DBTR: Pre-payment procurement process
Scenario: The wholesale purchases of green and red bicycles

©=completed   reusable=®
Instance Identifier
State Machine Identifier
☒ visited state
☒ current state
☑ new current state
☐ unvisited state
old property=old value
new property~new value

Business Process Detail

☐ catalogue-requested
+catalogue=catalogue-received
+abandon=abandoned
☐ catalogue-received
+request-quotation=quotation-requested
+abandon=abandoned
☐ quotation-requested
+quotation=quotation-received
+abandon=abandoned
☐ quotation-received
+order=order-received
+abandon=abandoned
☐ order-received
+response-simple-accept=order-accepted
+response-counter=counter-order-received
+response-simple-reject=abandoned
+abandon=abandoned
☐ counter-order-received
+order=order-received
+abandon=abandoned
☐ order-accepted
+remittance-advice=paid
+abandon=abandoned
☐ paid
+despatch-advice=despatched
+abandon=abandoned
☐ despatched
+receipt-advice=goods-received
+abandon=abandoned
☐ goods-received
+invoice=completed
+abandon=abandoned
☐ abandoned
☐ completed

Business Process Overview

☐ planning
+request-quotation=identification
+abandon=post-actualization
☐ identification
+quotation=negotiation
+abandon=post-actualization
☐ negotiation
+response-simple-accept=actualization
+response-simple-reject=post-actualization
+abandon=post-actualization
☐ actualization
+invoice=post-actualization
+abandon=post-actualization
☐ post-actualization

Economic Commitment

☐ proposed
+accept-commitment=specified
+modify-commitment=proposed
☐ specified
+modify-commitment=specified
+complete-commitment=commitment-complete
☐ commitment-complete

Economic Contract

☐ offered
+accept-contract=accepted
☐ accepted
+modify-contract=accepted
+complete-contract=contract-complete
☐ contract-complete

Economic Event

☐ underway
+modify-event=underway
+complete-event=event-complete
☐ event-complete

Economic Agent ®

☐ participating
+modify-agent=participating

Economic Agent Type ®

☐ agent-type-identified
+modify-agent-type=agent-type-identified

Economic Event Type ®

☐ event-type-identified
+modify-event-type=event-type-identified

Economic Resource ®

☐ available
+reserve=reserved
+modify-available-resource=available
☐ reserved
+modify-available-resource=reserved
+deliver=exchanged
+exchange=exchanged
☐ exchanged

Economic Resource Type ®

☐ resource-type-identified
+modify-resource-type=resource-type-identified

Legend and available state machines; page 1 of 1

DBTR: Pre-payment procurement process
Business Event #1: Establish the use of Dai as a resource type
Stimulus: Define Dai currency `(identify-resource-type)`

Business Process Detail
- ☐ catalogue-requested
- ☐ catalogue-received
- ☐ quotation-requested
- ☐ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Business Process Overview
- ☐ planning
- ☐ identification
- ☐ negotiation
- ☐ actualization
- ☐ post-actualization

Dai ®
Economic Resource Type
- ☑ resource-type-identified
  - exchange USD~1.0
  - proper name~Dai
  - resource type~cryptocurrency

Economic Commitment
- ☐ proposed
- ☐ specified
- ☐ commitment-complete

Economic Contract
- ☐ offered
- ☐ accepted
- ☐ contract-complete

Economic Event
- ☐ underway
- ☐ event-complete

Economic Agent ®
- ☐ participating

Economic Agent Type ®
- ☐ agent-type-identified

Economic Event Type ®
- ☐ event-type-identified

Economic Resource ®
- ☐ available
- ☐ reserved
- ☐ exchanged

DBTR: Pre-payment procurement process
Business Event #2: Establish all the economic agent types
Stimulus: Define agent types (identify-agent-type)

Business Process Detail	Business Process Overview
☐ catalogue-requested	☐ planning
☐ catalogue-received	☐ identification
☐ quotation-requested	☐ negotiation
☐ quotation-received	☐ actualization
☐ order-received	☐ post-actualization
☐ counter-order-received	
☐ order-accepted	
☐ paid	
☐ despatched	
☐ goods-received	
☐ abandoned	
☐ completed	

Buyer ®
Economic Agent Type
☑ agent-type-identified
role~buyer

Dai ®
Economic Resource Type
☒ resource-type-identified
exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Seller ®
Economic Agent Type
☑ agent-type-identified
role~seller

TaxAuthority ®
Economic Agent Type
☑ agent-type-identified
role~Tax Authority

Economic Commitment	Economic Contract
☐ proposed	☐ offered
☐ specified	☐ accepted
☐ commitment-complete	☐ contract-complete

Economic Event	Economic Agent ®	Economic Event Type ®	Economic Resource ®
☐ underway	☐ participating	☐ event-type-identified	☐ available
☐ event-complete			☐ reserved
			☐ exchanged

DBTR: Pre-payment procurement process
Business Event #3: Establish all economic agents
Stimulus: Establish all of the agents `(identify-agent)`

Business Process Detail
☐ catalogue-requested
☐ catalogue-received
☐ quotation-requested
☐ quotation-received
☐ order-received
☐ counter-order-received
☐ order-accepted
☐ paid
☐ despatched
☐ goods-received
☐ abandoned
☐ completed

Business Process Overview
☐ planning
☐ identification
☐ negotiation
☐ actualization
☐ post-actualization

Buyer ®
Economic Agent Type
☒ agent-type-identified
role=buyer

Dai ®
Economic Resource Type
☒ resource-type-identified
exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Party100 ®
Economic Agent
☑ participating
balance~0
currency~Dai
name~Bill's Bikes Manufacturing
type~Seller
wallet~0x4cFa..2eDE

Party200 ®
Economic Agent
☑ participating
balance~100000
currency~Dai
name~Jonas's Bike Shop
type~Buyer
wallet~0xdF86..f112

Party300 ®
Economic Agent
☑ participating
balance~0
currency~Dai
name~Danish Tax Agency
type~TaxAuthority
wallet=~0xdA9f..23F4

