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

©=completed	reusable=®
Instance Id	<u>dentifier</u>
State Machine	e Identifier
▼ visited state	
□ new current star	te
□ unvisited state	
old property=old v	
new property~new v	alue

Business Process Detail	Business Process Overview	Economic Commitment	Economic Contract	Economic Event
□ catalogue-requested +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-simple-reject=abandoned □ counter-order-received +abandon=abandoned □ order-accepted +response-counter=counter-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 □ abandoned □ completed	□ 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 +abandon=post-actualization □ post-actualization □ post-actualization	□ proposed +accept-commitment=specified +modify-commitment=proposed □ specified +modify-commitment=specified +complete-commitment=commitment-comple	☐ offered +accept-contract=accepted ☐ accepted +modify-contract=accepted +complete-contract-complete	underway +modify-event=underway +complete-event=event-complete event-complete
8	8	®	(8)	(8)
Economic Agent	5 51			Economic Resource Type
	ype-identified	vent-type=event-type-identified	reserved +modify-res	ype-identified ource-type=resource-type-identified

□ exchanged

Business Event #1: Establish the use of Dai as a resource type

Stimulus: Define Dai currency (identify-resource-type)

		<u>Dai</u> ®				®	®	®
Business Process Detail	Business Process Overview	Economic Resource Type	Economic Commitment	Economic Contract	Economic Event	Economic Agent	Economic Agent Type	Economic Event Type
□ catalogue-requested	□ planning		□ proposed	□ offered	□ underway	□ participating	☐ agent-type-identified	□ event-type-identified
□ catalogue-received	□ identification	exchange USD~1.0	□ specified	□ accepted	□ event-complete			
□ quotation-requested	□ negotiation	proper name~Dai resource-type~cryptocurrency	☐ commitment-complete	☐ contract-complete		4		
□ quotation-received	□ actualization		•		-			
□ order-received	□ post-actualization							
□ counter-order-received		•						
□ order-accepted								
□ paid								
□ despatched								
□ goods-received								
□ abandoned								
□ completed								
®	'							
Economic Resource								

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

		<u>Buyer</u> ®	<u>Dai</u> ®	<u>Seller</u> ®	<u>TaxAuthority</u> $^{\circledR}$		
Business Process Detail	Business Process Overview	Economic Agent Type	Economic Resource Type	Economic Agent Type	Economic Agent Type	Economic Commitment	Economic Contract
□ catalogue-requested	□ planning	agent-type-identified		☑ agent-type-identified	☑ agent-type-identified	□ proposed	□ offered
□ catalogue-received	☐ identification	role~buyer	exchange USD=1.0	role~seller	role~Tax Authority	□ specified	□ accepted
☐ quotation-requested	☐ negotiation		proper name=Dai resource-type=cryptocurrency			□ commitment-complete	☐ contract-complete
☐ quotation-received	□ actualization						
□ order-received	☐ post-actualization						
□ counter-order-received							
□ order-accepted							
□ paid							
□ despatched							
□ goods-received							
□ abandoned							
□ completed							
	-						
	®	®	®				
Economic Event Econo	omic Agent Economic Ever	t Type Economic Resou	irce				
□ underway □ pa	rticipating uevent-type-ide	entified available					
□ event-complete		□ reserved					
		□ exchanged					
							

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

		Buyer	® <u>D</u>	<u>ai</u> ®		Party100 ®	<u>Party200</u> ®	Party300 ®	<u>Seller</u> ®
Business Process Detail	Business Process Overview	v Economic Agent 7	Type Economic R	Resource Type	Е	conomic Agent	Economic Agent	Economic Agent	Economic Agent Type
□ catalogue-requested	□ planning	□ agent-type-ident	ified 🗵 resource-ty	pe-identified	partici	pating	participating	participating	■ agent-type-identified
□ catalogue-received	□ identification	role=buyer	exchange USD=	1.0	balance~0		balance~100000	balance~0	role=seller
□ quotation-requested	□ negotiation		proper name=Da	ai =cryptocurrency	currency~		currency~Dai name~Jonas's Bike Shop	currency~Dai name~Danish Tax Agency	
□ quotation-received	□ actualization		resource type	-cryptocurrency	type~Sell		type~Buyer	type~TaxAuthority	
□ order-received	□ post-actualization				wallet~0x	4cFa2eDE	wallet~0xdF86f112	wallet=~0xdA9f23F4	
□ counter-order-received		_							
□ order-accepted									
□ paid									
□ despatched									
□ goods-received									
□ abandoned									
□ completed									
TaxAuthority ®					®	®			
Economic Agent Type	Economic Commitment	Economic Contract	Economic Event	Economic Eve	ent Type	Economic Resource			
■ agent-type-identified	□ proposed	□ offered	□ underway	□ event-type-i	dentified	□ available			
role=Tax Authority	□ specified	□ accepted	□ event-complete			□ reserved			
	□ commitment-complete	□ contract-complete				□ exchanged			
_			1						

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

		<u>Buyer</u>	<u>Dai</u>	® <u>GreenSport</u>	t <u>Bike</u> ®	Party100	Party200 ®	Party300 ®
Business Process Detail	Business Process Overview	Economic Agent Type	Economic Resource Typ	e Economic Resou	ırce Туре	Economic Agent	Economic Agent	Economic Agent
□ catalogue-requested	□ planning	■ agent-type-identified	▼ resource-type-identifie	d	identified 🗵 part	icipating	□ participating	participating
□ catalogue-received	□ identification	role=buyer	exchange USD=1.0	price currency~Da		-	balance=100000	balance=0
☐ quotation-requested	□ negotiation		proper name=Dai resource-type=cryptocurre	suggested price~1 ency suggested VAT/MON		y=Dai .ll's Bikes Manufacturing	currency=Dai name=Jonas's Bike Shop	currency=Dai name=Danish Tax Agency
☐ quotation-received	□ actualization		resource type trypesturie	mey buggested villy nor	type=Se	eller	type=Buyer	type=TaxAuthority
□ order-received	□ post-actualization				wallet:	-Ox4cFa2eDE	wallet=0xdF86f112	wallet==0xdA9f23F4
□ counter-order-received		_						
□ order-accepted								
□ paid								
□ despatched								
□ goods-received								
□ abandoned								
□ completed								
RedSportBike ®	Seller ®	<u>TaxAuthority</u> ®					® ®	
Economic Resource Type	Economic Agent Type	Economic Agent Type	Economic Commitment	Economic Contract	Economic Even	Economic Event Type	Economic Resource	
	■ agent-type-identified	■ agent-type-identified	□ proposed	□ offered	□ underway	□ event-type-identifie	d □ available	
price currency~Dai		role=Tax Authority	□ specified	□ accepted	□ event-complet	2	□ reserved	
suggested price~800 suggested VAT/MOMS~200			□ commitment-complete	□ contract-complete		_	□ exchanged	

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	□ planning □ identification □ negotiation □ actualization □ post-actualiz	1	Buyer Economic Agent Type agent-type-identified role=buyer	Economic Resource Ty Tesource-type-identific exchange USD=1.0 proper name=Dai resource-type=cryptocurr	resource-typ price currency= suggested price	ource Type e-identified Dai Dai Dai DBI	y=Dai ll's Bikes Manufacturino	Economic Agent Economic Agent	<pre> Party300</pre>
□ counter-order-receive □ order-accepted □ paid □ despatched □ goods-received □ abandoned □ completed									
PC001 ® Economic Resource Ec	PC002 ®	PC003		® <u>PC005</u> ® ce Economic Resource	<u>PC006</u> ® Economic Resource	<u>PC007</u> ®	PC008 ®	<u>PC009</u> ®	PC010 ® conomic Resource
✓ available ✓ □ reserved □	available reserved	Economic Res available reserved exchanged	☑ available □ reserved	available availab	☑ available	☑ available	□ reserved [☑ available ☑ ☐ reserved ☐	available reserved exchanged
owner~Party100 own serial number~PC001 serial	er~Party100	owner~Party10 serial number type~GreenSpo	0 owner~Party100 ~PC003 serial number~PC0	owner~Party100	owner~Party100 serial number~PC006	owner~Party100 serial number~PC007	owner~Party100 consists of serial number~PC008 consists of serial number~PC08 consists of serial number~PC08 consists of seria	owner~Party100 ow serial number~PC009 se	vner-Party100 erial number-PC010 vpe-GreenSportBike
available availab	RedSportBike conomic Resource resource-type-ident	Гуре Есоп	nomic Agent Type Econ ent-type-identified E ag	ent-type-identified	onomic Commitment proposed	Economic Contrac	Economic Event underway event-complete	Economic Event Type event-type-identifie	<u> </u>
□ avahangad sug	gested price=800 gested VAT/MOMS=20	0	•		commitment-complete	□ contract-complet	_ ^		

