Scanned Document | A scanned copy of a certificate, like a diploma or industry certification |

### Comments

### Document is:

* Singleton
* Non-Subdividable
* Transferable
* Burnable
* Encumberable

# Document Details

## Base: Singleton

|  |  |
| --- | --- |
| Type: | Base |
| Name: | Singleton |
| Id: | 53101d87-3c93-4d8b-ab39-1e629406d062 |
| Visual: | &tau<sub>N</sub>{<i>s</i>} |
| Tooling: | tN{s} |
| Version: | 1.0 |

## Definition

A restriction on the token in that there can only be 1 whole token in the class and is not subdividable. This behavior is only available to non-fungible base types. By definition, a Singleton cannot be mintable.

## Example

CryptoKitties, Art, Reserved Seat for an event.

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Property Title | The physical property title, land for example, have the identical look and feel from the paper, colors and seal. The difference between them are the values like property address, plot numbers, etc. These values make the title unique. There are some properties on a class of titles that are the same, like the county or jurisdiction the property is in. For titles that have some shared values and unique values, it may make more sense to define them in the same class. |
| Art | The valuable painting or other unique piece of art may not share any property values with other paintings, unless the artist is extremely prolific in generating tens of thousands of pieces of art, it would make sense to define each piece of art as its own class. Meaning there would be only a single piece of art represented by the token class. If the art cannot be sub-divided, meaning there can be no fractional owners, this token class can be a singleton if the quantity in the class is set to 1. A singleton has only one instance in the class, essentially meaning the class is the instance, and not be sub-dividable and no new tokens can be minted in the class. |

## Comments

Non-fungible tokens require additional thought about how these tokens may or may not be grouped together in the same class.

## Dependencies

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Description |
| Base | t | Base Token Definition |
| Behavior | ~d | non-subdividable |

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |
| Behavior | d | 6e3501dc-5800-4c71-b59e-ad11418a998c |
| Behavior | m | f9224e90-3cab-45bf-b5dc-0175121e2ead |

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |

## Artifact Files

|  |  |  |
| --- | --- | --- |
| Content Type | File Name | File Content |
| Control | singleton.proto |  |
| Uml | singleton.md |  |
| Other | .DS\_Store |  |

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |

## Implementation Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |

## Resource Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Location | Description |

# Base Details

|  |  |
| --- | --- |
| Token Name: |  |
| Token Type: | NonFungible |
| Representation Type: | Common |
| Value Type: | Intrinsic |
| Token Unit: | Singleton |
| Symbol: |  |
| Owner: |  |
| Quantity: | 1 |
| Decimals: | 0 |
| Constructor Name: | Constructor |

## Behaviors

## Base: Singleton

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Singleton |
| Id: | c1189d7a-e142-4504-bf26-44c35b76c9d6 |
| Visual: | <i>s</i> |
| Tooling: | s |
| Version: | 1.0 |

## Definition

A restriction on the token in that there can only be 1 whole token in the class and is not subdividable. This behavior is only available to non-fungible base types. By definition, a Singleton cannot be mintable.

## Example

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Analogy 1 | singleton analogy 1 description |

## Dependencies

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Description |
| Base | tN | Singleton must be have a non-fungible base. |
| Behavior | ~d | Singleton requires non-sub-dividable. |

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |
| Behavior | d | 6e3501dc-5800-4c71-b59e-ad11418a998c |
| Behavior | m | f9224e90-3cab-45bf-b5dc-0175121e2ead |

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |

## Artifact Files

|  |  |  |
| --- | --- | --- |
| Content Type | File Name | File Content |
| Control | singleton.proto |  |
| Uml | singleton.md |  |
| Other | .DS\_Store |  |

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| SourceCode | Code 1 | Daml |  |

## Implementation Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| Implementation | Implementation 1 | ChaincodeGo |  |

## Resource Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Location | Description |
| Resource | Regulation Reference 1 |  |  |

## Specification Behavior

# Singleton

### Taxonomy Formula: s

A restriction on the token in that there can only be 1 whole token in the class and is not subdividable. This behavior is only available to non-fungible base types. By definition, a Singleton cannot be mintable.