Seller ®
Economic Agent Type
☒ agent-type-identified
role=seller

TaxAuthority ®
Economic Agent Type
☒ agent-type-identified
role=Tax Authority

Economic Commitment
☐ proposed
☐ specified
☐ commitment-complete

Economic Contract
☐ offered
☐ accepted
☐ contract-complete

Economic Event
☐ underway
☐ event-complete

Economic Event Type ®
☐ event-type-identified

Economic Resource ®
☐ available
☐ reserved
☐ exchanged

DBTR: Pre-payment procurement process
Business Event #4: Establish the sport bikes as resource types
Stimulus: Define green and red sport bike types (identify-resource-type)

Business Process Detail
☐ catalogue-requested
☐ catalogue-received
☐ quotation-requested
☐ quotation-received
☐ order-received
☐ counter-order-received
☐ order-accepted
☐ paid
☐ despatched
☐ goods-received
☐ abandoned
☐ completed

Business Process Overview
☐ planning
☐ identification
☐ negotiation
☐ actualization
☐ post-actualization

Buyer ®
Economic Agent Type
☒ agent-type-identified
role=buyer

Dai ®
Economic Resource Type
☒ resource-type-identified
exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

GreenSportBike ®
Economic Resource Type
☑ resource-type-identified
price currency~Dai
suggested price~1200
suggested VAT/MOMS~300

Party100 ®
Economic Agent
☒ participating
balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
☒ participating
balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
☒ participating
balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

RedSportBike ®
Economic Resource Type
☑ resource-type-identified
price currency~Dai
suggested price~800
suggested VAT/MOMS~200

Seller ®
Economic Agent Type
☒ agent-type-identified
role=seller

TaxAuthority ®
Economic Agent Type
☒ agent-type-identified
role=Tax Authority

Economic Commitment
☐ proposed
☐ specified
☐ commitment-complete

Economic Contract
☐ offered
☐ accepted
☐ contract-complete

Economic Event
☐ underway
☐ event-complete

Economic Event Type ®
☐ event-type-identified

Economic Resource ®
☐ available
☐ reserved
☐ exchanged

DBTR: Pre-payment procurement process
Business Event #5: Establish inventory of all instances of green bikes
Stimulus: Establish the inventory of green sport bikes (identify-available-resource)

Business Process Detail
☐ catalogue-requested
☐ catalogue-received
☐ quotation-requested
☐ quotation-received
☐ order-received
☐ counter-order-received
☐ order-accepted
☐ paid
☐ despatched
☐ goods-received
☐ abandoned
☐ completed

Business Process Overview
☐ planning
☐ identification
☐ negotiation
☐ actualization
☐ post-actualization

Buyer ®
Economic Agent Type
☒ agent-type-identified
role=buyer

Dai ®
Economic Resource Type
☒ resource-type-identified
exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

GreenSportBike ®
Economic Resource Type
☒ resource-type-identified
price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
☒ participating
balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
☒ participating
balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
☒ participating
balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PC001 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC001
type~GreenSportBike

PC002 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC002
type~GreenSportBike

PC003 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC003
type~GreenSportBike

PC004 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC004
type~GreenSportBike

PC005 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC005
type~GreenSportBike

PC006 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC006
type~GreenSportBike

PC007 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC007
type~GreenSportBike

PC008 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC008
type~GreenSportBike

PC009 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC009
type~GreenSportBike

PC010 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC010
type~GreenSportBike

PC011 ®
Economic Resource
☑ available
☐ reserved
☐ exchanged
owner~Party100
serial number~PC011
type~GreenSportBike

RedSportBike ®
Economic Resource Type
☒ resource-type-identified
price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
☒ agent-type-identified
role=seller

TaxAuthority ®
Economic Agent Type
☒ agent-type-identified
role=Tax Authority

Economic Commitment
☐ proposed
☐ specified
☐ commitment-complete

Economic Contract
☐ offered
☐ accepted
☐ contract-complete

Economic Event
☐ underway
☐ event-complete

Economic Event Type ®
☐ event-type-identified

DBTR: Pre-payment procurement process
Business Event #6: Establish inventory of all instances of red bikes
Stimulus: Establish the inventory of red sport bikes `(identify-available-resource)`

Business Process Detail
- ☐ catalogue-requested
- ☐ catalogue-received
- ☐ quotation-requested
- ☐ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Business Process Overview
- ☐ planning
- ☐ identification
- ☐ negotiation
- ☐ actualization
- ☐ post-actualization

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating

balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PC001 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☑ available
- ☐ reserved
- ☐ exchanged

owner~Party100
serial number~PC100
type~RedSportBike

PC101 ®
Economic Resource
- ☑ available
- ☐ reserved
- ☐ exchanged

owner~Party100
serial number~PC101
type~RedSportBike

PC102 ®
Economic Resource
- ☑ available
- ☐ reserved
- ☐ exchanged

owner~Party100
serial number~PC102
type~RedSportBike

PC103 ®
Economic Resource
- ☑ available
- ☐ reserved
- ☐ exchanged

owner~Party100
serial number~PC103
type~RedSportBike

PC104 ®
Economic Resource
- ☑ available
- ☐ reserved
- ☐ exchanged

owner~Party100
serial number~PC104
type~RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Economic Commitment
- ☐ proposed
- ☐ specified
- ☐ commitment-complete

Economic Contract
- ☐ offered
- ☐ accepted
- ☐ contract-complete

Economic Event
- ☐ underway
- ☐ event-complete

Economic Event Type ®
- ☐ event-type-identified

DBTR: Pre-payment procurement process
Business Event #7: Establish the delivery and payment types of event
Stimulus: Define delivery and payment event types (identify-event-type)

Business Process Detail
- ☐ catalogue-requested
- ☐ catalogue-received
- ☐ quotation-requested
- ☐ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Business Process Overview
- ☐ planning
- ☐ identification
- ☐ negotiation
- ☐ actualization
- ☐ post-actualization