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

Business Process De	tail Business Proce		Buyer ® Economic Agent Type	<u>Dai</u> Economic Resource Ty		source Type	<u>Part</u> Economi		Party200 Economic Agent	® Party300 Economic Agent
□ catalogue-requeste □ catalogue-received □ quotation-requeste □ quotation-received	☐ identification ☐ negotiation	on ro	agent-type-identified ole=buyer	resource-type-identifie exchange USD=1.0 proper name=Dai resource-type=cryptocurre	price currency- suggested price	=Dai e=1200 MOMS=300	participating balance=0 currency=Dai name=Bill's Bike type=Seller	3	type=Buyer	type=TaxAuthority
□ order-received □ counter-order-received □ order-accepted □ paid □ despatched □ goods-received □ abandoned □ completed	post-actuali	zation				L	wallet=0x4cFa2	eeDE	wallet=0xdF86.,f112	wallet==0xdA9f23F4
□ reserved □ exchanged	PC002 ® Economic Resource available reserved exchanged owner=Party100 serial number=PC002 type=GreenSportBike	PC003 Economic Reso			PC006 ® Economic Resource available reserved exchanged owner=Party100 serial number=PC006 type=GreenSportBike	PC007 Economic Re	Econom avail reser conom cono	lable X I I I I I I I I I	available	PC010 ® conomic Resource available reserved exchanged ner=Party100 rial number=PC010 pe=GreenSportBike
available reserved reserved		PC101 Economic Reso ✓ available □ reserved □ exchanged	® PC102 Durce Economic Resoure	☑ available □ reserved	PC104 ® Economic Resource ✓ available □ reserved □ exchanged	Economic R resource-tree rice current suggested pri	cy=Dai ice=800	Economic Ager agent-type-id	nt Type Economic	Agent Type be-identified chority
owner=Party100 serial number=PC011	owner~Party100 serial number~PC100 type~RedSportBike	owner~Party100 serial number~P type~RedSportBi	owner~Party100 PC101 serial number~PC1 ike type~RedSportBike	owner~Party100 02 serial number~PC103	owner~Party100	suggested VAT	r/MOMS=200			
□ proposed □ specified □ commitment-comp	□ offered □ accepted	□ unde		pe-identified						

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

		Buyer	® <u>Dai</u>	® Delive	ry ® Green	SportBike ®	Party100 ®	Party200 ®
Business Process Detail	1 Business Process Overvie	w Economic Agent T	ype Economic Resourc	ce Type Economic Eve	ent Type Economic	Resource Type	Economic Agent	Economic Agent
□ catalogue-requested	□ planning	agent-type-identi agent-type-identi	fied resource-type-ide	ntified vevent-type-i	dentified 🗷 resource	e-type-identified	□ participating	□ participating
□ catalogue-received	□ identification	role=buyer	exchange USD=1.0	delivery-type~w	holesale price curre		balance=0	balance=100000
□ quotation-requested	□ negotiation		proper name=Dai resource-type=crypto		suggested	price=1200 VAT/MOMS=300	currency=Dai name=Bill's Bikes Manufacturing	currency=Dai name=Jonas's Bike Shop
□ quotation-received	□ actualization		resource-type-crypto	ocurrency	suggested	VAI/MOMS-300	type=Seller	type=Buyer
□ order-received	□ post-actualization						wallet=0x4cFa2eDE	wallet=0xdF86f112
□ counter-order-receive	d T	_						
□ order-accepted								
paid '								
despatched								
□ goods-received								
□ abandoned								
□ completed								
1								
Party300 ®	Payment ®	PC001 ®		003 ® PC004			006 ® PC007 ®	PC008 ®
Economic Agent				c Resource Economic Re				Economic Resource
□ participating			vailable 🗷 availal	_		availab		available availab
balance=0 currency=Dai			eserved		□ reserved	□ reserve		reserved
name=Danish Tax Agency	I —		xchanged exchanged	<u> </u>				□ exchanged
type=TaxAuthority wallet==0xdA9f23F4			r=Party100 owner=Par al number=PC002 serial nu	rty100 owner=Party10 nmber=PC003 serial number				owner=Party100 serial number=PC008
walletUXQA9123F4				enSportBike type=GreenSpo				type=GreenSportBike
PC009 ®	PC010 ® PC0		00 ® <u>PC101</u>	® <u>PC102</u> ®	<u>PC103</u> ®	PC104	RedSportBike	<u>Seller</u>
Economic Resource Ec	conomic Resource Economic	Resource Economic R	Resource Economic Resou	rce Economic Resource	Economic Resource	Economic Resour	ce Economic Resource Type	Economic Agent Type
🗷 available 🗵	available 🗵 availab	le 🗵 available	■ available	available	available	available	resource-type-identified	■ agent-type-identified
□ reserved □	reserved reserve		□ reserved	□ reserved	□ reserved	□ reserved	price currency=Dai	role=seller
□ exchanged □	exchanged exchan	ged □ exchange	ed □ exchanged	□ exchanged	□ exchanged	□ exchanged	suggested price=800 suggested VAT/MOMS=200	
	ner=Party100 owner=Part			owner=Party100	owner=Party100	owner=Party100		1
	rial number=PC010 serial num pe=GreenSportBike type=Greer				serial number=PC103 type=RedSportBike	serial number=PC1 type=RedSportBike		
cype-Greensportbike typ	be-greeusborrprke Type=greeu	sportbike type-kedspor	type-redoportBik	e type-redsportBike	rype-reasportprke	rype-kensbortBike		
TaxAuthority ®								
Economic Agent Type	Economic Commitment	Economic Contract	Economic Event					
□ agent-type-identified		□ offered	□ underway					
role=Tax Authority		□ accented	= underway					

□ commitment-complete □ contract-complete

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	 ✓ planning □ identification □ negotiation □ actualization □ post-actualizatio 	verview Economic Economic agent-type role=buyer	re-identified re	Dai onomic Resource Typesource-type-identified ange USD=1.0 er name-Dai urce-type=cryptocurre	ed event-type-i	ent Type dentified wholesale Economi price curr suggested	rency=Dai ba price=1200 cu VAT/MOMS=300 ty	Party100 Economic Agent participating clance=0 crrency=Dai cme=Bill's Bikes Manufacturing cpe=Seller cllet=0x4cFa2eDE	Economic Agent participating
□ goods-received□ abandoned□ completed									
Economic Agent Darticipating Dalance=0 currency=Dai name=Danish Tax Agency type=TaxAuthority wallet==0xdA9f23F4	Payment Economic Event Type	_	available □ reserved □ exchanged owner=Party100 serial number=Po	■ available reserved exchanged owner=Party100 serial number=	source Economic Re available reserved exchanged owner=Party10 serial number	Esource Economic R available reserved exchange owner=Party1 serial numbe	esource Economic R available	Economic Resource	Economic Resource available reserved exchanged owner=Party100 serial number=PC008 type=GreenSportBike
	available reserved cachanged own sial number=PC010 ser.	available	eserved cxchanged cr=Party100 all number=PC100 se		PC102 ® Economic Resource available reserved exchanged owner=Party100 serial number=PC102 type=RedSportBike	PC103 ® Economic Resource ☑ available ☐ reserved ☐ exchanged owner=Partyl00 serial number=PC103 type=RedSportBike	PC104 Economic Resource available reserved exchanged owner=Party100 serial number=PC104 type=RedSportBike	resource-type-identified price currency=Dai suggested price=800 suggested VAT/MOMS=200	Seller ® Economic Agent Type agent-type-identified role=seller
Economic Agent Type Bagent-type-identified	Economic Commitm proposed specified commitment-comp	□ offered □ accepted	□ underwa	ay				_	

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 quotation-requested quotation-received quotation-received counter-order-received paid despatched goods-received abandoned completed	Process1 Business Process Overview planning identification negotiation actualization post-actualization	role=buyer	Dai Economic Resource Type Tesource-type-identified exchange USD=1.0 proper name=Dai resource-type=cryptocurrence	event-type-identified delivery-type=wholesale	d resource-type-identified	Party100 Economic Agent participating balance=0 currency=Dai name=Bill's Bikes Manufacturin type=Seller wallet=0x4cFa2eDE	B Party200 © Economic Agent
	event-type-identified	momic Resource vailable Economic Esserved □ available □ reserved □ exchanged □ reparty100 al number=PC001 serial number=GreensportBike	Resource Economic Resource		Economic Resource Econom	able	PC008 Economic Resource available reserved cover=Party100 serial number=PC008 type=GreenSportBike
	pc010 ® nomic Resource vailable eserved xchanged r=Party100 al number=PC010 eGreenSportBike pc01	Lesource Economic Resource available		conomic Resource Economic Resource available reserved rese		resource-type-identified price currency=Dai suggested price=800 suggested VAT/MOMS=200	Seller ® Economic Agent Type agent-type-identified role=seller
role=Tax Authority	□ proposed □ specified □	offered und	nomic Event derway ent-complete				

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 quotation-requested quotation-received counter-order-received order-accepted paid despatched goods-received	Process1 Business Process Overview planning didentification negotiation actualization post-actualization	planned delivery~PlanDell sale type~wholesale	PlanDell 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 agent-type-ider	Economic resource-texchange USD proper name=	type-identified Z	Delivery ® Economic Event Type event-type-identified slivery-type=wholesale	GreenSportBike Economic Resource Type I resource-type-identified price currency=Dai suggested price=1200 suggested VAT/MOMS=300
□ abandoned □ completed Party100 Economic Agent participating balance=0 currency=Dai name=Bill's Bikes Manufact type=Seller wallet=0x4cFa2eDE	© Party200 € Economic Agent ☑ participating balance=100000 currency=Dai name=Jonas's Bike Shor type=Buyer wallet=0xdF86f112	balance=0 currency=Dai	event-type-identified	PC001 ® Economic Resource available reserved exchanged exchanged serial number=PC001 type=GreenSportBike	PC002 ® Economic Resource available reserved exchanged owner=Party100 serial number=PC002 type=GreenSportBike	PC003 Economic Resourc available reserved exchanged owner=Party100 serial number=PC00 type=GreenSportBik		PC005 ® Economic Resource ☑ available ☐ reserved ☐ exchanged owner=Party100 serial number=PC005 type=GreenSportBike
	PC007	Economic Resource available reserved exchanged exchanged		available reserved exchanged	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	□ available □ reserved □ exchanged owner=Party100	Economic Resource
Economic Resource available	nomic Resource Type source-type-identified	nomic Agent Type Econ ent-type-identified	omic Agent Type ent-type-identified Econo und	omic Event lerway nt-complete				

