

COFIQ Service Portfolio Management

Example1 - Service: CashManagementServiceV1

Services

CashManagementServiceV1

<status: Planned>

functionality: Service with operations for applications in the area of Cash Management within a bank. Not meant for external communications! Based on concepts loaned from ISO20022 (SWIFT) to minimize transformation issues for external communication using standard ISO20022 messages.

quality of service: 7x24, 500 concurrent service consumers.

conditions: For each service consumer (e.g. one of our internet channels) a maximum number of concurrent users is agreed. The consuming application is responsible for staying within this boundary or agreeing on a new maximum in time. To protect other service consumers the service provider reserves the right to block usage above the agreed number.

Operations

<i>code</i>	<i>request message</i>	<i>response message</i>	<i>fault message</i>	<i>description</i>
PartyCashAccounts	msgGetPartyCashAccountsRequestV1	msgGetPartyCashAccountsResponseV1	-	Retrieve details of all cash accounts of a particular party.

Messages

msgCashAccountDetailsV1

IBAN[1] field: (CashAccount) IBAN datatype: IBANIdentifier
Currency[1] field: (CashAccount) BaseCurrency datatype: CurrencyCode
Bank-BIC[1] field: (FinancialInstitution) BIC datatype: BICIdentifier
Bank-Name[1] field: (FinancialInstitution) Name datatype: Max140Text
Bank-Country[1] field: (FinancialInstitution) RegistrationCountry datatype: CountryCode

Message Parts

<i>type</i>	<i>name</i>	<i>reference</i>	<i>min</i>	<i>max</i>	<i>XOR</i>	<i>description</i>
field	IBAN	CashAccount [1.0].IBAN	1	1		
field	Currency	CashAccount [1.0].BaseCurrency	1	1		
field	Bank-BIC	FinancialInstitution [1.0].BIC	1	1		
field	Bank-Name	FinancialInstitution [1.0].Name	1	1		
field	Bank-Country	FinancialInstitution [1.0].RegistrationCountry	1	1		

msgGetPartyCashAccountsRequestV1

ID [1] message: msgPartyIdentificationV1

| Issuer[1] field: (GenericIdentification) Issuer datatype: Max35Text

| ID[1] field: (GenericIdentification) Identification datatype: Max35Text

next [0..1] datatype: Max35Text

Message Parts

<i>type</i>	<i>name</i>	<i>reference</i>	<i>min</i>	<i>max</i>	<i>XOR</i>	<i>description</i>
partmessage	ID	msgPartyIdentificationV1	1	1		
datatype	next	Max35Text [1.0]	0	1		

msgGetPartyCashAccountsResponseV1

CashAccount [0..100] message: msgCashAccountDetailsV1

| IBAN[1] field: (CashAccount) IBAN datatype: IBANIdentifier

| Currency[1] field: (CashAccount) BaseCurrency datatype: CurrencyCode

| Bank-BIC[1] field: (FinancialInstitution) BIC datatype: BICIdentifier

| Bank-Name[1] field: (FinancialInstitution) Name datatype: Max140Text

| Bank-Country[1] field: (FinancialInstitution) RegistrationCountry datatype: CountryCode

next [0..1] datatype: Max35Text

Message Parts

<i>type</i>	<i>name</i>	<i>reference</i>	<i>min</i>	<i>max</i>	<i>XOR</i>	<i>description</i>
partmessage	CashAccount	msgCashAccountDetailsV1	0	100		
datatype	next	Max35Text [1.0]	0	1		

msgPartyIdentificationV1

Issuer[1] field: (GenericIdentification) Issuer datatype: Max35Text

ID[1] field: (GenericIdentification) Identification datatype: Max35Text

Message Parts

<i>type</i>	<i>name</i>	<i>reference</i>	<i>min</i>	<i>max</i>	<i>XOR</i>	<i>description</i>
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field	Issuer	GenericIdentification [1.0].Issuer	1	1		
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field	ID	GenericIdentification [1.0].Identification	1	1		
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Classes

CashAccount [1.0]

Account to or from which a cash entry is made.