Buyer ®
Economic Agent Type
- ☒ agent-type-identified
role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified
exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

DeliveryType ®
Economic Event Type
- ☑ event-type-identified
delivery-type~wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified
price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating
balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating
balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating
balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☑ event-type-identified
resource type~dai

PC001 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged
owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified
price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified
role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified
role=Tax Authority

Economic Commitment
- ☐ proposed
- ☐ specified
- ☐ commitment-complete

Economic Contract
- ☐ offered
- ☐ accepted
- ☐ contract-complete

Economic Event
- ☐ underway
- ☐ event-complete

DBTR: Pre-payment procurement process
Business Event #8: Buyer: What inventory do you have?
Stimulus: Request a catalogue (request-catalogue)
From: buyer; To: seller; Document: Request For Catalogue;

Process1 — Business Process Detail
- ☑ catalogue-requested
- ☐ catalogue-received
- ☐ quotation-requested
- ☐ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process1 — Business Process Overview
- ☑ planning
- ☐ identification
- ☐ negotiation
- ☐ actualization
- ☐ post-actualization

Buyer — Economic Agent Type ®
- ☒ agent-type-identified

role=buyer

Dai — Economic Resource Type ®
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

DeliveryType — Economic Event Type ®
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike — Economic Resource Type ®
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 — Economic Agent ®
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 — Economic Agent ®
- ☒ participating

balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 — Economic Agent ®
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType — Economic Event Type ®
- ☒ event-type-identified

resource type=dai

PC001 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC001
type=GreenSportBike

PC002 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC002
type=GreenSportBike

PC003 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC003
type=GreenSportBike

PC004 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC004
type=GreenSportBike

PC005 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC005
type=GreenSportBike

PC006 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC006
type=GreenSportBike

PC007 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC007
type=GreenSportBike

PC008 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC008
type=GreenSportBike

PC009 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC009
type=GreenSportBike

PC010 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC010
type=GreenSportBike

PC011 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 — Economic Resource ®
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike — Economic Resource Type ®
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller — Economic Agent Type ®
- ☒ agent-type-identified

role=seller

TaxAuthority — Economic Agent Type ®
- ☒ agent-type-identified

role=Tax Authority

Economic Commitment
- ☐ proposed
- ☐ specified
- ☐ commitment-complete

Economic Contract
- ☐ offered
- ☐ accepted
- ☐ contract-complete

Economic Event
- ☐ underway
- ☐ event-complete

DBTR: Pre-payment procurement process
Business Event #9: Seller: I have red and green bikes
Stimulus: Return a catalogue (catalogue)
From: seller; To: buyer; Document: Catalogue;

Process1 — Business Process Detail
- ☒ catalogue-requested
- ☑ catalogue-received
- ☐ quotation-requested
- ☐ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process1 — Business Process Overview
- ☒ planning
- ☐ identification
- ☐ negotiation
- ☐ actualization
- ☐ post-actualization

Buyer ® — Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ® — Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

DeliveryType ® — Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ® — Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ® — Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ® — Economic Agent
- ☒ participating

balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ® — Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType ® — Economic Event Type
- ☒ event-type-identified

resource type=dai

PC001 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ® — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ® — Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ® — Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ® — Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Economic Commitment
- ☐ proposed
- ☐ specified
- ☐ commitment-complete

Economic Contract
- ☐ offered
- ☐ accepted
- ☐ contract-complete

Economic Event
- ☐ underway
- ☐ event-complete

DBTR: Pre-payment procurement process
Business Event #10: Buyer: Do you have the green bikes that I want?
Stimuli: Establish business process descriptions (request-quotation); Initiate a contract (offer-contract); Commitments to contracts and deliveries (propose-commitment)
From: buyer; To: seller; Document: Request For Quotation;

Process1
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☑ quotation-requested
- ☐ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process1
Business Process Overview
- ☒ planning
- ☑ identification
- ☐ negotiation
- ☐ actualization
- ☐ post-actualization

Contract1
Economic Contract
- ☑ offered
- ☐ accepted
- ☐ contract-complete

buyer party~Party200
contract date~2020-06-01
planned delivery~PlanDel1
sale type~wholesale
seller party~Party100

PlanDel1
Economic Commitment
- ☑ proposed
- ☐ specified
- ☐ commitment-complete

item~GreenSportBike
planned date~2020-06-15
planned quantity~10
receiver party~Party200
sender party~Party100

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating

balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC001 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Economic Event
- ☐ underway
- ☐ event-complete

DBTR: Pre-payment procurement process
Business Event #11: Seller: Yes, I have the bikes that you want
Stimuli: Track business process descriptions (quotation); Accept a contract (accept-contract)
From: seller; To: buyer; Document: Quotation;

Process1
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☑ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process1
Business Process Overview
- ☒ planning
- ☒ identification
- ☑ negotiation
- ☐ actualization
- ☐ post-actualization

Contract1
Economic Contract
- ☒ offered
- ☑ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-06-01
cost~12000
currency~Dai
planned delivery=PlanDel1
sale type=wholesale
seller party=Party100
VAT/MOMS~3000

PlanDel1
Economic Commitment
- ☒ proposed
- ☐ specified
- ☐ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating

balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC001 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Economic Event
- ☐ underway
- ☐ event-complete

DBTR: Pre-payment procurement process
Business Event #12: Buyer: Okay, here is an order for green bikes
Stimuli: Track business process descriptions (order); Accept a contract (modify-contract); Commitment to pay (propose-commitment); Payment to be made (identify-available-resource)
From: buyer; To: seller; Document: Order;

Process1
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process1
Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☐ actualization
- ☐ post-actualization

Contract1
Economic Contract
- ☒ offered
- ☒ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment~PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000

PlanDel1
Economic Commitment
- ☒ proposed
- ☐ specified
- ☐ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1
Economic Commitment
- ☒ proposed
- ☐ specified
- ☐ commitment-complete

contract~Contract1
planned allocation~Dai1
planned date~2020-06-10
planned receiver amount~12000
planned VAT/MOMS~3000