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

Process1 Business Process Detail ☐ catalogue-requested ☐ catalogue-received ☐ quotation-requested ☐ order-received ☐ counter-order-received ☐ order-accepted ☐ paid ☐ despatched	Process1 Business Process Overview planning didentification congotiation congotiation congotiation congotiation congotiation congotiation	Contract1 Economic Contract	PlanDell 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 agent-type-iden role=buyer	Type Economic resource- exchange USD proper name=	=1.0	Delivery ® Economic Event Type event-type-identified lelivery-type=wholesale	GreenSportBike Economic Resource Type resource-type-identified price currency=Dai suggested price=1200 suggested VAT/MOMS=300
□ goods-received □ abandoned □ completed Party100 Economic Agent participating	® Party200 © Economic Agent E participating		event-type-identified	PC001 ® Economic Resource I available	PC002 ® Economic Resource ☑ available	PC003 Economic Resour ☑ available		PC005 ® Economic Resource available
balance=0 currency=Dai name=Bill's Bikes Manufact type=Seller wallet=0x4cFa2eDE	balance=100000 currency=Dai name=Jonas's Bike Sho type=Buyer wallet=0xdF86f112	balance=0 currency=Dai p name=Danish Tax Agency type=TaxAuthority wallet==0xdA9f23F4		reserved reschanged wner=Party100 serial number=PC001 type=GreenSportBike	□ reserved □ exchanged owner=Party100 serial number=PC002 type=GreenSportBike	□ reserved □ exchanged owner=Party100 serial number=PC0 type=GreenSportBi		□ reserved □ exchanged owner=Party100 serial number=PC005 type=GreenSportBike
	PC007	esource Economic Resource		available reserved exchanged where=Party100 erial number=PC011	Economic Resource available reserved exchanged owner=Party100 serial number=PC100 type=RedSportBike	PC101 Economic Resourc ☐ available ☐ reserved ☐ exchanged owner=Party100 serial number=PC10 type=RedSportBike	□ available □ reserved □ exchanged owner=Party100	Economic Resource available reserved exchanged owner=Party100 serial number=PC103 type=RedSportBike
Economic Resource available reserved price price	source-type-identified 🗵 ag	onomic Agent Type gent-type-identified Economic Agent Type gent-type-identified	ent-type-identified und	omic Event derway ent-complete				

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;

			Trom: buyer,	10. sener, Document. Order,			
Process1	Process1	Contract1	PlanDel1	PlanPay1	Buyer	® <u>Dai</u>	® <u>Dail</u> ®
Business Process Detail	Business Process Overview	Economic Contract	Economic Commitment	Economic Commitmen	nt Economic Agent Type	Economic Resource	Type Economic Resource
✓ catalogue-requested	🗷 planning	☑ offered	▼ proposed	✓ proposed		d ☑ resource-type-identi	ified 🔽 available
catalogue-received	<u>identification</u>	accepted accepted	□ specified	□ specified	role=buyer	exchange USD=1.0	□ reserved
quotation-requested	negotiation	☐ contract-complete	□ commitment-complete	☐ commitment-complete		proper name=Dai resource-type=cryptocu	rrency exchanged
quotation-received	□ actualization		item=GreenSportBike	contract~Contract1	 i		amount~15000
order-received	□ post-actualization		planned date=2020-06-15 planned quantity=10	planned allocation~Dail planned date~2020-06-10			from~Party200 type~Dai
□ counter-order-received		currency=Dai	receiver party=Party200	planned receiver amount~	12000		
☐ order-accepted	i	planned delivery=PlanDel1 planned payment~PlanPay1	sender party=Party100	planned VAT/MOMS~3000			
□ paid	 	sale type=wholesale					
☐ despatched	į	seller party=Party100					
□ goods-received		VAT/MOMS=3000					
☐ abandoned	!						
□ completed	i						
L 							
<u>Delivery</u> ®	<u>GreenSportBike</u> ®	Party100	® Party200	<pre>Party300 ®</pre>	<u>Payment</u> ®	PC001 ®	PC002 ® PC003 ®
Economic Event Type	Economic Resource Type	Economic Agent	Economic Agent	Economic Agent	Economic Event Type Ec	conomic Resource Econor	mic Resource Economic Resource
event-type-identified	resource-type-identified	▼ participating	□ participating	□ participating	🗷 event-type-identified 🗵	available 🗵 avai	ilable 🗷 available
delivery-type=wholesale	price currency=Dai	balance=0	balance=100000	balance=0		reserved rese	
		currency=Dai name=Bill's Bikes Manufacturi	currency=Dai ng name=Jonas's Bike Sho	currency=Dai name=Danish Tax Agency		exchanged excl	hanged □ exchanged
L	suggested VAI/MOMS=300	type=Seller	type=Buyer	type=TaxAuthority			Party100 owner=Party100
	L	wallet=0x4cFa2eDE	wallet=0xdF86f112	wallet==0xdA9f23F4			number=PC002 serial number=PC003 reenSportBike type=GreenSportBike
					Су	pe-dreensportBike type-dr	.eensportBike type-GreensportBike
PC004 ®	PC005 ® PC00	6 ® PC007 ®	PC008 ®	PC009 ® P	C010 ® PC011	® PC100 ®	PC101 ®
Economic Resource Econ					nic Resource Economic Reso		
🗷 available 🗷 av	vailable 🗷 available	▼ available	🗷 available	available 🗷 avai	lable 🗵 available		☑ available
	eserved	□ reserved		reserved \square reser		□ reserved	□ reserved
	changed □ exchange			exchanged \square exch		□ exchanged	□ exchanged
<u> </u>	r=Party100 owner=Party1		1	mer=Party100 owner=P	<u> </u>	owner=Party100	owner=Party100
	al number=PC005 serial number				number=PC010 serial number=		
type=GreenSportBike type=	=GreenSportBike type=GreenSp	ortBike type=GreenSportBike	type=GreenSportBike ty	pe=GreenSportBike type=Gr	eenSportBike type=GreenSport	tBike type=RedSportBike	type=RedSportBike
PC102 ®	PC103 ® PC10	4 ® RedSportBi	ke ® Seller	® TaxAuthori	ity ®		
	nomic Resource Economic R				- 1		
	vailable	resource-type-ide	<u> </u>				
· · · · · · · · · · · · · · · · · · ·	served available	price currency=Dai	role=seller	role=Tax Authorit			
	changed \Box reserved \Box exchange	d suggested price=800		TOTC-TAX AUCHOFF	-2 = cvent-complete		
<u> </u>	e=Party100 owner=Party1	suggested VAT/MOMS=	200				
serial number=PC102 seria	al number=PC103 serial numbe	r=PC104					
type=RedSportBike type=	=RedSportBike type=RedSpor	tBike					