### Example

### Analogies

|  |  |
| --- | --- |
| Name | Description |
| Analogy 1 | singleton analogy 1 description |

### Comments

|  |  |
| --- | --- |
| Is External: | True |
| Constructor: |  |

## Singleton responds to these Invocations

### Properties

## Base: Non-Subdividable

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Non-Subdividable |
| Id: | d5807a8e-879b-4885-95fa-f09ba2a22172 |
| Visual: | <i>~d</i> |
| Tooling: | ~d |
| Version: | 1.0 |

## Definition

An ability or restriction on the token where it cannot be subdivided from a single whole token into fractions. Sets the base token Decimals property to 0 which will make the token non-sub-dividable and a whole token is the smallest ownable unit of the token.

## Example

Non-subdividable is common for items where subdivision does not make sense, like a property title, inventory item or invoice.

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Non-Fractional | It is not possible to own a fraction of this token. |
| Barrel of Oil | Barrels of Oil don't make sense to subdivide. |

## Dependencies

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Description |

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |
| Behavior | d | 6e3501dc-5800-4c71-b59e-ad11418a998c |

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |

## Artifact Files

|  |  |  |
| --- | --- | --- |
| Content Type | File Name | File Content |
| Control | non-subdividable.proto |  |
| Uml | non-subdividable.md |  |
| Other | .DS\_Store |  |

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| SourceCode | Code 1 | Daml |  |

## Implementation Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| Implementation | Implementation 1 | ChaincodeGo |  |

## Resource Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Location | Description |
| Resource | Regulation Reference 1 |  |  |

## Specification Behavior

# Non-Subdividable

### Taxonomy Formula: ~d

An ability or restriction on the token where it cannot be subdivided from a single whole token into fractions. Sets the base token Decimals property to 0 which will make the token non-sub-dividable and a whole token is the smallest ownable unit of the token.

### Example

Non-subdividable is common for items where subdivision does not make sense, like a property title, inventory item or invoice.

### Analogies

|  |  |
| --- | --- |
| Name | Description |
| Non-Fractional | It is not possible to own a fraction of this token. |
| Barrel of Oil | Barrels of Oil don't make sense to subdivide. |

### Comments

|  |  |
| --- | --- |
| Is External: | True |
| Constructor: |  |

## Non-Subdividable responds to these Invocations

### Properties

#### Name: Decimals

Value Description: Set to Zero, not allowing any subdivision

Template Value: 0

### Invocations

#### GetDecimals

Id: 2ca7fbb2-ce98-4dda-a6ae-e4ac2527bb33

Description: Should return 0

##### Request

Control Message: GetDecimalsRequest

Description:

###### Parameters

|  |  |
| --- | --- |
| Name | Value |

##### Response

Control Message: GetDecimalsResponse

Description: Return 0

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Decimals | 0 |

#### GetDecimals

Id: 2ca7fbb2-ce98-4dda-a6ae-e4ac2527bb33

Description: Should return 0

##### Request

Control Message: GetDecimalsRequest

Description:

###### Parameters

|  |  |
| --- | --- |
| Name | Value |

##### Response

Control Message: GetDecimalsResponse

Description: Return 0

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Decimals | 0 |

### Properties

## Base: Transferable

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Transferable |
| Id: | af119e58-6d84-4ca6-9656-75e8d312f038 |
| Visual: | <i>t</i> |
| Tooling: | t |
| Version: | 1.0 |

## Definition

Every token instance has an owner. The Transferable behavior provides the owner the ability to transfer the ownership to another party or account. This behavior is often inferred by other behaviors that might exist like Redeem, Sell, etc. This behavior is Delegable. If the token definition is Delegable, TransferFrom will be available.

