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

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
- ☐ 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
```

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 Agent ®
- ☐ participating

Economic Event Type ®
- ☐ event-type-identified

Economic Resource ®
- ☐ available
- ☐ 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

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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

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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

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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

Delivery ®
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

Payment ®
Economic Event Type
☑ event-type-identified

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

Delivery ®
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

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

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

Delivery ®
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

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

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

Delivery ®
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

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

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
- [x] catalogue-requested
- [x] catalogue-received
- [x] quotation-requested
- [x] quotation-received
- [ ] order-received
- [ ] counter-order-received
- [ ] order-accepted
- [ ] paid
- [ ] despatched
- [ ] goods-received
- [ ] abandoned
- [ ] completed

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

Contract1
Economic Contract
- [x] offered
- [x] 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
- [x] proposed
- [ ] specified
- [ ] commitment-complete

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

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

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

Party200 ®
Economic Agent
- [x] participating

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

Party300 ®
Economic Agent
- [x] participating

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

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

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

owner=Party100
serial number=PC001
type=GreenSportBike

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

owner=Party100
serial number=PC002
type=GreenSportBike

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

owner=Party100
serial number=PC003
type=GreenSportBike

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

owner=Party100
serial number=PC004
type=GreenSportBike

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

owner=Party100
serial number=PC005
type=GreenSportBike

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

owner=Party100
serial number=PC006
type=GreenSportBike

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

owner=Party100
serial number=PC007
type=GreenSportBike

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

owner=Party100
serial number=PC008
type=GreenSportBike

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

owner=Party100
serial number=PC009
type=GreenSportBike

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

owner=Party100
serial number=PC010
type=GreenSportBike

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

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
- [x] catalogue-requested
- [x] catalogue-received
- [x] quotation-requested
- [x] quotation-received
- [x] order-received
- [ ] counter-order-received
- [ ] order-accepted
- [ ] paid
- [ ] despatched
- [ ] goods-received
- [ ] abandoned
- [ ] completed

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

Contract1
Economic Contract
- [x] offered
- [x] 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
- [x] proposed
- [ ] specified
- [ ] commitment-complete

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

PlanPay1
Economic Commitment
- [x] 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
- [x] agent-type-identified

role=buyer

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

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

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

amount~15000
from~Party200
type~Dai

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

Party200 ®
Economic Agent
- [x] participating

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

Party300 ®
Economic Agent
- [x] participating

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

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

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

owner=Party100
serial number=PC001
type=GreenSportBike

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

owner=Party100
serial number=PC002
type=GreenSportBike

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

owner=Party100
serial number=PC003
type=GreenSportBike

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

owner=Party100
serial number=PC004
type=GreenSportBike

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

owner=Party100
serial number=PC005
type=GreenSportBike

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

owner=Party100
serial number=PC006
type=GreenSportBike

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

owner=Party100
serial number=PC007
type=GreenSportBike

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

owner=Party100
serial number=PC008
type=GreenSportBike

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

owner=Party100
serial number=PC009
type=GreenSportBike

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

owner=Party100
serial number=PC010
type=GreenSportBike

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

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
type=Dai

Delivery ®
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

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

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~Dai1
contract~Contract1
event type~Payment
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
type=Dai

Delivery ®
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

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

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
- [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
- [ ] goods-received
- [ ] abandoned
- [ ] completed

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

Contract1
Economic Contract
- [x] offered
- [x] 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
- [x] underway
- [ ] event-complete

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

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

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

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

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

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

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

amount=15000
from=Party200
type=Dai

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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
- [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
- [ ] completed

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

Contract1
Economic Contract
- [x] offered
- [x] 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
- [x] underway
- [ ] event-complete

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

PlanPay1
Economic Commitment
- [x] proposed
- [x] 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
- [x] agent-type-identified

role=buyer

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

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

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

amount=15000
from=Party200
type=Dai

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

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

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

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

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

© **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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

actual price~1200
actual VAT/MOMS~300
owner~Party200
serial number=PC010
stockflow~Del1
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

Delivery ®
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

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

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=Delivery
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

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

allocation=Dai1
contract=Contract1
event type=Payment
payment date=2020-06-10
planned payment=PlanPay1
receiver amount=12000
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
to1-amount~12000
to1-party~Party100
to2-amount~3000
to2-party~Party300
type=Dai

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Delivery ® — 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

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

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=Delivery
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

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

allocation=Dai1
contract=Contract1
event type=Payment
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
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300
type=Dai

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

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

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

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

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

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

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

actual price=1200
actual VAT/MOMS=300
owner=Party200
serial number=PC004
stockflow=Del1
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
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
stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell
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
type=Dai

Delivery ® — 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

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

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=Delivery
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

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

allocation=Dai1
contract=Contract1
event type=Payment
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
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300
type=Dai

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

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

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

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

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

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

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

actual price=1200
actual VAT/MOMS=300
owner=Party200
serial number=PC004
stockflow=Del1
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
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
stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell
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
type=Dai

Delivery ®
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

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

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=Delivery
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

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

allocation=Dai1
contract=Contract1
event type=Payment
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
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300
type=Dai

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

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

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

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

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

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

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

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

Delivery ®
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

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

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=Delivery
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

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

allocation=Dai1
contract=Contract1
event type=Payment
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
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300
type=Dai

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

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

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

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

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

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

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

actual price=1200
actual VAT/MOMS=300
owner=Party200
serial number=PC004
stockflow=Del1
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
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
stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Dell
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~Dai2
contract~Contract2
event type~Payment
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
type=Dai

Delivery ®
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

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

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
- [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=Delivery
item=GreenSportBike
planned delivery=PlanDel1
receiver party=Party200
sender party=Party100

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

allocation=Dai1
contract=Contract1
event type=Payment
payment date=2020-06-10
planned payment=PlanPay1
receiver amount=12000
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
to1-amount=12000
to1-party=Party100
to2-amount=3000
to2-party=Party300
type=Dai

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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