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai1 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

amount~15000
from~Party200
resource type~Dai

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200
Economic Agent
- ☒ participating

balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet=0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC001 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Economic Event
- ☐ underway
- ☐ event-complete

DBTR: Pre-payment procurement process
Business Event #13: Seller: Deal! The order is acceptable
Stimuli: Track business process descriptions (response-simple-accept); Add actual price (reserve); Pay for an order (accept-commitment)
From: seller; To: buyer; Document: Order Response Simple;

Process1
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☑ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process1
Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☑ actualization
- ☐ post-actualization

Contract1
Economic Contract
- ☒ offered
- ☒ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000

PlanDel1
Economic Commitment
- ☒ proposed
- ☑ specified
- ☐ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1
Economic Commitment
- ☒ proposed
- ☑ specified
- ☐ commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai1 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

amount=15000
from=Party200
resource type=Dai

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating

balance=100000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet=0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC001 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~1200
actual VAT/MOMS~300
owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Economic Event
- ☐ underway
- ☐ event-complete

DBTR: Pre-payment procurement process
Business Event #14: Buyer: Okay, here is the payment
Stimuli: Track business process descriptions(remittance-advice); Payment(initiate-event); Payment to be made(reserve); Payment added to contract wallet(modify-contract); Payment removed from buyer's wallet(modify-agent)
From: buyer; To: seller; Document: Remittance Advice;

Process1
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☑ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process1
Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☒ actualization
- ☐ post-actualization

Contract1
Economic Contract
- ☒ offered
- ☑ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance~15000
wallet currency~Dai

Pay1
Economic Event
- ☑ underway
- ☐ event-complete

allocation sf~Dai1
contract~Contract1
event type~PaymentType
payment date~2020-06-10
planned payment~PlanPay1
receiver amount~12000
VAT/MOMS~3000

PlanDel1
Economic Commitment
- ☒ proposed
- ☒ specified
- ☐ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1
Economic Commitment
- ☒ proposed
- ☒ specified
- ☐ commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai1 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

amount=15000
from=Party200
resource type=Dai

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☑ participating

balance~85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC001 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

DBTR: Pre-payment procurement process
Business Event #15: Seller: Thank you, I have despatched 10 green bikes
Stimuli: Track business process descriptions(despatch-advice); Delivery(initiate-event)
From: seller; To: buyer; Document: Despatch Advice;

Process1
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☒ paid
- ☑ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process1
Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☒ actualization
- ☐ post-actualization

Contract1
Economic Contract
- ☒ offered
- ☒ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance=15000
wallet currency=Dai

Del1
Economic Event
- ☑ underway
- ☐ event-complete

actual date~2020-06-10
actual quantity~10
event type~DeliveryType
item~GreenSportBike
planned delivery~PlanDel1
receiver party~Party200
sender party~Party100

Pay1
Economic Event
- ☒ underway
- ☐ event-complete

allocation sf=Dai1
contract=Contract1
event type=PaymentType
payment date=2020-06-10
planned payment=PlanPay1
receiver amount=12000
VAT/MOMS=3000

PlanDel1
Economic Commitment
- ☒ proposed
- ☒ specified
- ☐ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1
Economic Commitment
- ☒ proposed
- ☒ specified
- ☐ commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai1 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

amount=15000
from=Party200
resource type=Dai

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating

balance=85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC001 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC001
type=GreenSportBike

PC002 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC002
type=GreenSportBike

PC003 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC003
type=GreenSportBike

PC004 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC004
type=GreenSportBike

PC005 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC005
type=GreenSportBike

PC006 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC006
type=GreenSportBike

PC007 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC007
type=GreenSportBike

PC008 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC008
type=GreenSportBike

PC009 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC009
type=GreenSportBike

PC010 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=1200
actual VAT/MOMS=300
owner=Party100
serial number=PC010
type=GreenSportBike

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

DBTR: Pre-payment procurement process
Business Event #16: Buyer: Thank you, I have received 10 green bikes
Stimuli: Track business process descriptions (receipt-advice); Accept an order (exchange); Delivery completed (complete-commitment); Delivery completed (complete-event)
From: buyer; To: seller; Document: Receipt Advice;

Process1
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☒ paid
- ☒ despatched
- ☑ goods-received
- ☐ abandoned
- ☐ completed

Process1
Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☒ actualization
- ☐ post-actualization

Contract1
Economic Contract
- ☒ offered
- ☒ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance=15000
wallet currency=Dai

Pay1
Economic Event
- ☒ underway
- ☐ event-complete

allocation sf=Dai1
contract=Contract1
event type=PaymentType
payment date=2020-06-10
planned payment=PlanPay1
receiver amount=12000
VAT/MOMS=3000

PlanPay1
Economic Commitment
- ☒ proposed
- ☒ specified
- ☐ commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai1 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

amount=15000
from=Party200
resource type=Dai

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating

balance=85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=0
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Del1 ©
Economic Event
- ☐ underway
- ☑ event-complete

actual date=2020-06-10
actual quantity=10
event type=DeliveryType
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

PlanDel1 ©
Economic Commitment
- ☒ proposed
- ☒ specified
- ☑ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PC001 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC001
type=GreenSportBike

PC002 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC002
type=GreenSportBike

PC003 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC003
type=GreenSportBike

PC004 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC004
type=GreenSportBike

PC005 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC005
type=GreenSportBike

PC006 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC006
type=GreenSportBike

PC007 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC007
type=GreenSportBike

PC008 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC008
type=GreenSportBike

PC009 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC009
type=GreenSportBike

PC010 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☑ exchanged

actual price~1200
actual VAT/MOMS~300
delivery~Del1
owner~Party200
serial number=PC010
type=GreenSportBike

DBTR: Pre-payment procurement process
Business Event #17: Seller: We're square, here is your invoice
Stimuli: Track business process descriptions (invoice); Transfer the funds (exchange); Payment added to other wallets (modify-agent); Payment completed (complete-event); Payment and delivery made (complete-commitment); Contract completed (complete-contract)
From: seller; To: buyer; Document: Invoice;

Buyer ®
Economic Agent Type
- [x] agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- [x] resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

DeliveryType ®
Economic Event Type
- [x] event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- [x] resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- [x] participating

balance~12000
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- [x] participating

balance=85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- [x] participating

balance~3000
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet=0xdA9f..23F4

PaymentType ®
Economic Event Type
- [x] event-type-identified

resource type=dai

PC011 ®
Economic Resource
- [x] available
- [ ] reserved
- [ ] exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- [x] available
- [ ] reserved
- [ ] exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- [x] available
- [ ] reserved
- [ ] exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- [x] available
- [ ] reserved
- [ ] exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- [x] available
- [ ] reserved
- [ ] exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- [x] available
- [ ] reserved
- [ ] exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- [x] resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- [x] agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- [x] agent-type-identified

role=Tax Authority

Process1 ©
Business Process Detail
- [x] catalogue-requested
- [x] catalogue-received
- [x] quotation-requested
- [x] quotation-received
- [x] order-received
- [ ] counter-order-received
- [x] order-accepted
- [x] paid
- [x] despatched
- [x] goods-received
- [ ] abandoned
- [x] completed

Process1 ©
Business Process Overview
- [x] planning
- [x] identification
- [x] negotiation
- [x] actualization
- [x] post-actualization

Contract1 ©
Economic Contract
- [x] offered
- [x] accepted
- [x] contract-complete

actual delivery~Del1
actual payment~Pay1
buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance~0
wallet currency=Dai

Del1 ©
Economic Event
- [x] underway
- [x] event-complete

actual date=2020-06-10
actual quantity=10
event type=DeliveryType
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

Pay1 ©
Economic Event
- [x] underway
- [x] event-complete

allocation sf=Dai1
contract=Contract1
event type=PaymentType
payment date=2020-06-10
planned payment=PlanPay1
receiver party=Party200
VAT/MOMS=3000

PlanDel1 ©
Economic Commitment
- [x] proposed
- [x] specified
- [x] commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1 ©
Economic Commitment
- [x] proposed
- [x] specified
- [x] commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Dai1 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

amount=15000
from=Party200
resource type=Dai
to1-amount~12000
to1-party~Party100
to2-amount~3000
to2-party~Party300

PC001 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC001
type=GreenSportBike

PC002 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC002
type=GreenSportBike

PC003 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC003
type=GreenSportBike

PC004 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC004
type=GreenSportBike

PC005 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC005
type=GreenSportBike

PC006 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC006
type=GreenSportBike

PC007 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC007
type=GreenSportBike

PC008 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC008
type=GreenSportBike

PC009 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC009
type=GreenSportBike

PC010 ©
Economic Resource
- [x] available
- [x] reserved
- [x] exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC010
type=GreenSportBike

DBTR: Pre-payment procurement process
Business Event #18: Buyer: Do you have the red bikes that I want?
Stimuli: Establish business process descriptions (request-quotation); Initiate a contract (offer-contract); Commitments to contracts and deliveries (propose-commitment); Payment to be made (identify-available-resource)
From: buyer; To: seller; Document: Request For Quotation;

Process2 — Business Process Detail
- ☐ catalogue-requested
- ☐ catalogue-received
- ☑ quotation-requested
- ☐ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process2 — Business Process Overview
- ☐ planning
- ☑ identification
- ☐ negotiation
- ☐ actualization
- ☐ post-actualization

Contract2 — Economic Contract
- ☑ offered
- ☐ accepted
- ☐ contract-complete

buyer party~Party200
contract date~2020-07-01
planned delivery~PlanDel2
sale type~wholesale
seller party~Party100

PlanDel2 — Economic Commitment
- ☑ proposed
- ☐ specified
- ☐ commitment-complete

item~RedSportBike
planned date~2020-07-15
planned quantity~10
receiver party~Party200
sender party~Party100

Buyer — Economic Agent Type
- ☑ agent-type-identified

role=buyer

Dai — Economic Resource Type
- ☑ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai2 — Economic Resource
- ☑ available
- ☐ reserved
- ☐ exchanged

amount~10000
from~Party200
resource type~Dai

DeliveryType — Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike — Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 — Economic Agent
- ☒ participating

balance=12000
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 — Economic Agent
- ☒ participating

balance=85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 — Economic Agent
- ☒ participating

balance=3000
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType — Economic Event Type
- ☒ event-type-identified

resource type=dai

PC011 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike — Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller — Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority — Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Process1 — Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☒ paid
- ☒ despatched
- ☒ goods-received
- ☐ abandoned
- ☒ completed

Process1 — Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☒ actualization
- ☒ post-actualization

Contract1 — Economic Contract
- ☒ offered
- ☒ accepted
- ☒ contract-complete

actual delivery=Del1
actual payment=Pay1
buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance=0
wallet currency=Dai

Del1 — Economic Event
- ☒ underway
- ☒ event-complete

actual date=2020-06-10
actual quantity=10
event type=DeliveryType
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

Pay1 — Economic Event
- ☒ underway
- ☒ event-complete

allocation sf=Dai1
contract=Contract1
event type=PaymentType
payment date=2020-06-10
planned payment=PlanPay1
receiver amount=12000
VAT/MOMS=3000

PlanDel1 — Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1 — Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Dai1 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

amount=15000
from=Party200
resource type=Dai
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300

PC001 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC001
type=GreenSportBike

PC002 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC002
type=GreenSportBike

PC003 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC003
type=GreenSportBike

PC004 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC004
type=GreenSportBike