Supertype

Account [1.0]

Attributes

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
BaseCurrency	CurrencyCode [1.0]		Base currency of the cash account.
IBAN	IBANIdentifier [1.0]	Account [1.0]	Account number.

Relations

cardinality source name cardinality target name description

FinancialInstitution [1.0]

Organisation established primarily to provide financial services.

S u p e r t y p e

Party [1.0]

Organisation [1.0]

A t t r i b u t e s

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
RegistrationCountry	CountryCode [1.0]	Organisation [1.0]	Country at which a given organisation was officially registered.
BIC	BICIdentifier [1.0]		Identification of the financial institution.
Name	Max140Text [1.0]	Party [1.0]	Name by which a party is known and which is usually used to identify that party. This name is derived from the concatenation of the elements that compose the name of a person or from the legal name of an organisation.
RegistrationDate	ISODate [1.0]	Organisation [1.0]	Date at which a given organisation was officially registered.

R e l a t i o n s

cardinality source name cardinality target name description

GenericIdentification [1.0]

Information related to a non-standardised identification, such as a proprietary party identification or account identification.

A t t r i b u t e s

<i>code</i>	<i>type</i>	<i>defined in</i>	<i>description</i>
Identification	Max35Text [1.0]		Name or number assigned by an entity to enable recognition of that entity, for example account identifier, identification assigned by a provider to identify its customers.
Issuer	Max35Text [1.0]		The party or system that issued the Identification. Identification is unique within the Issuer namespace.
IssueDate	ISODate [1.0]		Date at which the identification was issued.
ExpiryDate	ISODate [1.0]		Date at which the identification expires.

R e l a t i o n s

cardinality source name cardinality target name description

Data Types

<i>code</i>	<i>basetype</i>	<i>description</i>
BICIdentifier [1.0]	<i>string</i>	Code allocated to a financial institution by the ISO 9362 Registration Authority as described in ISO 9362 "Banking - Banking telecommunication messages - Business identifier code (BIC)".

Facets

pattern [A-Z]{6,6}[A-Z2-9][A-NP-Z0-9]([A-Z0-9]{3,3}){0,1}

Checks

ISO9362 latest ISO

CountryCode [1.0]	<i>string</i>	Code to identify a country, a dependency, or another area of particular geopolitical interest, on the basis of country names obtained from the United Nations (ISO 3166, Alpha-2 code).
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Facets

length 2

Checks

ISO3166 latest ISO

CurrencyCode [1.0]	<i>string</i>	Code allocated to a currency, by a maintenance agency, under an international identification scheme as described in the latest edition of the international standard ISO 4217 "Codes for the representation of currencies and funds". Valid currency codes are registered with the ISO 4217 Maintenance Agency, and consist of three contiguous letters.
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Facets

length 3

Checks

ISO4217 latest ISO

IBANIdentifier [1.0] *string* An identifier used internationally by financial institutions to uniquely identify the account of a customer at a financial institution, as described in the latest edition of the international standard ISO 13616. "Banking and related financial services - International Bank Account Number (IBAN)".

Facets

pattern [a-zA-Z]{2,2}[0-9]{2,2}[a-zA-Z0-9]{1,30}

Checks

ISO13616 latest ISO

ISODate [1.0] *date* A particular point in the progression of time in a calendar year expressed in the YYYY-MM-DD format. This representation is defined in "XML Schema Part 2: Datatypes Second Edition - W3C Recommendation 28 October 2004" which is aligned with ISO 8601.

Facets

pattern YYYY-MM-DD

Max140Text [1.0] *string* Specifies a character string with a maximum length of 140 characters.

Facets

maxLength 140

minLength 1

Max35Text [1.0] *string* Specifies a character string with a maximum length of 35 characters.

Facets

maxLength 35

minLength 1