## Example

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Analogy 1 | transferable analogy 1 description |

## Dependencies

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Description |

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |
| Behavior | ~t | a4fa4ca8-6afd-452b-91f5-7103b6fee5e5 |

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |
| If the token is Delegable, TransferFrom should be enabled. | g | [ ] |
| If Compliance is present, a CheckTransferAllowed request has to be made and verified before a Transfer request or a TransferFrom request. | c | [ ] |

## Artifact Files

|  |  |  |
| --- | --- | --- |
| Content Type | File Name | File Content |
| Control | transferable.proto |  |
| Uml | transferable.md |  |
| Other | .DS\_Store |  |

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| SourceCode | Code 1 | Daml |  |

## Implementation Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| Implementation | Implementation 1 | ChaincodeGo |  |

## Resource Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Location | Description |
| Resource | Regulation Reference 1 |  |  |

## Specification Behavior

# Transferable

### Taxonomy Formula: t

Every token instance has an owner. The Transferable behavior provides the owner the ability to transfer the ownership to another party or account. This behavior is often inferred by other behaviors that might exist like Redeem, Sell, etc. This behavior is Delegable. If the token definition is Delegable, TransferFrom will be available.

### Example

### Analogies

|  |  |
| --- | --- |
| Name | Description |
| Analogy 1 | transferable analogy 1 description |

### Comments

|  |  |
| --- | --- |
| Is External: | True |
| Constructor: |  |

## Transferable responds to these Invocations

#### Transfer

Id: 5d4b8f10-7857-4a2f-9b8c-d61e367a6bcc

Description: >A transfer request will invoke a transfer from the owner of the token to the party or account provided in the To field of the request. For fungible or subdividable non-fungible tokens, this request may also include value in the Amount field of the request to transfer more than one token of the class in a single request.

##### Request Message:

TransferRequest

Description: The request

###### Request Parameters

|  |  |
| --- | --- |
| Name | Value |
| To | AccountId to transfer ownership to. |
| Quantity | Number of tokens to transfer. |

##### Response Message

TransferResponse

Description: The response

###### Response Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation receipt or error may be returned to the owner based on the outcome of the transfer request. |

#### TransferFrom

Id: 516b4e2f-4a14-4c4f-a6f2-1419d4af35c6

Description: >A transfer request will invoke a transfer from the owner of the token to the party or account provided in the To field of the request. For fungible or subdividable non-fungible tokens, this request may also include value in the Amount field of the request to transfer more than one token of the class in a single request.

##### Request Message:

TransferFromRequest

Description: The request

###### Request Parameters

|  |  |
| --- | --- |
| Name | Value |
| From | AccountId to transfer ownership from. |
| To | AccountId to transfer ownership to. |
| Quantity | Number of tokens to transfer. |

##### Response Message

TransferFromResponse

Description: The response

###### Response Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation receipt or error may be returned to the owner based on the outcome of the transfer from request. |

### Properties

## Base: Burnable

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Burnable |
| Id: | 803297a1-c0f9-4898-9d44-29c9d41cca97 |
| Visual: | <i>b</i> |
| Tooling: | b |
| Version: | 1.0 |

## Definition

A token class that implements this behavior will support the burning or decommissioning of token instances of the class. This does not delete a token, but rather places it in a permanent non-use state. Burning is a one way operation and cannot be reversed. This behavior is Delegable. If the token definition is Delegable, BurnFrom will be available.

## Example

When a token is used in a certain way, you may want to remove it from circulation or from being used again. Since the ledger doesn't allow for deletions, burning a token essentially 'deletes' the token from being used, but not from history.

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Oil Barrels | If you mint a new token for each barrel of oil created, you may transfer ownership several times until the barrel is refined. The refining process should burn the barrel of oil to remove it from circulation. |
| Redeem | A token that is a coupon or single use ticket, should be burned when it is redeemed. |

## Dependencies

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Description |

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |
| Delegable or not, will determine if the BurnFrom Control will be available in the implementation. | g | [ ] |
| If Compliance is present, a CheckBurnAllowed request has to be made and verified before a Burn request or a BurnFrom request. | c | [ ] |

## Artifact Files

|  |  |  |
| --- | --- | --- |
| Content Type | File Name | File Content |
| Control | burnable.proto |  |
| Uml | burnable.md |  |
| Other | .DS\_Store |  |

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| SourceCode | Open Zeppelin | EthereumSolidity | https://github.com/OpenZeppelin/openzeppelin-contracts/blob/master/contracts/token/ERC20/ERC20Burnable.sol |

## Implementation Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |

## Resource Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Location | Description |
| Resource | Regulation Reference 1 |  |  |

## Specification Behavior

# Burnable

### Taxonomy Formula: b

A token class that implements this behavior will support the burning or decommissioning of token instances of the class. This does not delete a token, but rather places it in a permanent non-use state. Burning is a one way operation and cannot be reversed. This behavior is Delegable. If the token definition is Delegable, BurnFrom will be available.