ⓒ **PC005**	ⓒ **PC006**	ⓒ **PC007**	ⓒ **PC008**	ⓒ **PC009**	ⓒ **PC010**
Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource
☒ available	☒ available	☒ available	☒ available	☒ available	☒ available
☒ reserved	☒ reserved	☒ reserved	☒ reserved	☒ reserved	☒ reserved
☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged
actual price=1200	actual price=1200	actual price=1200	actual price=1200	actual price=1200	actual price=1200
actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300
delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell
owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200
serial number=PC005	serial number=PC006	serial number=PC007	serial number=PC008	serial number=PC009	serial number=PC010
type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike

DBTR: Pre-payment procurement process
Business Event #19: Seller: Well, I have some of the bikes that you want but not all
Stimuli: Track business process descriptions (quotation); Accept a contract (accept-contract); Commitments to contracts and deliveries (modify-commitment)
From: seller; To: buyer; Document: Quotation;

Process2 — Business Process Detail
- ☐ catalogue-requested
- ☐ catalogue-received
- ☒ quotation-requested
- ☑ quotation-received
- ☐ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process2 — Business Process Overview
- ☐ planning
- ☒ identification
- ☑ negotiation
- ☐ actualization
- ☐ post-actualization

Contract2 — Economic Contract
- ☒ offered
- ☑ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-07-01
cost~4000
planned delivery=PlanDel2
sale type=wholesale
seller party=Party100
VAT/MOMS~1000

PlanDel2 — Economic Commitment
- ☑ proposed
- ☐ specified
- ☐ commitment-complete

item=RedSportBike
planned date=2020-07-15
planned quantity~5
receiver party=Party200
sender party=Party100

Buyer — Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai — Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai2 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

amount=10000
from=Party200
resource type=Dai

DeliveryType — Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike — Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 — Economic Agent
- ☒ participating

balance=12000
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 — Economic Agent
- ☒ participating

balance=85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 — Economic Agent
- ☒ participating

balance=3000
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType — Economic Event Type
- ☒ event-type-identified

resource type=dai

PC011 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 — Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike — Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller — Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority — Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Process1 — Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☒ paid
- ☒ despatched
- ☒ goods-received
- ☐ abandoned
- ☒ completed

Process1 — Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☒ actualization
- ☒ post-actualization

Contract1 — Economic Contract
- ☒ offered
- ☒ accepted
- ☒ contract-complete

actual delivery=Del1
actual payment=Pay1
buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance=0
wallet currency=Dai

Del1 — Economic Event
- ☒ underway
- ☒ event-complete

actual date=2020-06-10
actual quantity=10
event type=DeliveryType
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

Pay1 — Economic Event
- ☒ underway
- ☒ event-complete

allocation sf=Dai1
contract=Contract1
event type=PaymentType
payment date=2020-06-10
planned payment=PlanPay1
receiver amount=12000
VAT/MOMS=3000

PlanDel1 — Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1 — Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Dai1 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

amount=15000
from=Party200
resource type=Dai
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300

PC001 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC001
type=GreenSportBike

PC002 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC002
type=GreenSportBike

PC003 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC003
type=GreenSportBike

PC004 — Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC004
type=GreenSportBike

© PC005	© PC006	© PC007	© PC008	© PC009	© PC010
Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource
☒ available	☒ available	☒ available	☒ available	☒ available	☒ available
☒ reserved	☒ reserved	☒ reserved	☒ reserved	☒ reserved	☒ reserved
☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged
actual price=1200	actual price=1200	actual price=1200	actual price=1200	actual price=1200	actual price=1200
actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300
delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell
owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200
serial number=PC005	serial number=PC006	serial number=PC007	serial number=PC008	serial number=PC009	serial number=PC010
type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike

DBTR: Pre-payment procurement process
Business Event #20: Buyer: Okay, here is an order (contract) for red bikes
Stimuli: Track business process descriptions(order); Accept a contract(modify-contract); Commitment to pay(propose-commitment); Change payment to be made(modify-available-resource)
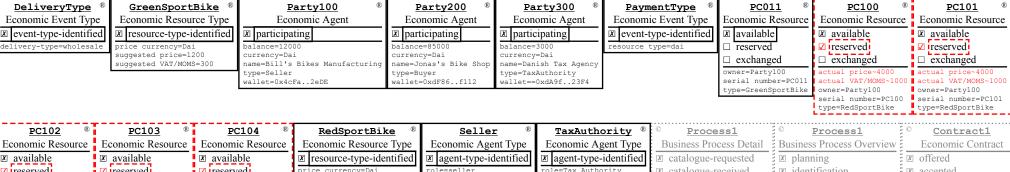From: buyer; To: seller; Document: Order;

Process2
Business Process Detail
- ☐ catalogue-requested
- ☐ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☑ order-received
- ☐ counter-order-received
- ☐ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process2
Business Process Overview
- ☐ planning
- ☒ identification
- ☒ negotiation
- ☐ actualization
- ☐ post-actualization

Contract2
Economic Contract
- ☒ offered
- ☑ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-07-01
cost=4000
planned delivery=PlanDel2
planned payment~PlanPay2
sale type=wholesale
seller party=Party100
VAT/MOMS=1000

PlanDel2
Economic Commitment
- ☒ proposed
- ☐ specified
- ☐ commitment-complete

item=RedSportBike
planned date=2020-07-15
planned quantity=5
receiver party=Party200
sender party=Party100

PlanPay2
Economic Commitment
- ☑ proposed
- ☐ specified
- ☐ commitment-complete

contract~Contract2
planned allocation~Dai2
planned date~2020-07-10
planned receiver amount~4000
planned VAT/MOMS~1000

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai2 ®
Economic Resource
- ☑ available
- ☐ reserved
- ☐ exchanged

amount~5000
from=Party200
resource type=Dai

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=12000
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating

balance=85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=3000
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet=0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Process1 ©
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☒ paid
- ☒ despatched
- ☒ goods-received
- ☐ abandoned
- ☒ completed

Process1 ©
Business Process Overview
- ☐ planning
- ☐ identification
- ☐ negotiation
- ☐ actualization
- ☒ post-actualization