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	Proce		_	ontract1	<u>PlanDel1</u>		PlanP	_		Buyer	B	<u>Dai</u>	® <u>Dai1</u> ®	l .
Business Process De	tail Business Proce	ss Overview	Eco	nomic Contract	Economic Commitm	ent	Economic Co	mmitment		mic Agent Type		Economic Resource Type	Economic Resource	I
	d		▼ offer	ed	▼ proposed	<u> </u>	proposed		ager	nt-type-identified	l X	resource-type-identified	available availab	l l
	identification iden	n	x acce	pted	✓ specified	✓	specified		role=bu	yer		change USD=1.0	□ reserved	ı
			□ cont	ract-complete	□ commitment-comp	lete 📙 🗆	commitment-	complete				oper name=Dai source-type=cryptocurrenc	exchanged	ı
				arty=Party200	item=GreenSportBike	co	ntract=Contrac	t1	-		16	source-type=cryptocurrenc	amount=15000	ı
✓ order-received	□ post-actualiz		contract		planned date=2020-06-		anned allocati anned date=202		1				from=Party200	l l
□ counter-order-recei			currency		planned quantity=10 receiver party=Party2		anned date=202. anned receiver		0				type=Dai	1
✓ order-accepted			planned	delivery=PlanDel1	sender party=Party100		anned VAT/MOMS							
□ paid				payment=PlanPayl pe=wholesale					_					
□ despatched				party=Party100										
□ goods-received	!		VAT/MOM	S=3000										
□ abandoned														
□ completed														
- completed	 j													
Delivery	® GreenSpor	tBike ®		Party100	® Party200	®	Party30	00 ®	Paym	ent ®	P	C001 ® PC00	2 ® PC003	®
Economic Event Typ			E	conomic Agent	Economic Age	-	Economic A				_	ic Resource Economic R		
event-type-identifie		71	▼ partici		— I 		participating				availa			ource
			alance=0		participating		participating palance=0	<u> </u>	event-type					
delivery-type=wholesa	suggested price=		urrency=		currency=Dai		currency=Dai				reser excha			
	suggested VAT/MON			's Bikes Manufacturi			name=Danish Tax					orice~1200 actual price		1000
			ype=Sell allet=0x	er 4cFa2eDE	type=Buyer wallet=0xdF86f1		ype=TaxAuthori vallet==0xdA9f.					AT/MOMS~300 actual VAT/N		
												rty100 owner=Party1		
										ser tvp	rial n e=Gre	umber=PC001 serial numbe enSportBike type=GreenSp	er=PC002 serial number= portBike type=GreenSpor	:PC003 rtBike
										L21				
PC004 ®	PC005 ®	PC006	5 ®	PC007 ®	PC008		PC009 ®	PC01	<u>LO</u> ®	PC011	®	PC100 ®	PC101 ®	
Economic Resource	Economic Resource	Economic Re	esource	Economic Resource	Economic Resource	Econo	mic Resource	Economic F	Resource	Economic Resou	urce	Economic Resource Eco	onomic Resource	
available availab	available available	available		■ available	■ available	≭ ava	ilable	🗷 available	·			🗷 available 🗵	available	
☑ reserved	☑ reserved	☑ reserved		reserved reserved		☑ res	erved	reserved		□ reserved			reserved	
□ exchanged		□ exchange	i .	□ exchanged	□ exchanged	□ exc	hanged	□ exchange	ed	□ exchanged		□ exchanged □	exchanged	
	actual price~1200	actual price	-1200	actual price~1200	actual price~1200	actual	price~1200		e~1200	owner=Party100			er=Party100	
actual VAT/MOMS~300										serial number=P0			ial number=PC101	
owner=Party100 serial number=PC004		owner=Party10		owner=Party100 serial number=PC007	owner=Party100 serial number=PC008		Party100	owner=Party		type=GreenSportI	Bike	type=RedSportBike typ	e=RedSportBike	
type=GreenSportBike					type=GreenSportBike		reenSportBike							
PC102 ®	<u>PC103</u> ®	PC104	_	RedSportBi		<u>ler</u>		Authority						
		Economic Re	esource	Economic Resourc	71	Agent Ty	<u> </u>	nic Agent Typ		nomic Event				
available availab	available availab	available		resource-type-ide	entified 🗵 agent-typ	e-identif	ñed 🗵 agent	-type-identifi	ied 🗆 ur	nderway				
	□ reserved	□ reserved		price currency=Dai	role=seller			Authority		vent-complete				
□ exchanged	□ exchanged	□ exchanged	i l	suggested price=800 suggested VAT/MOMS=										
owner=Party100	owner=Party100	owner=Partyl		suggested VMI/MOMS=	200									
		serial number												
type=RedSportBike	type=RedSportBike	type=RedSport	:B1ke											

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;

			From buyer, 10. so	eller; Document: Remittance Advic	.c. ,		
Process1	Process1	Contract1	Pay1	PlanDel1	PlanPay1	Buyer ®	<u>Dai</u> ®
Business Process Deta	ail Business Process Overview	Economic Contract	Economic Event	Economic Commitment	Economic Commitment	Economic Agent Type	Economic Resource Type
	▼ planning	☑ offered	✓ underway	proposed proposed	☑ proposed	■ agent-type-identified	☑ resource-type-identified
☑ catalogue-received	☑ identification	□ accepted	□ event-complete			role=buyer	exchange USD=1.0
	✓ negotiation	□ contract-complete	allocation~Dail	commitment-complete			proper name=Dai
		buyer party=Party200	contract~Contract1 event type~Payment	item=GreenSportBike	contract=Contract1		resource-type=cryptocurrency
	□ post-actualization	contract date=2020-06-01 cost=12000	payment date~2020-06-10	planned date=2020-06-15 planned quantity=10	planned allocation=Dail planned date=2020-06-10		
☐ counter-order-receive	ed !	currency=Dai	planned payment~PlanPayl	receiver party=Party200	planned receiver amount=12000		
✓ order-accepted		planned delivery=PlanDell	receiver amount~12000 VAT/MOMS~3000	sender party=Party100	planned VAT/MOMS=3000		
paid pai		planned payment=PlanPayl sale type=wholesale		•			
□ despatched	i	seller party=Party100					
☐ goods-received		VAT/MOMS=3000 wallet balance~15000					
☐ abandoned		wallet currency~Dai					
□ completed							
L 	 -i						
Dai1 ®	Delivery ® Gre	enSportBike ®	Party100 ®	Party200 ®	Party300 ® Pa	yment ® PC	001 ® PC002 ®
Economic Resource		nic Resource Type	Economic Agent	Economic Agent	Economic Agent Econom	ic Event Type Economic	Resource Economic Resource
🗷 available	event-type-identified 🗵 resou	rce-type-identified part	icipating	✓ participating 🗵	participating 🗵 event-	type-identified 🗵 availal	ble Z available
	elivery-type=wholesale price cu	rrency=Dai balance	=0	balance~85000 ba	alance=0	reserv	
□ exchanged	suggeste	ed price=1200 currence ed VAT/MOMS=300 name=Bi	y=Dai ll's Bikes Manufacturing		urrency=Dai ame=Danish Tax Agency	□ exchai	
amount=15000	suggeste	type=Se			ype=TaxAuthority	actual pr	ice=1200 actual price=1200
from=Party200		wallet=	0x4cFa2eDE	wallet=0xdF86f112 wa	allet==0xdA9f23F4	actual VA owner=Par	T/MOMS=300 actual VAT/MOMS=300 ty100 owner=Party100
type=Dai							mber=PC001 serial number=PC002
						type=Gree	nSportBike type=GreenSportBike
		5 ® PC006		®I -		0	PC100 ®
PC003 ®	PC004 ® PC00		PC007 ®		PC009 ® PC010	® <u>PC011</u> ®	FCIOO
	Economic Resource Economic R				mic Resource Economic Resource	_ .	Economic Resource
	available available	available availab		available 🗷 avai		■ available	available
	reserved reserved	reserved		reserved rese		I I	□ reserved
1	□ exchanged □ exchange				hanged exchanged		□ exchanged
	ctual price=1200 actual price ctual VAT/MOMS=300 actual VAT/M				price=1200 actual price=1200 VAT/MOMS=300 actual VAT/MOMS=30		owner=Party100 serial number=PC100
owner=Party100 ov	wner=Party100 owner=Party1	00 owner=Party100	owner=Party100 o	wner=Party100 owner=F	Party100 owner=Party100	type=GreenSportBike	type=RedSportBike
	erial number=PC004 serial numbe ype=GreenSportBike type=GreenSp				number=PC009 serial number=PC00 reenSportBike type=GreenSportBil		
type-dreensportBike t	ype-dreemsportBike type-dreemsp	orthike type-dreensporthik	type-dreensportBike t	ype-dreensportBike type-dr	teensportBike type-GreensportBi	re	
PC101 ®	PC102 ® PC103	3 ® PC104	RedSportBike	® Seller	® TaxAuthority ®		
	Economic Resource Economic R						
	available available		resource-type-identi				
	reserved reserved	□ reserved	price currency=Dai	role=seller	role=Tax Authority		
	□ exchanged □ exchange		suggested price=800				
	wner=Party100 owner=Party1		suggested VAT/MOMS=200				
serial number=PC101 se	erial number=PC102 serial numbe	r=PC103 serial number=PC10	1				
type=RedSportBike ty	ype=RedSportBike type=RedSpor	tBike type=RedSportBike					