### Example

When a token is used in a certain way, you may want to remove it from circulation or from being used again. Since the ledger doesn't allow for deletions, burning a token essentially 'deletes' the token from being used, but not from history.

### Analogies

|  |  |
| --- | --- |
| Name | Description |
| Oil Barrels | If you mint a new token for each barrel of oil created, you may transfer ownership several times until the barrel is refined. The refining process should burn the barrel of oil to remove it from circulation. |
| Redeem | A token that is a coupon or single use ticket, should be burned when it is redeemed. |

### Comments

|  |  |
| --- | --- |
| Is External: | True |
| Constructor: |  |

## Burnable responds to these Invocations

#### Burn

Id: f063dcaa-49f9-4c49-bf0f-2766301e1033

Description: A request to burn a token instance(s) in the class by the owner of the token instance(s). Optional Quantity field in the request.

##### Request Message:

BurnRequest

Description: The request to Burn or Retire tokens.

###### Request Parameters

|  |  |
| --- | --- |
| Name | Value |
| Quantity | The number of tokens to burn, might not apply to the implementation. |

##### Response Message

BurnResponse

Description: The response from the request to burn.

###### Response Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation receipt or error may be returned to the invoker based on the outcome of the burn request |

#### BurnFrom

Id: 49b53152-3360-426f-9e0a-24a0b4e7c881

Description: Requires Delegable. A request to burn token instance(s) in the class by a party or account that has allowance to do so. Requires a From and Quantity fields in the request.

##### Request Message:

BurnFromRequest

Description: The request to Burn or Retire tokens.

###### Request Parameters

|  |  |
| --- | --- |
| Name | Value |
| From | AccountId from which tokens are burnt |
| Quantity | The number of tokens to burn, might not apply to the implementation. |

##### Response Message

BurnFromResponse

Description: The response from the request to burn.

###### Response Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation receipt or error may be returned to the invoker based on the outcome of the burn from request |

### Properties

## Base: Encumberable

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Encumberable |
| Id: | dc8d5961-59e8-4a10-8b38-d9e99394d251 |
| Visual: | <i>e</i> |
| Tooling: | e |
| Version: | 1.0 |

## Definition

A token class that implements this behavior will have restrictions preventing certain behaviors like transferable, burnable, etc. from working while it is encumbered. The encumbering party should make a request to encumber, the owner should be notified about the request, and accept the request, which will finalize the encumbrance and send the EncumberResponse message to the requestor.

## Example

For example, a property title's owner may have obtained a loan from a bank to purchase the property. The loan represents a contract between the owner of the property and the bank, this loan encumbers the property title preventing the owner from being able to sell the property, transferable, to another party until the loan is paid off. Paying off the loan will remove the encumber, which will allow transferable to be invoked.

## Analogies

|  |  |
| --- | --- |
| Name | Description |
| Loan | A token can represent an asset that the owner took out a loan to obtain. If so, the token will need to be encumbered by the loan contract preventing the owner from selling the asset until the loan is repaid. |

## Comments

The token definition should have a Encumbered property or structure that may allow only one encumber or allow multiple.