Contract1 ©
Economic Contract
- ☐ offered
- ☒ accepted
- ☒ contract-complete

actual delivery=Del1
actual payment=Pay1
buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance=0
wallet currency=Dai

Del1 ©
Economic Event
- ☒ underway
- ☒ event-complete

actual date=2020-06-10
actual quantity=10
event type=DeliveryType
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

Pay1 ©
Economic Event
- ☒ underway
- ☒ event-complete

allocation sf=Dai1
contract=Contract1
event type=PaymentType
payment date=2020-06-10
planned payment=PlanPay1
receiver amount=12000
VAT/MOMS=3000

PlanDel1 ©
Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1 ©
Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Dai1 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

amount=15000
from=Party200
resource type=Dai
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300

PC001 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC001
type=GreenSportBike

PC002 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC002
type=GreenSportBike

PC003 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC003
type=GreenSportBike

PC004 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC004
type=GreenSportBike

© **PC005** Economic Resource	© **PC006** Economic Resource	© **PC007** Economic Resource	© **PC008** Economic Resource	© **PC009** Economic Resource	© **PC010** Economic Resource
☒ available ☒ reserved ☒ exchanged	☒ available ☒ reserved ☒ exchanged	☒ available ☒ reserved ☒ exchanged	☒ available ☒ reserved ☒ exchanged	☒ available ☒ reserved ☒ exchanged	☒ available ☒ reserved ☒ exchanged
actual price=1200 actual VAT/MOMS=300 delivery=Dell owner=Party200 serial number=PC005 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 delivery=Dell owner=Party200 serial number=PC006 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 delivery=Dell owner=Party200 serial number=PC007 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 delivery=Dell owner=Party200 serial number=PC008 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 delivery=Dell owner=Party200 serial number=PC009 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 delivery=Dell owner=Party200 serial number=PC010 type=GreenSportBike

DBTR: Pre-payment procurement process
Business Event #21: Seller: Deal! The order is acceptable
Stimuli: Track business process descriptions(response-simple-accept); Add actual price(reserve); Pay for an order(accept-commitment)
From: seller; To: buyer; Document: Order Response Simple;

Process2
Business Process Detail
- ☐ catalogue-requested
- ☐ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☑ order-accepted
- ☐ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process2
Business Process Overview
- ☐ planning
- ☒ identification
- ☒ negotiation
- ☑ actualization
- ☐ post-actualization

Contract2
Economic Contract
- ☒ offered
- ☒ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-07-01
cost=4000
planned delivery=PlanDel2
planned payment=PlanPay2
sale type=wholesale
seller party=Party100
VAT/MOMS=1000

PlanDel2
Economic Commitment
- ☒ proposed
- ☑ specified
- ☐ commitment-complete

item=RedSportBike
planned date=2020-07-15
planned quantity=5
receiver party=Party200
sender party=Party100

PlanPay2
Economic Commitment
- ☒ proposed
- ☑ specified
- ☐ commitment-complete

contract=Contract2
planned allocation=Dai2
planned date=2020-07-10
planned receiver amount=4000
planned VAT/MOMS=1000

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai2 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

amount=5000
from=Party200
resource type=Dai

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=12000
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☒ participating

balance=85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112

Party300 ®
Economic Agent
- ☒ participating

balance=3000
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet=0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~4000
actual VAT/MOMS~1000
owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~4000
actual VAT/MOMS~1000
owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~4000
actual VAT/MOMS~1000
owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~4000
actual VAT/MOMS~1000
owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

actual price~4000
actual VAT/MOMS~1000
owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Process1 ©
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☒ paid
- ☒ despatched
- ☒ goods-received
- ☐ abandoned
- ☒ completed

Process1 ©
Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☒ actualization
- ☒ post-actualization

Contract1 ©
Economic Contract
- ☒ offered
- ☒ accepted
- ☒ contract-complete

actual delivery=Del1
actual payment=Pay1
buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance=0
wallet currency=Dai

Del1 ©
Economic Event
- ☒ underway
- ☒ event-complete

actual date=2020-06-10
actual quantity=10
event type=DeliveryType
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

Pay1 ©
Economic Event
- ☒ underway
- ☒ event-complete

allocation sf=Dai1
contract=Contract1
event type=PaymentType
payment date=2020-06-10
planned payment=PlanPay1
receiver party=Party100
VAT/MOMS=3000

PlanDel1 ©
Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete

item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100

PlanPay1 ©
Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete

contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000

Dai1 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

amount=15000
from=Party200
resource type=Dai
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300

PC001 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC001
type=GreenSportBike

PC002 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC002
type=GreenSportBike

PC003 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC003
type=GreenSportBike

PC004 ©
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged

actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC004
type=GreenSportBike

© **PC005**	© **PC006**	© **PC007**	© **PC008**	© **PC009**	© **PC010**
Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource
☒ available	☒ available	☒ available	☒ available	☒ available	☒ available
☒ reserved	☒ reserved	☒ reserved	☒ reserved	☒ reserved	☒ reserved
☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged	☒ exchanged
actual price=1200	actual price=1200	actual price=1200	actual price=1200	actual price=1200	actual price=1200
actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300	actual VAT/MOMS=300
delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell	delivery=Dell
owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200
serial number=PC005	serial number=PC006	serial number=PC007	serial number=PC008	serial number=PC009	serial number=PC010
type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike

DBTR: Pre-payment procurement process
Business Event #22: Buyer: Okay, here is the payment
Stimuli: Track business process descriptions (remittance-advice); Payment (initiate-event); Payment to be made (reserve); Payment added to contract wallet (modify-contract); Payment removed from buyer's wallet (modify-agent)
From: buyer; To: seller; Document: Remittance Advice;

Process2
Business Process Detail
- ☐ catalogue-requested
- ☐ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☑ paid
- ☐ despatched
- ☐ goods-received
- ☐ abandoned
- ☐ completed

Process2
Business Process Overview
- ☐ planning
- ☒ identification
- ☒ negotiation
- ☒ actualization
- ☐ post-actualization

Contract2
Economic Contract
- ☒ offered
- ☑ accepted
- ☐ contract-complete

buyer party=Party200
contract date=2020-07-01
cost=4000
planned delivery=PlanDel2
planned payment=PlanPay2
sale type=wholesale
seller party=Party100
VAT/MOMS=1000
wallet balance~5000
wallet currency~Dai

Pay2
Economic Event
- ☑ underway
- ☐ event-complete

allocation sf~Dai2
contract~Contract2
event type~PaymentType
payment date~2020-07-10
planned payment~PlanPay2
receiver amount~4000
VAT/MOMS~1000

PlanDel2
Economic Commitment
- ☒ proposed
- ☒ specified
- ☐ commitment-complete

item=RedSportBike
planned date=2020-07-15
planned quantity=5
receiver party=Party200
sender party=Party100

PlanPay2
Economic Commitment
- ☒ proposed
- ☒ specified
- ☐ commitment-complete

contract=Contract2
planned allocation=Dai2
planned date=2020-07-10
planned receiver amount=4000
planned VAT/MOMS=1000

Buyer ®
Economic Agent Type
- ☒ agent-type-identified

role=buyer

Dai ®
Economic Resource Type
- ☒ resource-type-identified

exchange USD=1.0
proper name=Dai
resource type=cryptocurrency

Dai2 ®
Economic Resource
- ☒ available
- ☑ reserved
- ☐ exchanged

amount=5000
from=Party200
resource type=Dai

DeliveryType ®
Economic Event Type
- ☒ event-type-identified

delivery-type=wholesale

GreenSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=1200
suggested VAT/MOMS=300

Party100 ®
Economic Agent
- ☒ participating

balance=12000
currency=Dai
name=Bill's Bikes Manufacturing
type=Seller
wallet=0x4cFa..2eDE

Party200 ®
Economic Agent
- ☑ participating

balance=85000
currency=Dai
name=Jonas's Bike Shop
type=Buyer
wallet=0xdF86..f112
wallet balance~80000

Party300 ®
Economic Agent
- ☒ participating

balance=3000
currency=Dai
name=Danish Tax Agency
type=TaxAuthority
wallet==0xdA9f..23F4

PaymentType ®
Economic Event Type
- ☒ event-type-identified

resource type=dai

PC011 ®
Economic Resource
- ☒ available
- ☐ reserved
- ☐ exchanged

owner=Party100
serial number=PC011
type=GreenSportBike

PC100 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=4000
actual VAT/MOMS=1000
owner=Party100
serial number=PC100
type=RedSportBike

PC101 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=4000
actual VAT/MOMS=1000
owner=Party100
serial number=PC101
type=RedSportBike

PC102 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=4000
actual VAT/MOMS=1000
owner=Party100
serial number=PC102
type=RedSportBike

PC103 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=4000
actual VAT/MOMS=1000
owner=Party100
serial number=PC103
type=RedSportBike

PC104 ®
Economic Resource
- ☒ available
- ☒ reserved
- ☐ exchanged

actual price=4000
actual VAT/MOMS=1000
owner=Party100
serial number=PC104
type=RedSportBike

RedSportBike ®
Economic Resource Type
- ☒ resource-type-identified

price currency=Dai
suggested price=800
suggested VAT/MOMS=200

Seller ®
Economic Agent Type
- ☒ agent-type-identified

role=seller

TaxAuthority ®
Economic Agent Type
- ☒ agent-type-identified

role=Tax Authority

Process1 ©
Business Process Detail
- ☒ catalogue-requested
- ☒ catalogue-received
- ☒ quotation-requested
- ☒ quotation-received
- ☒ order-received
- ☐ counter-order-received
- ☒ order-accepted
- ☒ paid
- ☒ despatched
- ☒ goods-received
- ☐ abandoned
- ☒ completed

Process1 ©
Business Process Overview
- ☒ planning
- ☒ identification
- ☒ negotiation
- ☒ actualization
- ☒ post-actualization

Contract1
Economic Contract
- ☒ offered
- ☒ accepted
- ☒ contract-complete
```
actual delivery=Del1
actual payment=Pay1
buyer party=Party200
contract date=2020-06-01
cost=12000
currency=Dai
planned delivery=PlanDel1
planned payment=PlanPay1
sale type=wholesale
seller party=Party100
VAT/MOMS=3000
wallet balance=0
wallet currency=Dai
```

Del1
Economic Event
- ☒ underway
- ☒ event-complete
```
actual date=2020-06-10
actual quantity=10
event type=DeliveryType
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100
```

Pay1
Economic Event
- ☒ underway
- ☒ event-complete
```
allocation sf=Dai1
contract=Contract1
event type=PaymentType
payment date=2020-06-10
planned payment=PlanPay1
receiver amount=12000
VAT/MOMS=3000
```

PlanDel1
Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete
```
item=GreenSportBike
planned date=2020-06-15
planned quantity=10
receiver party=Party200
sender party=Party100
```

PlanPay1
Economic Commitment
- ☒ proposed
- ☒ specified
- ☒ commitment-complete
```
contract=Contract1
planned allocation=Dai1
planned date=2020-06-10
planned receiver amount=12000
planned VAT/MOMS=3000
```

Dai1
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
amount=15000
from=Party200
resource type=Dai
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300
```

PC001
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC001
type=GreenSportBike
```

PC002
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC002
type=GreenSportBike
```

PC003
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC003
type=GreenSportBike
```

PC004
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC004
type=GreenSportBike
```

PC005
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC005
type=GreenSportBike
```

PC006
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC006
type=GreenSportBike
```

PC007
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC007
type=GreenSportBike
```

PC008
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC008
type=GreenSportBike
```

PC009
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC009
type=GreenSportBike
```

PC010
Economic Resource
- ☒ available
- ☒ reserved
- ☒ exchanged
```
actual price=1200
actual VAT/MOMS=300
delivery=Del1
owner=Party200
serial number=PC010
type=GreenSportBike
```