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	Process1	Contract1	Del1	Pay1	PlanDel1	PlanPay1	Buyer
Business Process Detail	Business Process Overview	Economic Contract	Economic Event	Economic Event	Economic Commitment	Economic Commitment	Economic Agent Type
☑ catalogue-requested		✓ offered	✓ underway	underway underway	□ proposed	□ proposed	☑ agent-type-identified
☑ catalogue-received	☑ identification		□ event-complete	□ event-complete			role=buyer
☑ quotation-requested	negotiation	□ contract-complete	actual date~2020-06-10	allocation=Dail	□ commitment-complete	□ commitment-complete	
☑ quotation-received		buyer party=Party200	actual quantity~10 event type~Delivery	contract=Contract1 event type=Payment	item=GreenSportBike	contract=Contract1	_
	□ post-actualization	contract date=2020-06-01 cost=12000	item~GreenSportBike	payment date=2020-06-10	planned date=2020-06-15 planned quantity=10	planned allocation=Dail planned date=2020-06-10	
□ counter-order-received		currency=Dai	planned delivery~PlanDel	planned payment=PlanPay1 receiver amount=12000	receiver party=Party200	planned date=2020 00 10 planned receiver amount=120	00
✓ order-accepted	i	planned delivery=PlanDel1 planned payment=PlanPay1	receiver party~Party200 sender party~Party100	VAT/MOMS=3000	sender party=Party100	planned VAT/MOMS=3000	
paid paid		sale type=wholesale		-	•		
✓ despatched	İ	seller party=Party100 VAT/MOMS=3000					
☐ goods-received		wallet balance=15000					
☐ abandoned		wallet currency=Dai					
☐ completed							
	· ·				. 1		
<u>Dai</u>	® <u>Dai1</u> ®		reenSportBike ®	Party100	® Party200 ®	Party300 ®	Payment ®
Economic Resource Type			nomic Resource Type	Economic Agent	Economic Agent		conomic Event Type
▼ resource-type-identified				participating	□ participating		event-type-identified
exchange USD=1.0 proper name=Dai				llance=0 urrency=Dai	balance=85000 currency=Dai	balance=0 currency=Dai	
resource-type=cryptocurren	□ exchanged			mrency-bar mme=Bill's Bikes Manufacturi		name=Danish Tax Agency	
	amount=15000 from=Party200			ype=Seller	type=Buyer wallet=0xdF86f112	type=TaxAuthority wallet==0xdA9f23F4	
	type=Dai		Wa	allet=0x4cFa2eDE	Wallet=Uxdf86fil2	wallet==UxdA9123F4	
		. 1		. 1			
PC001 ®	PC002 ® PC00		PC005 ®		©007 ® PC008		PC010 ®
	nomic Resource Economic R				nic Resource Economic Res		Economic Resource
	vailable 🗵 available	· • —		☑ available ☑ avai		available	available available
	eserved 🗷 reserved	▼ reserved		reserved reserved		▼ reserved	▼ reserved
II	xchanged		<u> </u>		anged exchanged		□ exchanged
	al price=1200 actual price al VAT/MOMS=300 actual VAT/M				price=1200 actual price= VAT/MOMS=300 actual VAT/MO		actual price=1200 actual VAT/MOMS=300
	r=Party100 owner=Party1			wner=Party100 owner=Party100			owner=Party100
	al number=PC002 serial numbe				number=PC007 serial number		serial number=PC010
type=GreenSportBike type=	=GreenSportBike type=GreenSp	portBike type=GreenSportBik	e type=GreenSportBike t	ype=GreenSportBike type=Gr	eenSportBike type=GreenSpo	rtBike type=GreenSportBike	type=GreenSportBike
PC011 ®	PC100 ® PC10	1 ® PC102	® PC103 ®	PC104 ® Re	dSportBike ®	Seller ® TaxA	uthority ®
	nomic Resource Economic R	_			_		ic Agent Type
	vailable				<u></u>		type-identified
	eserved available reserved	□ reserved			urrency=Dai role=s		Authority
	xchanged \square exchange			evchanged	ed price=800	, , , , , , , , , , , , , , , , , , , ,	- 2
<u> </u>	r=Party100 owner=Party1		_ _	wner=Party100	ed VAT/MOMS=200		
serial number=PC011 seria	al number=PC100 serial number	er=PC101 serial number=PC10	2 serial number=PC103 s	erial number=PC104			
type=GreenSportBike type=	=RedSportBike type=RedSpor	rtBike type=RedSportBike	type=RedSportBike t	ype=RedSportBike			

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;

				From: buyer; 10	: seller; Document: Receipt Advice	2;				
Process1	Process1		Contract1	Pay1	PlanPay1	Buye	<u>r</u>	Dai	<u>i</u> ®	Dail ®
Business Process Detail	Business Process Ov	verview Eco	onomic Contract	Economic Event	Economic Commitme	nt Economic Ag	ent Type I	Economic Res	source Type	Economic Resource
	✓ planning	✓ offe	ered	underway	☑ proposed	agent-type-i	identified 🗷	resource-type	e-identified	■ available
	identification	acce acc	epted	event-complete		role=buyer		change USD=1.0		▼ reserved
	■ negotiation	□ con		llocation=Dail	□ commitment-complete	;		oper name=Dai source-type=c:		□ exchanged
	actualization		party=Party200	ontract=Contract1 vent type=Payment	contract=Contract1		163	воштсе-суре-с		amount=15000
▼ order-received	□ post-actualization	n contract	3t date-2020-06-01	ayment date=2020-06-10	planned allocation=Dail planned date=2020-06-10					from=Party200 type=Dai
□ counter-order-received	}	currence	p] p]	lanned payment=PlanPay1	planned date=2020-00-10	12000			L	суре-ват
✓ order-accepted			d delivery=PlanDell	eceiver amount=12000 AT/MOMS=3000	planned VAT/MOMS=3000					
x paid	!		d payment=PlanPayl VF ype=wholesale		_					
despatched	į	seller	party=Party100							
☑ goods-received			MS=3000 balance=15000							
□ abandoned	İ		currency=Dai							
□ completed	1									
	u .									
<u>Delivery</u> ®	GreenSportBil	ke ®	Party100	Party200	® Party300	<u>Payment</u>		©C011 ®	PC100	® <u>PC101</u>
Economic Event Type	Economic Resource	71	Economic Agent	Economic Agent	Economic Agent	Economic Event T		nic Resource	Economic Res	
	resource-type-iden	tified 🗵 partic	ipating	participating	participating		ified 🗷 avai	lable	available	available
	price currency=Dai suggested price=1200	balance= currency=		balance=85000 currency=Dai	balance=0 currency=Dai		□ resei	rved	□ reserved	□ reserved
	suggested VAT/MOMS=30		-Dai l's Bikes Manufacturin			,	□ exch		□ exchanged	□ exchanged
-		type=Sel:		type=Buyer	<pre>type=TaxAuthority wallet==0xdA9f23F4</pre>		owner=P	arty100 number=PC011	owner=Party100 serial number=	
		wallet=0	x4cFa2eDE	wallet=0xdF86f112	wallet==UxdA9123F4	_		eenSportBike	type=RedSportE	
	- 1									, ,,,,,,,
PC102 ®	PC103 ®	PC104 ®	RedSportBike				el1	*	anDel1	© <u>PC001</u>
		nomic Resource	Economic Resource	71	<u> </u>	<u> </u>	mic Event		Commitment	Economic Resource
		vailable	resource-type-iden					x propose		🗷 available
		eserved	price currency=Dai suggested price=800	role=seller	role=Tax Author			🗷 specifie		reserved reserved
		exchanged	suggested VAT/MOMS=20	00		actual date	=2020-06-10		ment-complete	
		er=Party100 al number=PC104				event type=	Delivery	item=GreenS	SportBike te=2020-06-15	actual price~1200 actual VAT/MOMS~300
		=RedSportBike				item=GreenS	portBike ivery=PlanDell	planned qua		owner~Party200
*			•				rty=Party200		arty=Party200	serial number=PC001 stockflow~Del1
						sender part	y=Party100	sender part	ty=Party100	rype-Greensportbike •
		• • • • • • • • • • • • • • • • • • • •	<u>.</u>			•••••				
© <u>PC002</u> ©	PC003	PC004	© <u>PC005</u>	© <u>PC006</u>	PC007 ©	PC008	PC009	© <u>PC01</u>	<u>. 0</u>	
Economic Resource Econ	nomic Resource Ecor	nomic Resource	Economic Resource	Economic Resource I	Economic Resource Econo	mic Resource Econo	omic Resource	Economic F	Resource	
🗷 available 🗵 a	vailable 🗵 a	ıvailable	🗷 available	🗷 available	🗷 available 🗷 ava	ailable 🗷 ava	ailable	🗷 available		
🗷 reserved 🗵 re	eserved 🗷 re	eserved				erved 🗷 res		🗷 reserved		
Z exchanged	xchanged 🗹 e	exchanged	exchanged exchang	☑ exchanged □	☑ exchanged exc	changed 🗵 exc	changed	exchange	ed	
		al price~1200	actual price~1200				price~1200	actual price		
		al VAT/MOMS~300 : er~Party200	actual VAT/MOMS~300 owner~Party200				VAT/MOMS~300 Partv200	actual VAT/I		
serial number=PC002 seri	al number=PC003 seri	al number=PC004	serial number=PC005	serial number=PC006 s	erial number=PC007 serial	. number=PC008 serial	number=PC009	serial numbe	er=PC010	
		ckflow~Dell					low~Dell	stockflow~D		
ype=GreenSportBike 🕻 type	-ereeupbortmike 🕻 type	=GreenSportBike	type=GreenSportBike	type=GreenSportBike t	ype=GreenSportBike type=0	reensborrerke 🕻 tybe=0	reeupboitBlke	. Lype=GreenS	horrerke .	

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); Payment and delivery made (complete-commitment); Contract completed (complete-contract)

