Compliant

|  |  |
| --- | --- |
| Type: | Behavior |
| Name: | Compliant |
| Id: | 03dd1c48-dfdb-4ec1-86c8-69c3abac76b7 |
| Visual: | <i>c</i> |
| Tooling: | c |
| Version: | 1.0 |

## Definition

A regulated token needs to comply with several legal requirements, especially KYC and AML. If the necessary checks have to be made off-chain the token transfer becomes centralized. Further the transfer in this case takes longer to complete as it can not be done in one transaction, but requires a second confirmation step. A compliant token fulfills all legal requirements on-chain without interaction from an off-chain entity

## Example

When doing a bank transfer the transaction is checked by the involved banks according to legal requirements. A compliant token can

## Analogies

|  |  |
| --- | --- |
| Name | Description |

## 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 | compliant.proto |  |
| Uml | compliant.md |  |

## Code Map

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

## Implementation Map

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

## Resource Map

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

# Behavior Details

|  |  |
| --- | --- |
| Is External: | False |
| Constructor: |  |

### Invocations

#### CheckTransferAllowed

Id: 3f591127-0508-445b-b449-4adc3d8d90e9

Description: Checks if the transfer request is allowed to be executed with the given parameters.

##### Request

Control Message: CheckTransferAllowedRequest

Description: The request

###### Parameters

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

##### Response

Control Message: CheckTransferAllowedResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Result | A boolean value whereas true means the transfer is allowed and false means it is not. |

#### CheckMintAllowed

Id: 0323b374-71af-48f6-93ff-2a63366267db

Description: Checks if the mint request is allowed to be executed with the given parameters.

##### Request

Control Message: CheckMintAllowedRequest

Description: The request

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| ToAccount | Account Id to mint the tokens to. |
| Quantity | Number of tokens to transfer. |

##### Response

Control Message: CheckMintAllowedResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Result | A boolean value whereas true means the minting request is allowed and false means it is not. |

#### CheckBurnAllowed

Id: 8edffc4d-d14e-4a98-8c96-338835d5534c

Description: Checks if the burn request is allowed to be executed with the given parameters.

##### Request

Control Message: CheckBurnAllowedRequest

Description: The request

###### Parameters

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

##### Response

Control Message: CheckMintAllowedResponse

Description: The response

###### Parameters

|  |  |
| --- | --- |
| Name | Value |
| Result | A boolean value whereas true means the burn request is allowed and false means it is not. |

### Properties