## Dependencies

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Description |

## Incompatible With

|  |  |  |
| --- | --- | --- |
| Artifact Type | Symbol | Id |

## Influenced By

|  |  |  |
| --- | --- | --- |
| Description | Symbol | Applies To |

## Artifact Files

|  |  |  |
| --- | --- | --- |
| Content Type | File Name | File Content |
| Control | encumberable.proto |  |
| Uml | encumberable.md |  |
| Other | .DS\_Store |  |

## Code Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| SourceCode | Code 1 | Daml |  |

## Implementation Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Platform | Location |
| Implementation | Implementation 1 | ChaincodeGo |  |

## Resource Map

|  |  |  |  |
| --- | --- | --- | --- |
| Map Type | Name | Location | Description |
| Resource | Regulation Reference 1 |  |  |

## Specification Behavior

# Encumberable

### Taxonomy Formula: e

A token class that implements this behavior will have restrictions preventing certain behaviors like transferable, burnable, etc. from working while it is encumbered. The encumbering party should make a request to encumber, the owner should be notified about the request, and accept the request, which will finalize the encumbrance and send the EncumberResponse message to the requestor.

### Example

For example, a property title's owner may have obtained a loan from a bank to purchase the property. The loan represents a contract between the owner of the property and the bank, this loan encumbers the property title preventing the owner from being able to sell the property, transferable, to another party until the loan is paid off. Paying off the loan will remove the encumber, which will allow transferable to be invoked.

### Analogies

|  |  |
| --- | --- |
| Name | Description |
| Loan | A token can represent an asset that the owner took out a loan to obtain. If so, the token will need to be encumbered by the loan contract preventing the owner from selling the asset until the loan is repaid. |

### Comments

The token definition should have a Encumbered property or structure that may allow only one encumber or allow multiple.

|  |  |
| --- | --- |
| Is External: | True |
| Constructor: |  |

## Encumberable responds to these Invocations

#### EncumberRequest

Id: bdc69e47-8320-4f54-8a03-0f54c376e113

Description: A Request by a party or account, perhaps a contract or another token, to encumber the token.

##### Request Message:

EncumberRequest

Description: The request

###### Request Parameters

|  |  |
| --- | --- |
| Name | Value |
| Name of Encumber | Name of the institution requesting the encumber. |
| Identifier | A public key or address for the requestor. |
| Signature | A digital signature or attestation, optional. |

##### Response Message

EncumberResponse

Description: The response

###### Response Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation response from the token for the encumber request. |

#### AcceptEncumberRequest

Id: efd8bb57-4904-481e-976d-8a20a33df602

Description: A Request by a party or account, perhaps a contract or another token, to encumber the token. Once accepted, the token should add a new entry into the Encumbrances property.

##### Request Message:

AcceptEncumberRequest

Description: The request

###### Request Parameters

|  |  |
| --- | --- |
| Name | Value |

##### Response Message

AcceptEncumberResponse

Description: The response

###### Response Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation response returned to the owner of their acceptance. |

#### RemoveEncumberRequest

Id: 4532c466-bb6d-482a-b2cc-5285ba1f8259

Description: A Request by encumbrancer, perhaps a contract or another token, to remove their encumber or lien from the token. Which should remove any restrictions from behaviors if there are no more encumbers. Only the owner of the encumber can remove their encumber.

##### Request Message:

RemoveEncumberRequest

Description: The request

###### Request Parameters

|  |  |
| --- | --- |
| Name | Value |

##### Response Message

RemoveEncumberResponse

Description: The response

###### Response Parameters

|  |  |
| --- | --- |
| Name | Value |
| Confirmation | A confirmation receipt or denial be returned to the RemoveEncumber requestor. |

### Properties

#### Name: Encumbrances

Value Description: List of Encumbered

Template Value:

### Invocations

#### GetEncumbrancesRequest

Id: 9e39bf6a-74dc-4ca1-a709-5db247aaa31b

Description: The property value.

##### Request

Control Message: GetEncumbrancesRequest

Description:

###### Parameters

|  |  |
| --- | --- |
| Name | Value |

##### Response

Control Message: GetEncumbrancesResponse

Description: Return value

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Encumbrances | List of Encumbered |

### Properties

#### Name: Encumbered

Value Description: True or False

Template Value:

### Invocations

#### GetEncumberedRequest

Id: f35cdfee-d2f4-4a01-bf9b-33774b5df241

Description: The property value.

##### Request

Control Message: GetEncumberedRequest

Description:

###### Parameters

|  |  |
| --- | --- |
| Name | Value |

##### Response

Control Message: GetEncumberedResponse

Description: Return value

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Encumbered | True or False |

### Properties