				From: se	ler; To: buyer; Document: Ir	ivoice;			
Buyer	® Dai	<u>L</u>	<u>Delivery</u>	GreenSportBike	® Party	<u>,100</u> ®	Party200 ®	Party300 ®	Payment ®
Economic Agent Typ	e Economic Res		Economic Event Type	Economic Resource Ty	pe Economi	c Agent	Economic Agent	Economic Agent	Economic Event Type
■ agent-type-identification	ed 🗷 resource-type	e-identified	vent-type-identified	resource-type-identif	ied participating	X	participating	participating	■ event-type-identified
role=buyer	exchange USD=1.0 proper name=Dai		delivery-type=wholesale	price currency=Dai	balance~12000 currency=Dai		ance=85000 rency=Dai	balance~3000 currency=Dai	
	resource-type=cr	ryptocurrency		suggested price=1200 suggested VAT/MOMS=300	name=Bill's Bike		rency=Dai e=Jonas's Bike Shop	currency=Dai name=Danish Tax Agency	
					type=Seller wallet=0x4cFa2		e=Buyer let=0xdF86f112	type=TaxAuthority wallet==0xdA9f23F4	
					wallet=Ux4Cra2	eDE wal	let=UXGF86IIIZ	wallet==UxdA9123F4	
PC011 ®	PC100 ®	PC101	. PC102	® <u>PC103</u> ®	PC104 ®	RedSportBi	.ke ® Se	eller ® TaxA	uthority ®
Economic Resource	Economic Resource	Economic Res	source Economic Resou	rce Economic Resource	Economic Resource	Economic Resource		c Agent Type Econom	ic Agent Type
available		available			available	resource-type-id	entified 🗵 agent-ty	ype-identified 🗵 agent-	type-identified
□ reserved	□ reserved	□ reserved	□ reserved	□ reserved	□ reserved	price currency=Dai	role=selle		Authority
□ exchanged	□ exchanged	□ exchanged	□ exchanged	□ exchanged	□ exchanged	suggested price=800 suggested VAT/MOMS=		Y	
owner=Party100 serial number=PC011	owner=Party100 serial number=PC100	owner=Party100 serial number=		owner=Party100 102 serial number=PC103	owner=Party100 serial number=PC104	33			
type=GreenSportBike	type=RedSportBike	type=RedSport			type=RedSportBike				
				• • • • • • • • • • • • • • • • • • • •		! · • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·		
© <u>Process1</u>	© Proce	-	© <u>Contract1</u>	© <u>Del1</u>	© <u>Pay1</u>	© <u>Pl</u>	anDel1 [©]	PlanPay1	© <u>Dai1</u>
Business Process De	tail Business Proce	ess Overview	Economic Contract	Economic Event	Economic E	vent Economi	c Commitment	Economic Commitment	Economic Resource
🗵 catalogue-requeste	. 1		✓ offered	underway	🗵 underway	🗷 propos		proposed	available
catalogue-received			accepted accepted	event-complete				specified	🗵 reserved
🗷 quotation-requeste			✓ contract-complete	actual date=2020-06-10 actual quantity=10	allocation=Dail contract=Contrac	-1 .		commitment-complete	exchanged exchang
			actual delivery~Dell actual payment~Payl	event type=Delivery	event type=Payme	nt planned da		ntract=Contract1 anned allocation=Dail	amount=15000 from=Party200
☑ order-received		ızatıon	buyer party=Party200	item=GreenSportBike planned delivery=PlanI	payment date=202 Dell planned payment=	0-06-10 planned qu	antity=10 pla	anned date=2020-06-10	to1-amount~12000
□ counter-order-recei	ived		contract date=2020-06-01 cost=12000	receiver party=Party20	00 receiver amount=	10000 : TECETAET F		anned receiver amount=120 anned VAT/MOMS=3000	00 tol-party~Party100 to2-amount~3000
order-acceptedpaid			currency=Dai	sender party=Party100	VAT/MOMS=3000				to2-party~Party300
☑ despatched			planned delivery=PlanDel planned payment=PlanPay1						type=Dai
☑ goods-received			sale type=wholesale						
□ abandoned			seller party=Party100 VAT/MOMS=3000						
✓ completed			wallet balance~0						
i	 !	i.	wallet currency=Dai	:					
© PC001	© PC002	© PC003	© PC004	© PC005	© PC006	© PC007	© PC008	© PC009	© PC010
Economic Resource	Economic Resource	Economic Res	source Economic Resou	rce Economic Resource	Economic Resource	Economic Resource	Economic Resour	ce Economic Resource	Economic Resource
🗷 available	x available	🗷 available	■ available	■ available		🗵 available	x available	■ available	available available
	▼ reserved		▼ reserved			🗷 reserved	▼ reserved	▼ reserved	▼ reserved
exchanged	exchanged	exchanged	exchanged	exchanged	exchanged		exchanged	exchanged	
actual price=1200	actual price=1200	actual price=			actual price=1200	actual price=1200	actual price=1200		actual price=1200
actual VAT/MOMS=300 : owner=Party200 :	actual VAT/MOMS=300 ; owner=Party200	actual VAT/MON owner=Party200		300 : actual VAT/MOMS=300 : owner=Party200	actual VAT/MOMS=300 owner=Party200	actual VAT/MOMS=300 owner=Party200	<pre>actual VAT/MOMS=30 owner=Party200</pre>	00 actual VAT/MOMS=300 owner=Party200	actual VAT/MOMS=300 : owner=Party200 :
serial number=PC001	serial number=PC002	serial number	=PC003 serial number=PC	004 serial number=PC005	serial number=PC006	serial number=PC00	serial number=PC0	08 serial number=PC009	serial number=PC010
stockflow=Dell type=GreenSportBike	stockflow=Dell type=GreenSportBike	stockflow=Del: type=GreenSpo		stockflow=Del1 ike type=GreenSportBike	stockflow=Del1 type=GreenSportBike	stockflow=Dell type=GreenSportBike	<pre>stockflow=Del1 type=GreenSportBil</pre>	stockflow=Dell ke type=GreenSportBike	stockflow=Dell type=GreenSportBike
					4				

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 □ order-received □ counter-order-received □ order-accepted	Process2 Business Process Overviev □ planning □ identification □ negotiation □ actualization □ post-actualization	✓ offered □ accepted □ contract-complete buyer party~Party200	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	Economic Resort Economic Resort resource-type-iexchange USD=1.0 proper name=Dairesource-type=crype	rce Type Economi dentified	c Resource ble ed delivery	elivery mic Event Type -type-identified -type=wholesale
☐ paid ☐ despatched ☐ goods-received ☐ abandoned ☐ completed ☐ GreenSportBike	Party100	® Party200	<pre>® Party300 ®</pre>	<u>Payment</u> ®	PC011	® <u>PC100</u>	® <u>PC101</u>	® <u>PC102</u> ®
Economic Resource Type resource-type-identified price currency=Dai suggested price=1200 suggested VAT/MOMS=300	Economic Agent participating	Economic Agen participating	<pre></pre>	Economic Event Type event-type-identified	Economic Resourc available reserved exchanged owner=Party100 serial number=PCOI type=GreenSportBit	<pre></pre>		
□ reserved □ exchanged owner=Party100 serial number=PC103	nomic Resource vailable eserved price curre suggested is	Resource Type -type-identified -trope-Dai Econom Resource Type I agent- role=sell	ic Agent Type Economic Agent-type-identified	Agent Type e-identified thority Business P Catalogue Quotation Quotat	e-requested	Process1 iness Process Overvier blanning dentification negotiation netualization post-actualization	Contract Economic Cor Confered Confered Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-comples Contract-Contract-comples Contract-Contract-comples Contract-Contract-Contract-comples Contract-C	ete ell yl
© 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	Economic Event Lunderway Levent-complete allocation=Dail contract=Contract1 event type=Payment payment date=2020-06-10 planned payment=PlanPay1 receiver amount=12000 VAT/MOMS=3000	© PlanDell 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 Ø proposed Secontract=Contract1 Planned allocation=Dail Planned date=2020-06-10 Planned receiver amount=1200 Planned VAT/MOMS=3000	☑ available ☑ reserved ☑ exchanged ☑ amount=15000 afrom=Party200 tol-amount=12000 stol-amount=3000 tol-amount=300 stol-amount=300 stol-amount=300 stol-amount=	PC001 Economic Resource available reserved exchanged ctual price=1200 ctual VAT/MOMS=300 wwner=Party200 werial number=PC001 stockflow=Del1 rype=GreensportBike	© PC002 Economic Resource available reserved characteristics	wallet currency=D Description	DECONOMIC RESOURCE Available Exerced Executary actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC004 stockflow=Del1 type=GreenSportBike

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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				
actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC005 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC006 stockflow=Dell type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC007 stockflow=Dell type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC008 stockflow=Dell type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC009 stockflow=Dell type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC010 stockflow=Dell type=GreenSportBike

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;

Business Process Detail catalogue-requested catalogue-received planning dentification counter-received post-actualization	identified available reserved	Resource Economic E	Event Type e-identified
□ catalogue-requested □ planning □ decepted □ catalogue-received □ quotation-requested □ quotation-requested □ quotation-received □ actualization □ counter-order-received □ order-received □ post-actualization □ post-actualization □ post-actualization □ counter-order-received □ paid □ despatched □ goods-received □ abandoned □ completed □ completed □ paid □ completed	identified	d event-type delivery-type ged	e-identified
□ catalogue-received □ depositation □ contract-complete □ contract-complete □ contract-complete □ contract-complete □ contract-complete □ contract-complete □ contract-complete □ contract-complete □ contract-complete □ contract-complete □ contract date=2020-07-01 cost-4000 □ post-actualization □ post-actualization □ cost-4000 □ planned date=2020-07-15 □ planned date=2020-07-15 □ planned quantity-5 receiver party=Party200 sender party=Party200 sender party=Party100 □ completed □ complete □ contract date=2020-07-01 □ cost-4000 □ planned date=2020-07-15 □ planned quantity-5 receiver party=Party200 sender party=Party100 □ complete □ contract date=2020-07-01 □ cost-4000 □ planned date=2020-07-01 □ planned quantity-5 receiver party=Party200 sender party=Party100 □ complete □ contract date=2020-07-01 □ planned date=2020-07-01 □ cost-4000 □ cost-actualization □ post-actualization □ post-actualization □ post-actualization □ cost-4000 □ cost-actualization □ cost-actualiz	ptocurrency reserve exchange amount=100 from=Party type=Dai	delivery-type	
## quotation-requested quotation contract-complete commitment-complete commitment-complete quotation-received quotation-received quotation-received quotation-received quotation quo	ptocurrency amount=100 from=Party type=Dai	ged	e=wholesale
duotation-requested quotation-received □ actualization □ post-actualization □ post-actualization □ counter-order-received □ order-accepted □ paid □ despatched □ goods-received □ abandoned □ completed □ completed □ paid	amount=100 from=Party type=Dai	100	
□ order-received □ post-actualization □ contract date=2020-07-01s contract date=2020-07-01s planned date=2020-07-01s pla	from=Party type=Dai		
counter-received	type=Dai		
□ order-accepted □ paid □ despatched □ goods-received □ abandoned □ completed □ Economic Resource Type □ Feconomic Resour	® PC100 ®		
□ paid	® PC100 ®		
despatched goods-received abandoned completed GreenSportBike © Economic Resource Type Economic Agent Economic Agent Economic Agent Economic Agent Economic Agent Economic Agent Economic Economic Agent Economic Economic Resource Type balance=12000 currency=Dai curre	® PC100 ®		
□ goods-received □ abandoned □ completed □ GreenSportBike ® Economic Resource Type □ Feconomic Resource-type-identified □ participating □ pa	® PC100 ®		
GreenSportBike © Economic Resource Type Economic Agent Economic Agent Economic Agent Economic Agent Economic Agent Economic Agent Economic Agent Economic Agent Economic Event Type Event-type-identified Event-Event Event Event Type Economic Event Type Economic Event Type Event-Event Event Eve	® pc100 ®		
GreenSportBike © Economic Resource Type Economic Agent © participating Economic Agent © participating Economic Resource-type-identified Economic Participating Economic Resource-type-identified Economi	® PC100 ®		
Economic Resource Type Economic Resource Type Economic Agent Economic Agent Economic Agent Economic Agent Economic Event Type	® PC100 ®		
Economic Resource Type Economic Agent Economic Event Type Available Availabl		D0101 ®	D0100
		PC101 ® Economic Resource	PC102 Economic Resou
price currency=Dai balance=12000 balance=85000 balance=3000 currency=Dai currency=Dai currency=Dai currency=Dai	available	. ———— .	available
suggested price=1200 currency=Dai currency=Dai currency=Dai	□ reserved		□ reserved
	□ exchanged		□ exchanged
type=Seller type=Buyer type=TaxAuthority owner=Party100	owner=Party100		owner=Party100
wallet=0x4cFa2eDE wallet=0xdF86f112 wallet==0xdA9f23F4 serial number=PC0 type=GreenSportBi		serial number=PC101 : type=RedSportBike	serial number=PC type=RedSportBik
Image: Second of the control of th	siness Process Overview planning identification negotiation actualization post-actualization	Economic Contract offered contract-complete actual delivery=Dell actual payment=Payl buyer party=Party200 contract date=2020-06- cost=12000 currency=Dai planned delivery=Plant planned payment=Plant sale type=wholesale seller party=Party100 VAT/MOMS=3000 wallet balance=0 wallet currency=Dai	-01 Del1
© Del1 © Pay1 © PlanDel1 © PlanPay1 © Dai1 © PC001	© PC002	 □ PC003 : □	PC004
Economic Event Economic Event Economic Commitment Economic Commitment Economic Resource Economic Resource	Economic Resource I	Economic Resource Eco	onomic Resourc
□ underway □ underway □ proposed □ proposed □ available □ available □ available	7		available
Z event-complete	:		reserved
actual date=2020-06-10 allocation=Dail contract=Contract1 contract=Contract1 contract=Contract1 item=GreenSportBike contract=Contract1 contract=Contract1 contract=Contract1 actual quantity=10 contract=Contract1 contract=Contract1 actual price=1200	·		exchanged ual price=1200
event type=Delivery event type=Payment planned date=2020-06-15 planned allocation=Dail from=Party200 actual VAT/MOMS=300	actual VAT/MOMS=300 : a	actual VAT/MOMS=300 : act	ual VAT/MOMS=30
tem=GreenSportBike payment date=2020-06-10 planned quantity=10 planned date=2020-06-10 tol-amount=12000 owner=Party200 planned delivery=PlanDel1 planned payment=PlanPay1 receiver party=Party200 planned receiver amount=12000 tol-party=Party100 serial number=PC001			er=Party200 mial number=PC00
eceiver party=Party200 receiver amount=12000 sender party=Party100 planned VAT/MOMS=3000 to2-amount=3000 stockflow=Dell	stockflow=Del1 s	stockflow=Dell :sto	ckflow=Del1
to2-party=Party300 type=GreenSportBike	type=GreenSportBike : t	type=GreenSportBike typ	e=GreenSportBik

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Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource
🗵 available	🗷 available	🗷 available	🗵 available	🗷 available	🗷 available
: 🗷 reserved					▼ reserved □
exchanged		▼ exchanged			
actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC005 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC006 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC007 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC008 stockflow=Dell type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC009 stockflow=Dell type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC010 stockflow=Dell type=GreenSportBike

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	Process2	Contract2	<u>PlanDel2</u>	PlanPay2	Buy	er ®	<u>Dai</u>	Dai2 ®
Business Process Detail	Business Process Overview	Economic Contract	Economic Commitment	Economic Commitm	ent Economic A	gent Type Eco	onomic Resource Type	Economic Resource
□ catalogue-requested	□ planning	☑ offered	□ proposed	✓ proposed		e-identified 🗷 re	source-type-identified	available availab
☐ catalogue-received	☑ identification	accepted accepted	□ specified	□ specified	role=buyer		nge USD=1.0	□ reserved
	☑ negotiation	☐ contract-complete	☐ commitment-complete	□ commitment-comple	te		r name=Dai rce-type=cryptocurrency	□ exchanged
■ quotation-received	□ actualization	buyer party=Party200	item=RedSportBike	contract~Contract2		10000	ree type erypeocurrency	amount~5000
✓ order-received	□ post-actualization	contract date=2020-07-01 cost=4000	planned date=2020-07-15 planned quantity=5	planned allocation~Dai2 planned date~2020-07-10				from=Party200 type=Dai
☐ counter-order-received		planned delivery=PlanDel2	receiver party=Party200	planned receiver amount				LULULLUL
☐ order-accepted		planned payment~PlanPay2 sale type=wholesale	sender party=Party100	planned VAT/MOMS~1000	;			
□ paid	1	seller party=Party100	į					
☐ despatched	-	VAT/MOMS=1000						
☐ goods-received								
☐ abandoned								
□ completed								
					. 1	- 1		.1
<u>Delivery</u> ®	GreenSportBike ®	Party100	® Party200 ®	FALCYSOU	<u>Payment</u>	® PCC		
Economic Event Type	Economic Resource Type	Economic Agent	Economic Agent	Economic Agent	Economic Event	71		
		□ participating		▼ participating	event-type-ider			available
delivery-type=wholesale	price currency=Dai suggested price=1200	balance=12000 currency=Dai	balance=85000 currency=Dai	balance=3000 currency=Dai		□ reserve		□ reserved
	suggested VAT/MOMS=300	name=Bill's Bikes Manufactu	ring name=Jonas's Bike Shop	name=Danish Tax Agenc	7	□ exchan		
•		type=Seller wallet=0x4cFa2eDE	type=Buyer wallet=0xdF86f112	type=TaxAuthority wallet==0xdA9f23F4		owner=Part serial num		
	L	wallet-0x4CFaZeDE	wallet-oxdrooliiz	walletOxua912314	_	type=Green		
	- T		- 1					
PC102 ®	PC103 ® PC10			® <u>TaxAutho</u>		cocess1	© <u>Process1</u>	© Contract1
	nomic Resource Economic F						Business Process Overvi	
	vailable available						▼ planning	
	eserved	ouggoeted price-01		role=Tax Author			☑ identification	accepted accepted
	xchanged	suggested VAT/MOMS				1 "	☑ negotiation	
	r=Party100 owner=Party al number=PC103 serial numb		<u> </u>		, L		▼ actualization	actual delivery=Del1 actual payment=Pay1
	=RedSportBike type=RedSpo				🗵 order-r		▼ post-actualization	buyer party=Party200
•	,					r-order-received		contract date=2020-06-01 cost=12000
					☑ order-a	accepted		currency=Dai
					🗵 paid	-11		<pre>planned delivery=PlanDel1 planned payment=PlanPay1</pre>
					☑ despate			sale type=wholesale
					⊠ goods- □ abando			seller party=Party100 VAT/MOMS=3000
					□ abando			wallet balance=0
					E Compre	eicu :		wallet currency=Dai
: 0 P-11	3.0 D1 3.6	DID-11 50	DI1	30 p-44 3	© PG001	pg000		\$ 0 DG004
© <u>Del1</u> Economic Event	© <u>Pay1</u> Economic Event	PlanDel1	PlanPay1 Economic Commitment	© <u>Dai1</u>	© PC001	© <u>PC002</u> Economic Resour	© PC003	© PC004
	3	Economic Commitment		- 3	Economic Resource		_:	Economic Resource
underway		1 1	proposed		☑ available	☑ available	■ available	■ available
event-complete	5		specified		▼ reserved	☑ reserved	☑ reserved	☑ reserved
:actual date=2020-06-10	contract-Contract1	© commitment-complete	commitment-complete				<u>⊠</u> exchanged	
event type=Delivery	event type=Payment	item=GreenSportBike colanned date=2020-06-15 cr	contract=Contract1 clanned allocation=Dail	amount=15000 from=Party200	actual price=1200 actual VAT/MOMS=300	actual price=1200 actual VAT/MOMS=3		actual price=1200 actual VAT/MOMS=300
item=GreenSportBike planned delivery=PlanDel1	payment date=2020-06-10	planned quantity=10	lanned date=2020-06-10	tol-amount=12000	owner=Party200	owner=Party200	owner=Party200	owner=Party200
receiver party=Party200	receiver amount=12000		planned receiver amount=12000 planned VAT/MOMS=3000	to1-party=Party100 to2-amount=3000	serial number=PC001 stockflow=Del1	serial number=PC0 stockflow=Del1	02 serial number=PC003 stockflow=Del1	serial number=PC004: stockflow=Del1
sender party=Party100				to2-party=Party300	type=GreenSportBike	type=GreenSportBi	- N	type=GreenSportBike
				type=Dai				

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Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource
🗷 available	🗵 available	🗷 available	🗷 available	🗷 available	🗷 available
ː 🗷 reserved				🗵 reserved	▼ reserved □
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=Del1	stockflow=Del1	stockflow=Dell	stockflow=Dell	stockflow=Dell	stockflow=Del1
type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike

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; Dai2 Process2 Process2 Contract2 PlanDel2 PlanPay2 Buyer Dai **Business Process Overview** Economic Resource Business Process Detail **Economic Contract Economic Commitment Economic Commitment** Economic Agent Type Economic Resource Type □ catalogue-requested offered agent-type-identified available □ planning proposed proposed resource-type-identified specified ☐ catalogue-received identification accepted role=buyer exchange USD=1.0 □ reserved proper name=Dai quotation-requested □ contract-complete negotiation □ commitment-complete □ commitment-complete □ exchanged resource-type=cryptocurrency guotation-received actualization buyer party=Party200 item=RedSportBike contract=Contract2 contract date=2020-07-01 planned date=2020-07-15 planned allocation=Dai2 from=Party200 □ post-actualization cost=4000 planned date=2020-07-10 type=Dai planned quantity=5 □ counter-order-received planned delivery=PlanDel2 receiver party=Party200 nlanned receiver amount=4000 planned payment=PlanPay2 sender party=Party100 planned VAT/MOMS=1000 ✓ order-accepted sale type=wholesale □ paid seller party=Party100 VAT/MOMS=1000 I □ despatched ☐ goods-received □ abandoned ☐ completed PC011 Delivery GreenSportBike Party100 Party200 Party300 PC100 PC101 Payment Economic Event Type Economic Resource Type Economic Agent Economic Agent Economic Agent Economic Event Type Economic Resource Economic Resource Economic Resource resource-type-identified participating participating participating event-type-identified available available available delivery-type=wholesale price currency=Dai balance=12000 balance=85000 balance=3000 □ reserved currency=Dai suggested price=1200 currency=Dai currency=Dai exchanged □ exchanged □ exchanged suggested VAT/MOMS=300 name=Bill's Bikes Manufacturing name=Jonas's Bike Shop name=Danish Tax Agency type=Seller type=Buyer type=TaxAuthority owner=Party100 serial number=PC011 actual VAT/MOMS~1000 wallet=0x4cFa..2eDE wallet=0xdF86 f112 wallet==0xdA9f 23F4 actual VAT/MOMS~1000 tvpe=GreenSportBike owner=Party100 owner=Party100 serial number=PC100 serial number=PC101 type=RedSportBike type=RedSportBike PC102 PC103 PC104 RedSportBike Seller TaxAuthority Process1 Process1 Contract1 Economic Resource Type : Business Process Overview Economic Resource Economic Resource Economic Resource Economic Agent Type Economic Agent Type Business Process Detail **Economic Contract** available available available □ agent-type-identified agent-type-identified planning role=seller ole=Tax Authority ✓ reserved price currency=Dai ▼ identification accepted suggested price=800 □ exchanged □ exchanged □ exchanged **X** quotation-requested negotiation suggested VAT/MOMS=200 actualization actual price~40 □ quotation-received | actual VAT/MOMS~1000 | actual VAT/MOMS~1 ■ actual VAT/MOMS~100 actual payment=Pav1 □ post-actualization ▼ order-received owner=Party100 owner=Party100 owner=Partv100 serial number=PC102 serial number=PC103 serial number=PC104 counter-order-received contract date=2020-06-01 type=RedSportBike type=RedSportBike type=RedSportBike I order-accepted x paid planned delivery=PlanDel1 ✓ despatched planned payment=PlanPay1 sale type=wholesale ▼ goods-received seller partv=Partv100 □ abandoned VAT/MOMS=3000 completed wallet currency=Dai PC003 PC001 PC002 PC004 Del1 Pay1 PlanDel1 PlanPay1 Dai1 Economic Event Economic Event **Economic Commitment Economic Commitment** Economic Resource : Economic Resource : Economic Resource Economic Resource Economic Resource underway underway available available available x available available proposed proposed 🗵 event-complete ✓ levent-complete x specified x specified reserved reserved reserved reserved reserved actual date=2020-06-10 allocation=Dail ▼ lexchanged ▼ lexchanged exchanged ▼ lexchanged exchanged event type=Delivery planned allocation=Dail actual VAT/MOMS=300 actual VAT/MOMS=300 actual VAT/MOMS=30 actual VAT/MOMS=300 item=GreenSportBike planned quantity=10 planned date=2020-06-10 to1-amount=12000 owner=Partv200 owner=Party200 owner=Party200 owner=Party200 planned delivery=PlanDell planned receiver amount serial number=PC001 serial number=PC00 serial number=PC serial number=PC004 receiver amount=12000 sender partv=Partv100 nlanned VAT/MOMS=3000 VAT/MOMS=3000 type=GreenSportBike ype=GreenSportBike

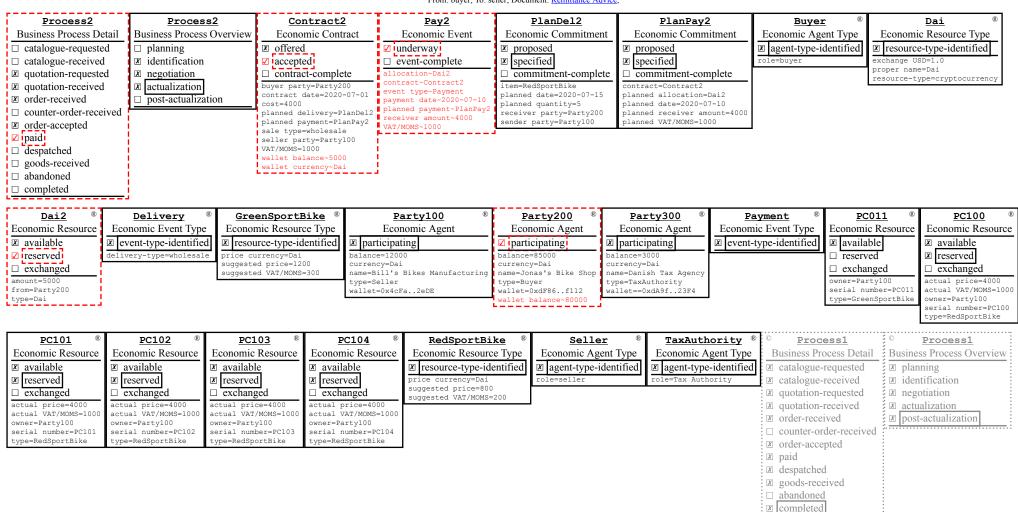
type=Dai

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Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource
🗷 available	🗷 available	🗷 available	🗵 available	🗷 available	🗷 available
: 🗷 reserved					▼ reserved □
exchanged		▼ exchanged			
actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC005 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC006 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC007 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC008 stockflow=Dell type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC009 stockflow=Dell type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC010 stockflow=Dell type=GreenSportBike

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;



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Economic Contract	Economic Event	Economic Event	Economic Commitment	Economic Commitment	Economic Resource	Economic Resource	Economic Resource	Economic Resource
☑ offered	🗷 underway	underway underway	🗵 proposed	🗵 proposed	🗷 available	🗷 available	🗷 available	🗷 available
accepted accepted		🗷 event-complete	specified specified		▼ reserved	🗷 reserved		🗷 <u>reserved</u>
	actual date=2020-06-10	allocation=Dail	commitment-complete	: 🗵 commitment-complete	exchanged			
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		payment date=2020-06-10 planned payment=PlanPay1 receiver amount=12000	item=GreenSportBike planned date=2020-06-15 planned quantity=10 receiver party=Party200 sender party=Party100	planned allocation=Dail planned date=2020-06-10 planned receiver amount=12000 planned VAT/MOMS=3000	from=Party200 tol-amount=12000 tol-party=Party100 to2-amount=3000	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC001 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC002 stockflow=Del1 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 owner=Party200 serial number=PC003 stockflow=Del1 type=GreenSportBike

© <u>PC004</u>	© <u>PC005</u>	© <u>PC006</u>	© <u>PC007</u>	© <u>PC008</u>	© <u>PC009</u>	© <u>PC010</u>
Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource
🗷 available	🗵 available	🗷 available	▼ available	🗵 available	🗷 available	🗷 available
reserved		🗷 <u>reserved</u>	x reserved			🗷 <u>reserved</u>
exchanged				exchanged		
actual price=1200	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	actual VAT/MOMS=300
owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200
serial number=PC004	serial number=PC005	serial number=PC006	serial number=PC007	serial number=PC008	serial number=PC009	serial number=PC010:
:stockflow=Del1	stockflow=Del1	stockflow=Dell	stockflow=Dell	stockflow=Del1	stockflow=Del1	stockflow=Dell
type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike