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

Legend and available state machines

©=completed reusable=®

Instance Identifier

State Machine Identifier

visited state
current state
unvisited state
unvisited state
old property=old value

Business Process Detail	Business Process Overview	Economic Commitment	Economic Contract	Economic Event
□ 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-simple-reject=abandoned +abandon-abandoned □ counter-order-received +order=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 □ despatched +receipt-advice=goods-received +abandon=abandoned □ goods-received +abandon=abandoned □ despatched +receipt-advice=goods-received +abandon=abandoned □ abandoned □ abandoned	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 post-actualization	□ proposed +accept-commitment=specified +modify-commitment=proposed □ specified +modify-commitment=specified +complete-commitment=commitment-complete □ commitment-complete	☐ offered +accept-contract=accepted ☐ accepted +modify-contract=accepted +complete-contract=contract-complet	□ underway +modify-event=underway +complete-event=event-complete □ event-complete
(8)		® 	®	
Economic Agent	Economic Agent Type E	conomic Event Type Ec	onomic Resource	Economic Resource Type
		ent-type=event-type-identified +reserve=r +modify-av	eserved +modify-re	type-identified source-type=resource-type-identified
	□ catalogue-requested +catalogue-actalogue-received +abandon=abandoned □ catalogue-received +request-quotation=quotation-requested +abandon=abandoned □ quotation-requested +quotation=quotation-received +abandon=abandoned □ order-received +response-simple-accept=order-accepted +response-simple-accept=order-accepted +response-simple-reject=abandoned □ counter-order-received +abandon=abandoned □ order-accepted +response-simple-accept=order-accepted +response-simple-accept=order-accepted +response-simple-accept=order-accepted +response-simple-reject=abandoned +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 ■ Economic Agent □ participating □ agent-ty	□ catalogue-requested +catalogue-received +catalogue-catalogue-received +abandon=abandoned □ catalogue-received +abandon=abandoned +request-quotation=quotation-requested +abandon=abandoned +quotation=quotation-received +abandon=abandoned +abandon=abandoned +abandon=abandoned +response-counter-received +response-simple-reject=abandoned +response-simple-received +abandon=abandoned +response-simple-received +abandon=post-actualization +response-simple-received +abandon=post-actualization +response-simple-received +abandon=post-actualization +response-simple-reject=abandoned post-actualization +remittance-advice=poid +abandon=abandoned +despatch-advice=despatched +abandon=abandoned +despatch-advice=goods-received +abandon=abandoned +receipt-advice=goods-received +abandon=abandoned +receipt-advice=goods-received +abandon=abandoned +abandon=abandoned Books-received +abandon=abandoned +abandon=abandoned	catalogue-requested +catalogue-received +cabandon-abandoned catalogue-received +cabandon-abandoned catalogue-received +cabandon-abandoned catalogue-received +cabandon-abandoned quotation-requested +cabandon-abandoned quotation-requested +cabandon-abandoned quotation-received +cabandon-abandoned quotation-received +cabandon-abandoned catalogue-received +cabandon-abandoned quotation-received +cabandon-abandoned catalogue-received +cabandon-abandoned quotation-received +cabandon-abandoned catalogue-received +cabandon-abandoned catalization +response-simple-reject-post-actualization +response-simple-reject-post-actualization +catalization +catali	catalogue-requested

+modify-available-resource=reserved +deliver=exchanged

+exchange=exchanged

□ exchanged

OeDBTR: Pre-payment procurement process; Scenario: The wholesale purchases of green and red bicycles Business Event #1: Establish the use of Dai as a resource type

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

			<u>Dai</u> ®				®	®	(8)
	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								
	□ available								
	□ reserved								
	□ exchanged								
L	-								

OeDBTR: Pre-payment procurement process; Scenario: The wholesale purchases of green and red bicycles 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> ®		
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 Even	t Type Economic Resou	irce				
□ underway □ pa	rticipating uevent-type-ide	entified available					
□ event-complete		□ reserved					
		□ exchanged					

Business Event #3: Establish all economic agents Stimulus: Establish all of the agents (identify-agent)

		<u>Buyer</u>	® <u>D</u>	<u>ai</u> ®		Party100 ®	<u>Party200</u> ®	<u>Party300</u> ®	<u>Seller</u> ®
Business Process Detail	Business Process Overview	V Economic Agent 7	Type Economic F	Resource Type	Е	conomic Agent	Economic Agent	Economic Agent	Economic Agent Type
□ catalogue-requested	□ planning	agent-type-ident agent-type-ident	ified 🗷 resource-ty	ype-identified	partici	pating	participating	participating	■ agent-type-identified
□ catalogue-received	□ identification	role=buyer	exchange USD=	1.0	currency~	Dai	currency~Dai	currency~Dai	role=seller
☐ quotation-requested	□ negotiation		proper name=D	ai =cryptocurrency	name~Bill type~Sell		■ name~Jonas's Bike Shop ■ type~Buyer	<pre>name~Danish Tax Agency type~TaxAuthority</pre>	
□ quotation-received	□ actualization		resource type	-cryptocarrency	wallet~0x	4cFa2eDE	■ wallet~0xdF86f112	■ wallet~0xdA9f23F4	
□ order-received	□ post-actualization				wallet ba	lance~0	wallet balance~100000	wallet balance~0	
□ counter-order-receive	d	_							
□ order-accepted									
□ paid									
□ despatched									
□ goods-received									
□ abandoned									
□ completed									
<u>TaxAuthority</u> ®					®	(8)			
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						

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 ®	<u>Party300</u>
Business Process Detail	Business Process Overview	Economic Agent Type	Economic Resource Typ	e Economic Resou	ігсе Туре	Economic Agent		Economic Agent	Economic Agent
□ catalogue-requested	□ planning	☑ agent-type-identified	▼ resource-type-identifie	d	identified 🗵 part	cipating	_ [▼ participating	□ participating
□ catalogue-received	□ identification	role=buyer	exchange USD=1.0	price currency~Da				currency=Dai	currency=Dai
☐ quotation-requested	□ negotiation		proper name=Dai resource type=cryptocurre	suggested price~1 ncy suggested VAT/MOM		ll's Bikes Manufactur		name=Jonas's Bike Shop type=Buyer	name=Danish Tax Agency type=TaxAuthority
□ quotation-received	□ actualization		resource type-eryptocurre	ncy Suggested VAITHOR	wallet=	0x4cFa2eDE	ν	wallet=0xdF86f112	wallet=0xdA9f23F4
□ order-received	□ post-actualization				wallet	balance=0	V	wallet balance=100000	wallet balance=0
□ counter-order-received		_							
□ order-accepted									
□ paid									
□ despatched									
□ goods-received									
□ abandoned									
□ completed									
									1
RedSportBike ®	<u>Seller</u> ®	<u>TaxAuthority</u> ®					®	®	
Economic Resource Type	Economic Agent Type	Economic Agent Type	Economic Commitment	Economic Contract	Economic Event	Economic Event	Type	Economic Resource	
	■ agent-type-identified	■ agent-type-identified	□ proposed	□ offered	□ underway	□ event-type-iden	tified	□ available	
price currency~Dai			□ specified	□ accepted	□ event-complete			□ reserved	
suggested price~800 suggested VAT/MOMS~200			□ commitment-complete	□ contract-complete		_		□ exchanged	
	. 4	,			-				

OeDBTR: Pre-payment procurement process; Scenario: The wholesale purchases of green and red bicycles Business Event #5: Establish inventory of all instances of green bikes Stimulus: Establish the inventory of green sport bikes (identify-available-resource)

Business Process Detai catalogue-requested catalogue-received quotation-requested quotation-received counter-order-received counter-order-received paid despatched goods-received abandoned completed	□ planning □ identification □ negotiation □ actualization □ post-actualization	Buyer Economic Agent Type agent-type-identified role=buyer	Economic Resource Type Tesource-type-identified exchange USD=1.0 proper name=Dai resource type=cryptocurrence	© GreenSportBike Economic Resource Typ ▼ resource-type-identific price currency=Dai suggested price=1200 suggested VAT/MOMS=300	-l 	Barty200 ® Economic Agent participating	Party300 & Economic Agent
✓ available ☐ reserved ☐ exchanged ☐ owner~Party100 serial number~PC001 serial	PC002 ® PC00 onomic Resource available reserved □ reserved exchanged exchanged irial number-PC002 pe-GreenSportBike PC002 © available reserved □ exchanged serial number type-GreenSportBike	esource Economic Resour available reserved exchanged owner-Party100 serial number-PCO3	✓ available □ reserved □ exchanged □ ower~Party100 04 serial number~Pc005 serial	conomic Resource Economic available	ved □ reserved unged □ exchanged rty100 owner-Party100 umber~PC007 serial number~PC008	✓ available	PC010 ® omic Resource vailable served cchanged ~Party100 l1 number-PC010 GreenSportBike
✓ available □ reserved □ available □ reserved □ available	resource-type-identified 🗵 ag	onomic Agent Type gent-type-identified Econ gent-type-identified	ent-type-identified property special	osed □ offer □ acce		Economic Event Type □ event-type-identified	

OeDBTR: Pre-payment procurement process; Scenario: The wholesale purchases of green and red bicycles Business Event #6: Establish inventory of all instances of red bikes Stimulus: Establish the inventory of red sport bikes (identify-available-resource)

		Buyer ®	Dai ®	© GreenSpor	+Biko ®	Domi	ty100 ®	Party200 ®	Party300
Business Process Detail	Business Process Overview	Economic Agent Type	Economic Resource Type	Economic Reso			nic Agent		
				- —				Economic Agent	Economic Ager
□ catalogue-requested	□ planning		resource-type-identified	☑ resource-type	e-identified	participating	<u> </u>	□ participating	□ participating
□ catalogue-received	□ identification		exchange USD=1.0 proper name=Dai	price currency=D suggested price=		currency=Dai	es Manufacturing	currency=Dai name=Jonas's Bike Shop	currency=Dai name=Danish Tax Aq
☐ quotation-requested	□ negotiation		resource type=cryptocurrency			type=Seller	ico manaraccarring	type=Buyer	type=TaxAuthority
☐ quotation-received	□ actualization	_		,		wallet=0x4cFa		wallet=0xdF86f112	wallet=0xdA9f23F
□ order-received	□ post-actualization				L	wallet balance=	=0	wallet balance=100000	wallet balance=0
□ counter-order-received		-							
□ order-accepted									
□ paid									
□ despatched									
□ goods-received									
□ abandoned									
□ completed									
_ compressed	_								
PC001 ®	PC002 ® PC00	3 ® PC004	® PC005 ®	PC006 ®	PC00	7 ®	PC008 ®	PC009 ®	PC010 ®
	nomic Resource Economic R				Economic Re				omic Resource
	vailable Z available				ℤ available	ℤ ava			ailable
· • • • • • • • • • • • • • • • • • • •	eserved	□ reserved		reserved	reserved				served
	exchanged				□ exchange				changed
	r=Party100 owner=Party1 al number=PC002 serial numbe				owner=Partyl				=Party100 al number=PC010
	=GreenSportBike type=GreenSp			pe=GreenSportBike	type=GreenSp				-GreenSportBike
									
PC011 ®	PC100 ® PC10	1 ® <u>PC102</u>	® <u>PC103</u> ®	PC104 ®	RedSpo	ortBike ®	Seller	TaxAutho	rity ®
Economic Resource Economic	nomic Resource Economic R	esource Economic Resourc	e Economic Resource Eco	onomic Resource	Economic R	Resource Type	Economic Agei	nt Type Economic Ag	ent Type
☑ available ☑ a	vailable 🗸 available	available available	☑ available ☑	available	▼ resource-t	type-identified			
	eserved □ reserved	□ reserved	□ reserved □		price curren		role=seller	role=Tax Autho	
1 b	exchanged \Box exchange			avahangad	suggested pr				
	er~Party100 owner~Party1			ner~Party100	suggested VA	T/MOMS=200			
serial number=PC011 seri	al number~PC100 ■ serial numbe	r~PC101 ■ serial number~PC10	2 ■ serial number~PC103 ■ ser	rial number~PC104					
type=GreenSportBike type	~RedSportBike type~RedSpor	tBike type~RedSportBike	type~RedSportBike typ	pe~RedSportBike					
	l l								
Economic Commitment			Event Type						
□ proposed	□ offered □ u	nderway 🔲 event-typ	pe-identified						
□ specified	□ accepted □ e	vent-complete							
□ commitment-complete	□ contract-complete	-							

OeDBTR: Pre-payment procurement process; Scenario: The wholesale purchases of green and red bicycles Business Event #7: Establish the delivery and payment types of event Stimulus: Define delivery and payment event types (identify-event-type)

Dai DeliveryType GreenSportBike ® Party100 Party200 Buyer Business Process Detail **Business Process Overview** Economic Agent Type Economic Event Type Economic Agent Economic Resource Type Economic Resource Type Economic Agent ■ agent-type-identified resource-type-identified □ catalogue-requested □ planning event-type-identified participating participating role=buyer □ catalogue-received □ identification price currency=Dai currency=Dai exchange USD=1.0 currency=Dai name=Bill's Bikes Manufacturing proper name=Dai suggested price=1200 name=Jonas's Bike Shop □ quotation-requested negotiation suggested VAT/MOMS=300 type=Buyer type=Seller resource type=cryptocurrency ☐ quotation-received □ actualization wallet=0x4cFa..2eDE wallet=0xdF86..f112 wallet balance=0 wallet balance=100000 □ order-received □ post-actualization □ counter-order-received □ order-accepted □ paid □ despatched □ goods-received □ abandoned □ completed Party300 PaymentType PC001 PC002 PC003 PC004 PC005 PC006 PC007 PC008 Economic Agent Economic Event Type Economic Resource available available available available **▼** available participating ievent-type-identified ▼ lavailable available currency=Dai □ reserved □ reserved □ reserved □ reserved reserved □ reserved □ reserved □ reserved name=Danish Tax Agency □ exchanged type=TaxAuthority owner=Party100 owner=Party100 owner=Party100 owner=Party100 owner=Party100 owner=Partv100 owner=Partv100 owner=Party10 wallet=0xdA9f..23F4 wallet balance=0 serial number=PC001 serial number=PC002 serial number=PC003 serial number=PC004 serial number=PC00 serial number=PC00 serial number=PC007 serial number=PC008 type=GreenSportBike type=GreenSportBike type=GreenSportBike type=GreenSportBike type=GreenSportBike type=GreenSportBike type=GreenSportBike type=GreenSportBike PC010 PC011 PC100 PC101 PC102 PC103 PC104 PC009 RedSportBike Seller Economic Resource Type Economic Agent Type available available available available available available available available resource-type-identified □ agent-type-identified □ reserved □ reserved role=seller □ reserved □ reserved □ reserved □ reserved □ reserved reserved price currency=Dai suggested price=800 □ exchanged suggested VAT/MOMS=200 owner=Party100 owner=Party100 owner=Party100 owner=Party100 owner=Party100 owner=Party100 owner=Partv100 owner=Party100 serial number=PC serial number=PC010 serial number=PC01 serial number=PC100 serial number=PC10 serial number=PC1 serial number=PC103 serial number=PC104 type=RedSportBike type=GreenSportBike type=GreenSportBike type=GreenSportBike type=RedSportBike type=RedSportBike type=RedSportBike type=RedSportBike TaxAuthority ® Economic Agent Type **Economic Commitment** Economic Event **Economic Contract** ☑ agent-type-identified □ offered □ underway proposed role=Tax Authority ☐ specified □ accepted □ event-complete commitment-complete □ contract-complete

Business Event #8: Buyer: What inventory do you have?

Stimulus: Request a catalogue (request-catalogue)
From: buyer; To: seller; Document: Catalogue Request;

Process1 Business Process Detail	Process1 Business Process Overview planning identification negotiation actualization post-actualization	Buyer ® Economic Agent Type agent-type-identified role=buyer	Bai ® Economic Resource Type ☑ resource-type-identified exchange USD=1.0 proper name=Dai resource type=cryptocurrency	DeliveryType Economic Event Type © event-type-identified	Economic Resource Type Economic Resource Type resource-type-identified	Party100 Economic Agent participating currency=Dai name=Bill's Bikes Manufacturing type=Seller wallet=0x4cFa2eDE wallet balance=0	Party200 Economic Agent Darticipating currency=Dai name=Jonas's Bike Shop type=Buyer wallet=0xdF86f112 wallet balance=100000
☑ participating ☑	event-type-identified sesource type=dai source repe=dai source repe=dai source serie	PC001 ® PC0 comic Resource vailable	Resource Economic Resource		Economic Resource available	red □ reserved □ reserved □ exchanged	PC008 ® Economic Resource ☑ available ☐ reserved ☐ exchanged owner=Party100 serial number=PC008 type=GreenSportBike
	pc010	esource Economic Resource	X available	onomic Resource available available areserved avexchanged er=Party100 aia1 number=PC102 Economic Resource are serial		resource-type-identified price currency=Dai suggested price=800 suggested VAT/MOMS=200	Seller ® Economic Agent Type ig agent-type-identified role=seller
Economic Agent Type agent-type-identified role=Tax Authority	□ proposed □ specified □	offered un	nomic Event derway ent-complete				

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 ☐ order-received ☐ counter-order-received ☐ paid ☐ despatched ☐ goods-received ☐ dabandoned ☐ completed	Process1 Business Process Overview planning	role=buyer	Economic Resource Type resource-type-identified exchange USD=1.0 proper name=Dai resource type=cryptocurrency	Economic Event Type Event-type-identified delivery-type=wholesal	Economic Resource Type Economic Resource Type resource-type-identified	Party100 Economic Agent participating currency=Dai name=Bill's Bikes Manufacturing type=Seller wallet=0x4cFa2eDE wallet balance=0	Party200 Economic Agent participating currency=Dai name=Jonas's Bike Shop type=Buyer wallet=0xdF86f112 wallet balance=100000
☑ participating ☑	event-type-identified	PC001 ® PC00 comic Resource //ailable Served cchanged :=Party100 :1 number=PC001 :GreenSportBike PC001 © availabl □ reserved □ exchange □ wner=Party serial numb type=GreenSt	Resource Economic Resource available reserved exchanged owner=Party100 serial number=Pc002		Economic Resource available	red □ reserved □ nged □ exchanged	PC008 ® Economic Resource ☑ available ☐ reserved ☐ exchanged owner=Party100 serial number=PC008 type=GreenSportBike
	pc010	esource Economic Resource	☑ available ☐ reserved ☐ exchanged ☐ owner=Party100 In owner=Party100 In owner=Party100 In owner=Party100 In owner=Party100	nomic Resource Econo vailable		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;

	r <u>-</u>			-				
Process1	Process1	Contract1	PlanDel1	<u>Buyer</u>		Dai ®	DeliveryType ®	GreenSportBike ®
Business Process Detail	Business Process Overview	Economic Contract	Economic Commitment	Economic Agent		Resource Type	Economic Event Type	Economic Resource Type
	▼ planning	☑ offered	proposed proposed	■ agent-type-identer			vent-type-identified	resource-type-identified
	identification	☐ accepted	□ specified	role=buyer	exchange USD proper name=		delivery-type=wholesale	price currency=Dai suggested price=1200
☑ quotation-requested	□ negotiation	☐ contract-complete	☐ commitment-complete	<u>;</u>		e=cryptocurrency		suggested VAT/MOMS=300
1	□ actualization	buyer party~Party200 contract date~2020-06-01	item~GreenSportBike planned date~2020-06-15					
	☐ post-actualization	planned delivery~PlanDell	■ planned quantity~10	į.				
☐ counter-order-received	i		receiver party~Party200 sender party~Party100					
☐ order-accepted	!	seller party~Party100	sender party~Party100	. i				
□ paid								
☐ despatched	 							
☐ goods-received								
☐ abandoned								
□ completed								
	•		ir i			1		,
Party100	® <u>Party200</u>	Party300 ®	PaymentType ®	PC001 ®	PC002 ®	PC003	® <u>PC004</u> ®	PC005 ®
Economic Agent	Economic Agent	Economic Agent			Economic Resource	Economic Resour		Economic Resource
participating	participating	□ participating	■ event-type-identified	available	available	available		available
currency=Dai	currency=Dai	currency=Dai	resource type=dai	□ reserved	reserved	□ reserved	□ reserved	□ reserved
name=Bill's Bikes Manufact type=Seller	uring name=Jonas's Bike Shop type=Buyer	name=Danish Tax Agency type=TaxAuthority		□ exchanged	□ exchanged	□ exchanged	□ exchanged	□ exchanged
wallet=0x4cFa2eDE	wallet=0xdF86f112	wallet=0xdA9f23F4			owner=Party100	owner=Party100	owner=Party100	owner=Party100
wallet balance=0	wallet balance=100000	wallet balance=0			serial number=PC002 type=GreenSportBike	serial number=PC0 type=GreenSportBi		serial number=PC005 type=GreenSportBike
			L	-11-	-1F	-77	-11	*7P* **********************************
PC006 ®	PC007 ® PC008	8 ® PC009	® PC010 ®	PC011 ®	PC100 ®	PC101	® PC102 ®	PC103 ®
Economic Resource Econ	omic Resource Economic R	esource Economic Resource	ce Economic Resource E	Economic Resource I	Economic Resource	Economic Resource	e Economic Resource	Economic Resource
🗷 available 🗵 av	vailable 🗷 available	▼ available	☑ available ☑	available 2	available		available availab	
	served reserved	□ reserved			reserved	□ reserved	□ reserved	□ reserved
	changed □ exchange	d □ exchanged			□ exchanged	□ exchanged	□ exchanged	□ exchanged
	r=Party100 owner=Party1				wner=Party100	owner=Party100	owner=Party100	owner=Party100
	al number=PC007 serial numbe				serial number=PC100	serial number=PC10		serial number=PC103
type=GreenSportBike type=	-GreenSportBike type=GreenSp	ortBike type=GreenSportBil	ke type=GreenSportBike t	ype=GreenSportBike t	ype=RedSportBike	type=RedSportBike	type=RedSportBike	type=RedSportBike
PC104 ®	RedSportBike ®	Seller ® Ta	xAuthority ®					
				omic Event				
		<u> </u>	<u> </u>					
· · · · · · · · · · · · · · · · · · ·			ent-type-identified und	-				
- reserved	ested price=800	serier tole=1	an nucliotity eve	nt-complete				
□ exchanged sugge	ested VAT/MOMS=200							
owner=Party100 serial number=PC104								
type=RedSportBike								

Business Event #11: Seller: Yes, I have the bikes that you want

Stimuli: Track business process descriptions (quotation); Accept a contract (accept-contract) From: seller; To: buyer; Document: Quotation;

Process1 Business Process Detail ☐ catalogue-requested ☐ catalogue-received ☐ quotation-requested ☐ quotation-received ☐ order-received ☐ counter-order-received	Process1 Business Process Overview planning didentification regotiation 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	PlanDell Economic Commitment proposed specified commitment-complete item=GreenSportBike planned date=2020-06-15 planned quantity=10 receiver party=Party200 sender party=Party100	agent-type-ident	Economic I Economic I resource-tified exchange USD-proper name=I	ype-identified Z	DeliveryType Economic Event Type event-type-identified livery-type=wholesale	GreenSportBike Economic Resource Type Fesource-type-identified price currency=Dai suggested price=1200 suggested VAT/MOMS=300
☐ order-accepted ☐ paid ☐ despatched ☐ goods-received ☐ abandoned ☐ completed		sale type=wholesale seller party=Party100 VAT/MOMS~3000						
Economic Agent participating	Barty200 Economic Agent	currency=Dai	event-type-identified resource type=dai		Economic Resource available reserved exchanged owner=Party100 serial number=PC002 type=GreenSportBike	Economic Resource available reserved exchanged owner=Party100 serial number=PC00 type=GreenSportBik		Economic Resource available reserved exchanged owner=Party100 serial number=PC005 type=GreenSportBike
	pc007	Economic Resource		d available IX IX IX IX IX IX IX I	PC100 ® Conomic Resource available reserved exchanged wner=Party100 erial number=PC100 ype=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	Economic Resource ☑ available □ reserved □ exchanged owner=Party100 serial number=PC103 type=RedSportBike
Economic Resource available	source-type-identified ag	nomic Agent Type gent-type-identified Economic Agent Type I age	ent-type-identified und	omic Event lerway nt-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. ouyer,	,			
Process1	Process1	Contract1	PlanDel1	<u>PlanPay1</u>	<u>Buyer</u>	® <u>Dai</u> ®	<u>Dail</u> ®
Business Process Detail	Business Process Overview	Economic Contract	Economic Commitment	Economic Commitment	Economic Agent Type	e Economic Resource Type	Economic Resource
! ☑ catalogue-requested		✓ offered	□ proposed	proposed proposed	■ agent-type-identifie	d 🗷 resource-type-identified	✓ 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=cryptocurrency	□ exchanged
quotation-received	□ actualization	buyer party=Party200	item=GreenSportBike	contract~Contract1	- i		amount~15000
✓ order-received	□ post-actualization	contract date=2020-06-01 cost=12000	planned date=2020-06-15 planned quantity=10	planned allocation~Dail planned date~2020-06-10			from~Party200 resource type~Dai
☐ counter-order-received		currency=Dai	receiver party=Party200	planned receiver amount~120	000		
□ order-accepted		planned delivery=PlanDell planned payment~PlanPayl	sender party=Party100	planned VAT/MOMS~3000			
□ paid	 	sale type=wholesale					
□ despatched		seller party=Party100 VAT/MOMS=3000					
☐ goods-received		VAT/MOMS=3000					
☐ abandoned	!						
□ completed							
L 	ı						
DeliveryType ®	<u> GreenSportBike</u> ®	Party100	® Party200	Party300 ®	PaymentType ®	PC001 ® PC002	<u>PC003</u>
Economic Event Type	Economic Resource Type	Economic Agent	Economic Agent	Economic Agent	Economic Event Type E	conomic Resource Economic Re	source Economic Resource
event-type-identified	resource-type-identified	▼ participating	□ participating	☑ participating ☑	event-type-identified	available 🗵 available	
delivery-type=wholesale	price currency=Dai	currency=Dai	currency=Dai	currency=Dai r		reserved reserved	□ reserved
		name=Bill's Bikes Manufactur: type=Seller	ing name=Jonas's Bike Sho type=Buyer	p name=Danish Tax Agency type=TaxAuthority		exchanged	l □ exchanged
Ľ	,	wallet=0x4cFa2eDE	wallet=0xdF86f112	wallet=0xdA9f23F4		ner=Party100 owner=Party10	
	L	wallet balance=0	wallet balance=100000	wallet balance=0		erial number=PC001 serial number rpe=GreenSportBike type=GreenSportBike	
						pe dreemoportablike type dreemope	tipe dicemporesing
PC004 ®	PC005 ® PC00	6 ® <u>PC007</u> ®	PC008 ®	PC009 ® PC	010 ® <u>PC011</u>	® <u>PC100</u> ®	PC101 ®
Economic Resource Econ	omic Resource Economic R	esource Economic Resource	Economic Resource Ec	conomic Resource Economic	c Resource Economic Reso	ource Economic Resource Econ	nomic Resource
🗷 available 🗵 av	vailable 🗷 available		🗷 available 🗷	available 🗷 availab	ble 🗵 available	🗷 available 🗵 a	vailable
	served reserved	□ reserved		reserved reserve			eserved
I I	changed □ exchange			exchanged □ exchar			xchanged
	r=Party100 owner=Party1		owner=Party100 ow	ner=Party100 owner=Par	ty100 owner=Party100	owner=Party100 owne	r=Party100
	al number=PC005 serial numbe				mber=PC010 serial number=		al number=PC101
type=GreenSportBike type=	-GreenSportBike type=GreenSp	ortBike type=GreenSportBike	type=GreenSportBike ty	pe=GreenSportBike type=Green	nSportBike type=GreenSpor	tBike type=RedSportBike type	=RedSportBike
PC102 ®	PC103 ® PC10	4 ® RedSportBi	ke ® Seller	® TaxAuthorit	-v ®		
	omic Resource Economic R		_		-		
	vailable Zavailable	resource-type-ide			71		
	served available reserved	price currency=Dai	role=seller	role=Tax Authority	□ event-complete		
				TOTE-TAX AUCHOFILY	□ event-complete		
I———I—	changed cwner=Party1	suggested VAI/MOMS-	200				
	al number=PC103 serial numbe	r=PC104					
type=RedSportBike type=	RedSportBike type=RedSpor	tBike					

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

				From: seller; 10: bu	yer; Document: Order Response	e Simple;				
Process1	Process1		Contract1	<u>PlanDel1</u>	PlanPay1		Buyer	® <u>Da</u>	<u>i</u> ®	Dail ®
Business Process Det	tail Business Process Ove	rview Eco	onomic Contract	Economic Commitmen	t Economic Commi		conomic Agent Typ		source Type	Economic Resource
	d 🖁 🗷 planning	✓ offe	ered	proposed	proposed	X	agent-type-identific	ed 🗵 resource-typ	e-identified	available
		acc acc	epted	specified	specified		e=buyer	exchange USD=1		□ reserved
■ quotation-requested	d 🗷 negotiation	□ con	tract-complete	□ commitment-complet	te 🛘 🗆 commitment-com	plete		proper name=Da: resource type=o		□ exchanged
quotation-received			party=Party200	item=GreenSportBike	contract=Contract1				11	amount=15000
order-received	□ post-actualization	contra cost=1	ct date=2020-06-01 2000	planned date=2020-06-15 planned quantity=10	planned allocation=D planned date=2020-06					from=Party200 resource type=Dai
□ counter-order-receiv	ved	curren		receiver party=Party200						
✓ order-accepted	į.		d delivery=PlanDell d payment=PlanPayl	sender party=Party100	planned VAT/MOMS=300	0				
□ paid	;	sale t	ype=wholesale							
☐ despatched			party=Party100 4S=3000							
☐ goods-received	į.									
□ abandoned										
□ completed										
			100							
DeliveryType	® GreenSportBike		Party100	® Party200	® Party300		mentType ®	PC001 ®		® <u>PC003</u> ®
Economic Event Type	- I	1	Economic Agent	Economic Agent			71			Economic Resource
■ event-type-identifie					□ participating		71		available	available
delivery-type=wholesal	le price currency=Dai suggested price=1200	currency name=Bil	=Daı l's Bikes Manufactur	currency=Dai ing name=Jonas's Bike S	currency=Dai hop name=Danish Tax Age	resource		reserved	☑ reserved	☑ reserved
	suggested VAT/MOMS=300	type=Sel	ler	type=Buyer	type=TaxAuthority	-		-	□ exchanged	□ exchanged
		wallet=0 wallet b	x4cFa2eDE alance=0	wallet=0xdF86f112 wallet balance=1000				ctual price~1200 ctual VAT/MOMS~300	actual price~1 actual VAT/MON	
					•				owner=Party100	owner=Party100 =PC002 serial number=PC003
										tBike type=GreenSportBike
							·			
PC004 ®		PC006	<u> </u>	PC008 ®	PC009 ®	PC010	® <u>PC011</u>	® <u>PC10</u>		PC101 ®
' '.		mic Resource	Economic Resource	. " ——— "		onomic Resour				omic Resource
available availab	🗷 available 🏻 🗷 ava	ilable	available	1		available	available	available	∠ av	ailable
	☑ reserved ☑ res					reserved	□ reserved	□ reserved	□ re	served
		hanged	□ exchanged		\square exchanged \square	exchanged	□ exchanged	☐ exchange		changed
	actual price~1200 actual actual VAT/MOMS~300 actual	price~1200	actual price~1200		actual price~1200 act					=Party100 1 number=PC101
owner=Party100	owner=Party100 owner=	Party100	owner=Party100	owner=Party100	owner=Party100 own	er=Party100	type=GreenSpor			RedSportBike
	serial number=PC005 serial type=GreenSportBike type=G				serial number=PC009 ser type=GreenSportBike typ			•	•	
type-dreensportBike -	cype-dreensportBike - cype-d	reemsportbike	- cype-dreensportBike	- type-dreensportBike	cype-dreensportBike - cyp	e-dreemsports	. Ac			
PC102 ®	PC103 ®	PC104 ®	RedSportBi	.ke ® Selle	er ® TaxAuth	nority ®]		
		mic Resource	Economic Resource		_		Economic Event			
			☑ resource-type-id		<u> </u>	U 71	underway			
	□ reserved □ res		price currency=Dai	role=seller	role=Tax Auth		event-complete			
		hanged	suggested price=800		•			1		
		Party100	suggested VAT/MOMS=	=200						
		number=PC104								
type=RedSportBike	type=RedSportBike type=R	edSportBike	j							

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;

				ener; Document: Remittance Advice	<u>.</u> ,		
Process1	Process1	<u>Contract1</u>	Pay1	<u>PlanDel1</u>	<u>PlanPay1</u>	<u>Buyer</u> ®	<u>Dai</u> ®
Business Process Detail	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
	identification	□ accepted	□ event-complete			role=buyer	exchange USD=1.0
	negotiation	☐ contract-complete	allocation sf~Dail	□ commitment-complete	□ commitment-complete		proper name=Dai resource type=cryptocurrency
	actualization	buyer party=Party200	<pre>contract~Contract1 event type~PaymentType</pre>	item=GreenSportBike	contract=Contract1		resource type-cryptocurrency
☑ order-received	□ post-actualization		payment date~2020-06-10	planned date=2020-06-15 planned quantity=10	planned allocation=Dail planned date=2020-06-10		
□ counter-order-received	1	currency=Dai	<pre>planned payment~PlanPay1 receiver amount~12000</pre>	receiver party=Party200	planned receiver amount=12000		
	i	planned delivery=PlanDel1 planned payment=PlanPay1	VAT/MOMS~3000	sender party=Party100	planned VAT/MOMS=3000		
paid	-	sale type=wholesale					
☐ despatched	į	seller party=Party100					
☐ goods-received	-	VAT/MOMS=3000 wallet balance~15000					
□ abandoned		wallet currency~Dai					
□ completed	1						
L 	4						
Dail ® I	DeliveryType ® Gre	enSportBike ®	Party100 ®	Party200 ®	Party300 ® Paym	mentType ® PC	001 ® <u>PC002</u> ®
Economic Resource Ec	onomic Event Type Econor	nic Resource Type	Economic Agent	Economic Agent	Economic Agent Econom	ic Event Type Economic	c Resource Economic Resource
🗷 available 🗵 e	event-type-identified resou	rce-type-identified part	icipating	□ participating	participating	type-identified 🗷 availal	ble 🗷 available
		rrency=Dai currenc	y=Dai	currency=Dai cu	rrency=Dai resource		
□ exchanged			ll's Bikes Manufacturing		me=Danish Tax Agency	□ exchar	
amount=15000	suggeste	ed VAT/MOMS=300 type=Se wallet=	0x4cFa2eDE		pe=TaxAuthority 11let=0xdA9f23F4	actual pr	ice=1200 actual price=1200
from=Party200			balance=0		illet balance=0		T/MOMS=300 actual VAT/MOMS=300 tv100 owner=Partv100
resource type=Dai						owner=Par serial nu	mber=PC001 serial number=PC002
						type=Gree	nSportBike type=GreenSportBike
PC003 ®	PC004 ® PC00	- I	PC007 ®		PC009 ® PC010	® <u>PC011</u> ®	PC100 ®
	nomic Resource Economic R				nic Resource Economic Resour	_	Economic Resource
	vailable Z available	available	I —— I	available 🗷 avai			▼ available
· — · · ·	eserved reserved	▼ reserved		reserved reserved			reserved
1	exchanged			exchanged		_ .	□ exchanged
	nal price=1200 actual price nal VAT/MOMS=300 actual VAT/M				price=1200 actual price=1200 VAT/MOMS=300 actual VAT/MOMS=3		owner=Party100 serial number=PC100
	er=Party100 owner=Party1				arty100 owner=Party100	type=GreenSportBike	type=RedSportBike
	al number=PC004 serial numbe				number=PC009 serial number=PC0		
type=GreenSportBike type	e=GreenSportBike type=GreenSp	ortBike type=GreenSportBike	type=GreenSportBike ty	ype=GreenSportBike type=Gr	eenSportBike type=GreenSportBi	ke	
PC101 ®	PC102 ® PC10	3 ® PC104	RedSportBike	® Seller	® TaxAuthority ®		
	nomic Resource Economic R						
	vailable	available	resource-type-identif				
	eserved available	□ reserved	price currency=Dai	role=seller	role=Tax Authority		
	exchanged		suggested price=800	1010-301101	Tote-Tax Machority		
	er=Party100		suggested VAT/MOMS=200				
serial number=PC101 seri	al number=PC102 serial number		1				
type=RedSportBike type	e=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;

Business Process Overview Catalogue-requested Depaining Depaining Depailed De								
Catalogue-received Catalogue-received Catalogue-received Catalogue-received Catalogue-received Catalogue-received Counter-received			<u>Contract1</u>		<u> Pay1</u>	<u>PlanDel1</u>	<u>PlanPay1</u>	
Recepted Genomic Resource Genomic Resource Family	Business Process Detail	Business Process Overview		Economic Event		Economic Commitment	Economic Commitment	
## Gooding Agent Contract Complete Days againstance Days agains			☑ offered	✓ underway	underway	proposed		agent-type-identified
Control Cont			accepted	1	□ event-complete			role=buyer
Greened of the control of the con			1			□ commitment-complete	□ commitment-complete	
Bodd-received Dost-actualization Dost-actuali		actualization act						-
Countrie-roder-received Condent-received Cond		□ post-actualization		item~GreenSportBike	payment date=2020-06-	10 planned date=2020-06-15		
Part						receiver party=Party200		
Dail Second Sec						sender party=Party100	planned VAT/MOMS=3000	_
Soonomic Resource Soon			sale type=wholesale			<u> </u>		
Second S								
Dai			wallet balance=15000					
Dai			wallet currency=Dai					
Economic Resource Type Economic Resource Econom	☐ completed							
Economic Resource Type Economic Resource Econom		'						
Secure S					_			
pcon amendat resource type-cryptourrency cychanged amount-1500 from-Party200 resource type-point resource to resource type-point resource type-poi	Economic Resource Type	Economic Resource E	conomic Event Type Eco	71				21
Section Sect	resource-type-identified	🗷 available 🗵	event-type-identified 🗵 re	source-type-identified	participating	participating	☑ participating ☑ ev	ent-type-identified
Second S		☑ reserved del						rce type=dai
PC01 PC002 PC003 PC004 PC005 PC006 PC007 PC008 PC009 PC		ev = exchanged						
PC001 © PC002 © PC003 © PC004 © PC005 © PC006 © PC007 © PC008 © PC009 © PC010 © Economic Resource Economic Resource Economic Resource Z available C reserved C exchanged actual price=1200 actual VAT/MOMS=300	21 21 21 21 21 21 21 21 21 21 21 21 21 2	amount=15000		w	allet=0x4cFa2eDE	wallet=0xdF86f112	wallet=0xdA9f23F4	
PC001 © PC002 © PC003 © PC004 © PC005 © PC006 © PC006 © PC007 © PC008 © PC009 © PC010				W	allet balance=0	wallet balance=85000	wallet balance=0	
Economic Resource								
available	PC001 ®	PC002 ® PC00	3 ® <u>PC004</u>	PC005 ®	PC006 ®	PC007 ® PC008	® <u>PC009</u> ®	PC010 ®
☑ reserved ☑ exchanged ☑ exchanged ☑ exchanged ☑ exchanged ☐ exchanged	Economic Resource Econ	omic Resource Economic R	esource Economic Resourc	e Economic Resource	Economic Resource Eco	onomic Resource Economic Res	source Economic Resource I	Economic Resource
Cxchanged Cxch	🗷 available 🗵 av	railable 🗵 available		available availab	🗷 available	available Z available	🗷 available	available available
Cxchanged Cxch	☑ reserved ☑ re	served 🗷 reserved	▼ reserved	reserved	reserved r	reserved 🗵 reserved	ℤ reserved 2	reserved
actual VAT/MOMS=300 owner=Party100 owner=Party100 owner=Party100 serial number=PC001 type=GreenSportBike reserved connected available connected exchanged owner=Party100 ow								
owner=Party100 serial number=PC001 type=GreenSportBike vpe=GreenSportBike vpe=GreenSportB								
serial number=PC001 type=GreenSportBike serial number=PC002 type=GreenSportBike serial number=PC003 type=GreenSportBike serial number=PC005 type=GreenSportBike serial number=PC005 type=GreenSportBike serial number=PC006 type=GreenSportBike serial number=PC006 type=GreenSportBike serial number=PC008 type=Green								
PC011 ® PC100 ® PC101 ® Economic Resource Economic Resource Economic Resource Economic Resource Economic Resource Economic Resource								
Economic Resource Econom	type=GreenSportBike type=	GreenSportBike type=GreenSp	ortBike type=GreenSportBik	e type=GreenSportBike t	type=GreenSportBike type	e=GreenSportBike type=GreenSpo	rtBike type=GreenSportBike t	ype=GreenSportBike
Economic Resource Econom				n		_ ,_ ,_ ,		
Image: Contract of the contract								
□ reserved □ reserved □ reserved □ reserved □ reserved □ reserved □ exchanged □ exchanged □ exchanged □ exchanged □ exchanged □ owner=Party100 owner=Party1				_			<u> </u>	<u> </u>
□ exchanged □ exc								
owner=Party100 owner=					01100		eller role=Tax A	ithority
	<u> </u>			<u> </u>	□ exchanged sugg			
type=GreenSportBike type=RedSportBike type=RedSportBike type=RedSportBike type=RedSportBike type=RedSportBike type=RedSportBike								

OeDBTR: Pre-payment procurement process; Scenario: The wholesale purchases of green and red bicycles 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; 7	To: seller; Document: Rece	ipt Advice;						
Process1	Proc	ess1	Contract1		Pay1	PlanPa	ay1	Ī	Buyer	® <u>Da</u>	<u>i</u> ®	Γ	ai1 ®
Business Process D	etail Business Proc	ess Overview	Economic Contrac	: I	Economic Event	Economic Cor	nmitment		ic Agent Typ		source Type	Econom	ic Resource
	ed 🗷 planning		☑ offered	<u> </u>	underway	□ proposed			type-identifi	ed 🗵 resource-typ	e-identified	🗷 avail	able
	d ☑ identificati	on	□ accepted		event-complete			role=buye		exchange USD=1.	0	reser	ved
	ed	<u>. </u>	□ contract-complete		location sf=Dail	□ commitment-c	omplete			proper name=Dai resource type=0		□ exch	anged
■ quotation-received	d ☑ actualizatio	on	buyer party=Party200	0.11	ontract=Contract1 rent type=PaymentType	contract=Contract		_		resource eype e	rypeocurrency	amount=1	
order-received	□ post-actual	ization	contract date=2020-06 cost=12000	pa	yment date=2020-06-10							from=Par	ty200 type=Dai
☐ counter-order-rece	eived	_	currency=Dai	~~	anned payment=PlanPay ceiver amount=12000	planned receiver	amount=1200	00			L		115
order-accepted			planned delivery=Plan planned payment=PlanP	ell [T/MOMS=3000	planned VAT/MOMS=	3000						
paid			sale type=wholesale	· y -		_							
despatched			seller party=Party100 VAT/MOMS=3000										
goods-received			wallet balance=15000										
□ abandoned		<u>[</u>	wallet currency=Dai										
□ completed	i												
DeliveryType		rtBike ®	Party100	®	Party200	® Party30		Payment		PC011 ®	PC100		<u>PC101</u> ®
Economic Event Ty	rpe Economic Reso	ource Type	Economic Agen		Economic Agen	t Economic A	<u> </u>	Economic Ev	71	Economic Resource	Economic Re	source	Economic Resource
			▼ participating		participating	participating		event-type-		available	available		available
delivery-type=wholes	ale price currency=		currency=Dai name=Bill's Bikes Manuf	aturina	currency=Dai name=Jonas's Bike	currency=Dai Shop name=Danish Tax		esource type=	dai	reserved	□ reserved		□ reserved
	suggested PIICE suggested VAT/M		type=Seller	accuring	type=Buyer	type=TaxAuthor:				□ exchanged	□ exchanged		□ exchanged
	<u> </u>		wallet=0x4cFa2eDE		wallet=0xdF86f11					owner=Party100 serial number=PC011	owner=Party10 serial number		owner=Party100 serial number=PC101
		W	wallet balance=0		wallet balance=850	00 wallet balance=	=0			type=GreenSportBike	type=RedSport		type=RedSportBike
PC102 ®	<u>PC103</u> ®	PC104					Authorit	- :	Del1	© <u>Pl</u>	anDel1	C	PC001
Economic Resource	Economic Resource	Economic Re	esource Economic Re	source '	71		nic Agent T		conomic Ev	ent Economi	c Commitment	Econo	mic Resource
available	available	available		pe-iden	tified 🗷 agent-type-	-identified 🗷 agent	-type-identi	ified 🗵 un	derway	🗷 propose	ed	🗷 ava	ilable
□ reserved	reserved	□ reserved	price currenc		role=seller	role=Tax	Authority	∠ eve	ent-complete	🗷 specifie	ed	🗷 res	erved
□ exchanged	□ exchanged	□ exchanged			0				date=2020-0		ment-complete		changed
owner=Party100	owner=Party100	owner=Party10	00						. quantity=10 type=Deliver	item=Green			price~1200
serial number=PC102 type=RedSportBike	serial number=PC103 type=RedSportBike	serial number type=RedSport						item=0	GreenSportBik	re prainted da	te=2020-06-15 antity=10		VAT/MOMS~300 : ry sf~Del1
									ed delivery=E er party=Par	PlanDell receiver p	arty=Party200	owner~	Party200
									party=Party	100 sender par	ty=Party100		number=PC001 reenSportBike
© <u>PC002</u>	© <u>PC003</u>	© PC004	4 © <u>PC005</u>		© <u>PC006</u>	© <u>PC007</u>	© <u>PC</u> (008	PC009	© <u>PC0</u> :	10		
Economic Resource	Economic Resource	Economic Re	esource Economic Res	ource	Economic Resource	Economic Resource	Economic	Resource 1	Economic Re	esource Economic	Resource		
🗷 available	available	available	available	:	available availab	available	🗷 availab	:	available	🗷 availabl	•		
🗷 reserved	🗷 reserved	🗷 reserved	🗷 reserved		reserved reserved	▼ reserved	🗷 reserve	ed [reserved	🗷 reserved	l		
exchanged	exchanged	exchanged		- 8	exchanged exchang	✓ reserved✓ exchanged	✓ exchan	nged	reserved exchanged	d			
actual price~1200	actual price~1200	actual price~	~1200 actual price~	200	actual price~1200	actual price~1200	actual pr	ice~1200 a	actual price-	-1200 actual prio			
actual VAT/MOMS~300 delivery sf~Del1	actual VAT/MOMS~300 delivery sf~Del1	actual VAT/MC delivery sf~D			actual VAT/MOMS~300 delivery sf~Del1	actual VAT/MOMS~300 delivery sf~Del1	actual VA'		actual VAT/MO delivery sf~I				
owner~Party200	owner~Party200	owner~Party20			owner~Party200	owner~Party200	owner~Part		owner~Party2(
serial number=PC002	serial number=PC003	serial number	r=PC004 serial number:	PC005	serial number=PC006		serial nur	mber=PC008		r=PC009 serial numb			
type=GreenSportBike	type=GreenSportBike	type=GreenSpc	ortBike type=GreenSpo:	tBike	type=GreenSportBike	type=GreenSportBike	type=Green	nsportBike 1	ype=GreenSpo	ortbike type=GreenS	portBike		

OeDBTR: Pre-payment procurement process; Scenario: The wholesale purchases of green and red bicycles 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: seller;	; To: buyer; Document: Invo	oice;			
Economic Agent Type agent-type-identified Economic role=buyer Economic resource-texchange USD-proper name= resource type	Dai e=cryptocurrency	Economic Resource Type I resource-type-identified price currency=Dai suggested price=1200 suggested VAT/MOMS=300	Economic A	Agent Ecol Manufacturing type=Bu wallet= wallet wallet	ry=Dai nas's Bike Shop in nas's Bike Shop in yer 0xdF86f112 balance=85000	Party300 ® Economic Agent ✓ participating currency=Dai name=Danish Tax Agency type=TaxAuthority wallet=0xdA9f.23F4 wallet balance~3000	PaymentType ® Economic Event Type © event-type-identified resource type=dai
Economic Resource ☐ available ☐ reserved ☐ exchanged owner=Party100 serial number=PC011 type=GreenSportBike ☐ PC100 Economic Resour ☐ available ☐ reserved ☐ exchanged owner=Party100 serial number=PC11 type=RedSportBike	X available		available reserved	RedSportBike Economic Resource Ty I resource-type-identif price currency=Dai suggested price=800 suggested VAT/MOMS=200	ype Economic	Agent Type Econom	uthority ® ic Agent Type type-identified
•	action	wedland	© Pay1 Economic Eve Underway event-complete allocation sf=Dail contract=Contract event type=Payment payment date=2020- planned payment=Pl receiver amount=12 VAT/MOMS=3000	I proposed I specified I commitmer	Emmitment	PlanPay1 Economic Commitment proposed pecified ommitment-complete ract=Contract1 ned allocation=Dail ned date=2020-06-10 ned receiver amount=120 ned VAT/MOMS=3000	© Dail Economic Resource ☑ available ☑ reserved ☑ exchanged amount=15000 from=Party200 resource type=Dai tol-amount-12000 tol-party-Party100 to2-party-Party300
© PC001 © PC002 Economic Resource Economic Resour © available © reserved © exchanged actual price=1200 actual VAT/MOMS=300 delivery sf=Del1 owner=Party200 serial number=PC001 type=GreenSportBike vpe=GreenSportBi	I available		Economic Resource I available I reserved I exchanged I exchanged I extual price=1200 actual VAT/MOMS=300 actual VAT/MOMS=300 actual VAT/MOMS=300 actual vary200 serial number=PC006 serial	X available X reserved X exchanged actual price=1200 actual VAT/MOMS=300 delivery sf=Del1 owner=Party200 serial number=PC007	PC008 conomic Resource available reserved exchanged ctual price=1200 ctual VAT/MOMS=300 elivery sf=Del1 wner=Party200 erial number=PC008 ype=GreenSportBike		Economic Resource available reserved ctanged actual price=1200 actual VAT/MOMS=300 delivery sf=Del1 owner=Party200 serial number=PC010 type=GreenSportBike

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) From: buyer; To: seller; Document: Request For Quotation;

			From: buyer; 10: selle	er; Document: Request F	or Quotation	<u>1</u> ;			
Process2	Process2	Contract2	<u>PlanDel2</u>	Buyer	®		<u>Dai</u> ®	DeliveryType	
Business Process Detail	Business Process Overview	·	Economic Commitment	Economic Agen			Resource Type	Economic Event Typ	— I —————
☐ catalogue-requested	□ planning	☑ offered	☑ iproposed	agent-type-ide agen			type-identified	event-type-identifi	
☐ catalogue-received☐ quotation-requested☐	☐ identification☐ □ negotiation		□ specified	role=buyer		exchange USE proper name=		delivery-type=wholesa	ale price currency=Dai suggested price=1200
quotation-requested	☐ negotiation	☐ contract-complete buyer party~Party200	☐ commitment-complete	į.	1	resource typ	e=cryptocurrency		suggested VAT/MOMS=300
quotation-received	□ post-actualization		planned date~2020-07-15						
□ counter-order-received		planned delivery~PlanDel2 sale type~wholesale	planned quantity~10 receiver party~Party200						
order-accepted	 		sender party~Party100						
□ paid	į			-					
□ despatched									
☐ goods-received									
□ abandoned									
□ completed									
	• •		. 1				1		
Party100	® Party200	® Party300 ®	PaymentType ®	<u>PC011</u> ®		<u>C100</u> ®	PC101	® <u>PC102</u>	® <u>PC103</u> ®
Economic Agent	Economic Agent	Economic Agent		Economic Resource		ic Resource	Economic Resou		— I — — — I .
□ participating	☑ participating	1 1 2	71	available	ℤ availa			available availab	
currency=Dai name=Bill's Bikes Manufact	currency=Dai curing name=Jonas's Bike Sho	op name=Danish Tax Agency		reserved	□ reserv		□ reserved	□ reserved	□ reserved
type=Seller wallet=0x4cFa2eDE	<pre>type=Buyer wallet=0xdF86f112</pre>	type=TaxAuthority wallet=0xdA9f23F4	I	exchanged wner=Party100	□ excha		□ exchanged owner=Party100	exchanged owner=Party100	exchanged owner=Party100
wallet balance=12000	wallet balance=85000	wallet balance=3000	s	erial number=PC011	serial n	number=PC100	serial number=PC	101 serial number=PC	:102 serial number=PC103
	-		t	ype=GreenSportBike	type=Red	lSportBike	type=RedSportBik	e type=RedSportBik	e type=RedSportBike
PC104 ®	RedSportBike ®	Seller ® Ta	xAuthority ® ©	Process1	: ©]	Process1		ntract1 ; ©	Del1
Economic Resource Eco	onomic Resource Type Ec	onomic Agent Type Econ-	omic Agent Type Busine	ess Process Detail	Business	s Process Ov	verview : Econo	omic Contract	Economic Event
🗷 available 🗵 re	esource-type-identified 🗵 a	gent-type-identified 🗵 age	nt-type-identified 🗵 catal	logue-requested	 plann	ning	▼ offere	d 🗵	underway
		=seller role=T	ax Authority 🗷 catal	logue-received	ident	ification		ted 💹	event-complete
□ exchanged sugge	ested price=800 ested VAT/MOMS=200		🗷 quot	ation-requested	🗷 negot	tiation		,	tual date=2020-06-10
owner=Party100 serial number=PC104			, 1	ation-received	actua		T = actual na	umant=Pav1 :eve	ent type=DeliveryType :
type=RedSportBike				r-received	🗵 post-	actualization	buyer par	ty=Party200	em=GreenSportBike anned delivery=PlanDell:
				nter-order-received	:		contract cost=1200	in rec	ceiver party=Party200
			•	r-accepted	:		currency=	Dai ser	nder party=Party100
			☑ paid ☑ desp		:			lelivery=PlanDell: payment=PlanPay1	
			, .	ds-received			sale type	=wholesale	
			□ aban				: seller pa : VAT/MOMS=	rty=Party100	
			∑ com				wallet ba	lance=0 rrency=Dai	
					:		. wallet co	illency-bar	
© <u>Pay1</u>	© <u>PlanDel1</u>	© <u>PlanPay1</u>	© <u>Dail</u> ©	PC001	© <u>PC</u> (<u>002</u>	© <u>PC003</u>	© <u>PC004</u>	© <u>PC005</u>
Economic Event	Economic Commitment	Economic Commitment	Economic Resource Ec	onomic Resource	Economic	c Resource		Economic Resour	ce Economic Resource
		x proposed			availab		available	■ available	
🗷 event-complete		specified			reserve		reserved	reserved	reserved
allocation sf=Dail contract=Contract1	☑ commitment-complete	Contract=Contract1		exchanged	exchan		exchanged	exchanged exchanged	exchanged
event type=PaymentType payment date=2020-06-10	item=GreenSportBike planned date=2020-06-15	contract=Contract1 planned allocation=Dail		tual price=1200 : tual VAT/MOMS=300 :	actual pri	T/MOMS=300	actual price=1200 actual VAT/MOMS=30	actual price=1200 actual VAT/MOMS=3	actual price=1200 00 actual VAT/MOMS=300
nlanned naument-DlanDavi *		planned date=2020-06-10 planned receiver amount=1200		livery sf=Del1	delivery s		delivery sf=Del1 owner=Party200	delivery sf=Del1 owner=Party200	delivery sf=Del1 owner=Party200
receiver amount=12000 VAT/MOMS=3000		planned VAT/MOMS=3000	tol-party=Party100 ser	rial number=PC001 :	serial nur	mber=PC002	serial number=PC00	03 serial number=PC0	04 serial number=PC005
VAT/MOMS=3000	······································			pe=GreenSportBike	type=Green	nSportBike	type=GreenSportBil	ke : type=GreenSportBi	ke type=GreenSportBike
			to2-party=Party300						

© <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
🗷 available	🗵 available	🗵 available	🗵 available	🗵 available
: 🗷 reserved		🗷 reserved		
exchanged				
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
delivery sf=Del1	delivery sf=Del1	delivery sf=Del1	delivery sf=Del1	delivery sf=Dell
owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200
:serial number=PC006	serial number=PC007	serial number=PC008	serial number=PC009	serial number=PC010
type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike

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

			From: seller; To	o: buyer; Document: Quo	tation;				
Process2 Business Process Detail □ catalogue-requested □ catalogue-received ☑ quotation-requested □ order-received □ order-received □ order-accepted □ paid □ despatched □ goods-received □ abandoned □ completed	Process2 Business Process Overview □ planning ☑ identification ☑ inegotiation □ actualization □ post-actualization		PlanDel2 Economic Commitment proposed specified commitment-complete item=RedSportBike planned date=2020-07-15 planned quantity-5 receiver party=Party200 sender party=Party100	Economic Agent Economic Agent agent-type-ide	<u> </u>	Economic resource- exchange USE proper name=		DeliveryType Economic Event Type event-type-identified delivery-type=wholesale	<u> </u>
Party100 Economic Agent participating	Bearty200 Economic Agent	currency=Dai	E event-type-identified resource type=dai	pc011 ® conomic Resource available reserved conomic Resource	Econor avai rese exch owner=P serial	rved	PC101 Economic Resou available □ reserved □ exchanged owner=Party100 serial number=Pc type=RedSportBik		□ available □ reserved □ exchanged owner=Party100
Economic Resource available price price suggestions	source-type-identified a	onomic Agent Type gent-type-identified Econ gent-type-identified	omic Agent Type ent-type-identified ax Authority Busine catal catal quot quot coun coun	logue-requested logue-received ation-requested ation-received r-received atter-order-received r-accepted atched ds-received ddoned	☑ plan ☑ iden ☑ nego ☑ actu	Process1 ss Process Orining ntification otiation talizationactualization	verview Econ ignormal actual de actual pa buyer par contract cost=1200 currency planned of planned panled by seller pa VAT/MOMS-wallet ba	d ed ct-complete livery=Del1 yment=Pay1 ty=Party200 date=2020-06-01 0 Dai leclivery=PlanDel1 ayment=PlanPay1 =wholesale rty=Party100 3000	Del1 Economic Event derway /ent-complete il date=2020-06-10 il quantity=10 it type=DeliveryType GreenSportBike ted delivery=PlanDel1 iver party=Party200 or party=Party100
event-complete allocation sf=Dail contract=Contract1 event type=PaymentType payment date=2020-06-10 planned payment=PlanPay1	▼ specified ▼ commitment-complete item=GreenSportBike planned date=2020-06-15 planned quantity=10 receiver party=Party200	PlanPay1 Economic Commitment proposed specified commitment-complete contract=Contract1 clanned allocation=Dail clanned date=2020-06-10 clanned receiver amount=1200 clanned vAT/MOMS=3000	available	available reserved exchanged tual price=1200 tual VAT/MOMS=300 tivery sf=Dell neer=Party200 trial number=PC001	Econom: availa reservence excha actual actual very delivery owner=Pa serial next	ved unged rice=1200 AT/MOMS=300 sf=Del1	© PC003 Economic Resource Zavailable Zechanged actual price=1200 actual VAT/MOMS=3(delivery sf=Del1 owner=Party200 serial number=PC0(type=GreenSportBi)	■ available □ reserved □ exchanged □ actual price=1200 □ actual VAT/MOMS=300 □ delivery sf=Del1 □ owner=Party200 □ serial number=PC004	© PC005 Economic Resource Z available Exchanged actual price=1200 actual VAT/MOMS=300 delivery sf=Del1 owner=Party200 serial number=PC005 type=GreenSportBike

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Economic Resource	Economic Resource	Economic Resource	Economic Resource	Economic Resource
🗷 available	🗷 available	🗷 available	🗵 available	🗵 available
ː 🗷 reserved	▼ reserved			
exchanged	exchanged			
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
delivery sf=Del1	delivery sf=Del1	delivery sf=Dell	delivery sf=Del1	delivery sf=Del1
owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200
serial number=PC006	serial number=PC007	serial number=PC008	serial number=PC009	serial number=PC010
type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike

OeDBTR: Pre-payment procurement process; Scenario: The wholesale purchases of green and red bicycles Business Event #20: Buyer: Okay, here is an order for red 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;

## Registation requested Quidaling registration Commitment complete Commitment com				·					.
Cardanger Contected Tar interfring time	•		<u> </u>					Dai	L .
contained completed communication complete	Business Process Detail	Business Process Overview	Economic Contract	Economic Commitment	Economic Commitme	nt Economic Aş	gent Type I	Economic Resource Type	Economic Resource
## Geomatic Resource Green Resource	☐ catalogue-requested	□ planning	☑ offered	☑ proposed		agent-type-	identified 🗷	resource-type-identified	
## Committee-received control of a control o	☐ catalogue-received	identification	accepted accepted	□ specified	□ specified	role=buyer			☐ reserved
Agendation received Contine-Anthor-Received Contine-Anthor-Recei	quotation-requested	negotiation	☐ contract-complete	□ commitment-complete	□ commitment-complete	e			□ exchanged
Complete Control Con	■ quotation-received	□ actualization			contract~Contract2				amount~5000
Content content of the content of	✓ order-received	□ post-actualization							
Particular Par	☐ counter-order-received	<u> </u>	planned delivery=PlanDel	2 receiver party=Party200	planned receiver amount~	4000			
Gespatched Substantial State Substantial	☐ order-accepted	i		sender party=Party100	planned VAT/MOMS~1000	;			
Deliver/Type (SeemSportBike Party10 Seonomic Resource Type Seonom	-		seller party=Party100						
Pailver/Type Economic Event Type Economic Resource Economic Resour	1 *		VAT/MOMS=1000	.3					
Deall SeeanSportBike Ratty100 Ratty200 Ratty2	☐ goods-received								
Party Part	1	 							
Economic Event Type Economic Negent Economic Agent Economic Agent Economic Agent Economic Event Type Economic Resource Economic Res	□ completed	!							
Economic Event Type Economic Negent Economic Agent Economic Agent Economic Agent Economic Event Type Economic Resource Economic Res		•				•			
Description	Economic Event Type	Economic Resource Type	Economic Agent	Economic Agent	Economic Agent	Economic Event	Type Econon	nic Resource Economic R	esource Economic Resource
Suggested 9/1/8069-100 Suggested 9/1/8069-	event-type-identified	resource-type-identified	1 1 5	participating	participating	- 71	tified 🗷 avail	lable 🗷 available	
Symposition			currency=Dai	currency=Dai		resource type=dai	□ reser	rved reserved	□ reserved
wailet-okd25.25.25E wailet-okd25.25E wailet-o				type=Buyer	type=TaxAuthority				
PC102 * PC103 * PC104 * Economic Resource Ec	L			wallet=0xdF86f112					
Economic Resource Economic Committed Economic Resource Economic Resource Economic Committed Economic Resource Economic Resource Economic Committed Economic Resource Economic Resource Economic Resource Economic Committed Economic Resource		L	wallet balance=12000	wallet balance=85000	wallet balance=3000]			
Economic Resource Economic Committed Economic Resource Economic Resource Economic Committed Economic Resource Economic Resource Economic Committed Economic Resource Economic Resource Economic Resource Economic Committed Economic Resource									
Savailable Proposed Propose	PC102 ®	PC103 ® PC10				ity ® © Pro	ocess1	Process1	© Contract1
□ reserved □ cxchanged □ cxch	Economic Resource Econ	nomic Resource Economic R	Resource Economic Reso	urce Type Economic Agent	Type Economic Ager	nt Type Business	Process Detail	: Business Process Overv	iew Economic Contract
cxchanged	🗷 available 🗵 av	vailable 🗵 available	resource-type-	-identified 🗵 agent-type-iden	ntified 🗷 agent-type-ide	entified 🗵 catalogi	ie-requested	🗷 planning	☑ offered
Sexhanged Sex	□ reserved □ re	served reserved			role=Tax Authori	ty catalogi	ie-received		🗵 accepted
owner=Party100 serial number=PC102 type=RedSportBike vpe=RedSportBike vpe=			suggested VAT/MO			🗷 quotatio	n-requested	negotiation	☑ contract-complete
type=RedSportBike type=RedSpor			100			🗷 quotatio	n-received		
□ counter-order-received □ order-accepted □ order-accept						🗷 order-re	eceived	post-actualization	
## Del1	11 1	1 11 1				□ counter-	-order-received		contract date=2020-06-0
B paid despatched							ccepted		
Sale type=wholesale seller party=party100 var/Moxs=3000 wallet balance=0 wallet currency=bair date=2020-06-10 planned date=202								•	planned delivery=PlanDe
Seller party=Party100 var//moms=3000 Seller party=Party100 varies varies seller party=party100 varies varies seller party=party100 varies varies seller party=party100 varies varies seller party=party100								:	
Del1 Payl Economic Event Economic Resource Economic Re									seller party=Party100
Del1 Economic Event Economic Event Economic Economic Commitment Economic Commitment Economic Resource Ferondic Resource Ferondic Resource Ferondic Resource								:	
Economic Event Economic Event Economic Commitment Economic Commitment Economic Resource Economic						complet	ted		
Economic Event Economic Event Economic Commitment Economic Commitment Economic Resource Economic	······	g							
Underway		· — — /		_	· · · · · · · · · · · · · · · · · · ·				
Event-complete actual date=2020-06-10 actual quantity=10 event type=PalymentType titem=GreenSportBike planned delivery=Plantpl10 receiver party=Party100 event type=Party100 event type=P	Economic Event	: .	Economic Commitment	Economic Commitment					
actual date=2020-06-10 actual quantity=10 contract=Contract1 contract=Contract1 event type=PalymentType planned date=2020-06-10 planned date=2020-06-10 planned payment=PlanPaly receiver party=Party100 sender party=Party100 to2-amount=13000 type=GreenSportBike type=Gre	☑ underway	underway [▼ proposed	🗷 proposed	🗷 available	available .	🗷 available	🏿 🗷 available	available availab
actual quantity=10 contract=Contract1 event type=DeliveryType ovent type=PaymentType planned date=2020-06-10 planned date=2020-06-10 planned quantity=10 planned quant	🗷 event-complete	1 *	x specified		▼ reserved □	reserved	x reserved		▼ reserved
event type=PeliveryType event type=PaymentType fallended ade=2020-06-10 planned date=2020-06-10 planned date=2020-			commitment-complete			exchanged	exchanged		
item=GreenSportBike payment date=2020-06-10 planned quantity=10 planned date=2020-06-10 planned date=2020-06-10 planned date=2020-06-10 resource type=Dai delivery sf=Del1 delivery sf=Del1 delivery sf=Del1 delivery sf=Del1 delivery sf=Del1 owner=Party200 owner=Party200 receiver amount=12000 sender party=Party100 sender party=Party100 sender party=Party100 sender party=Party100 sender party=Party100 tol-amount=12000 serial number=PC001 serial number=PC001 serial number=PC001 type=GreenSportBike type=Gre		orront turno-BarmontTime							
planned delivery=PlanDell planned payment=PlanPayl receiver party=Party200 planned receiver amount=12000 tol-amount=12000 owner=Party200 owne	item=GreenSportBike	payment date=2020-06-10							
sender party=Party100 VAT/MOMS=3000 to1-party=rarty100 serial number=rc004 serial number=rc004 serial number=rc004 to2-amount=3000 type=GreenSportBike type=GreenSport		planned payment=PlanPayl	receiver party=Party200	planned receiver amount=12000	to1-amount=12000 o	wner=Party200	owner=Party200	owner=Party200	owner=Party200
		VAT/MOMS=3000	sender party=Party100						
to2-party=Party300 :	***************************************	i			to2-party=Party300	Abe-erecushorrelke		rbive . rAbe-GreensbortBike	. cybe-greensborrprke

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

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

Carbonic requested quastion re				From: seller; To: buyer	; Document: Order Response S	Simple;				
Carbonic requested quastion re	Process2	Process2	Contract2	PlanDel2	<u>PlanPay2</u>		Buyer	®	<u>Dai</u>	Dai2
calabage-recived quiction-recorded participation of a negotiation of the control quiction-recorded quiction-recorded quiction-recorded participation of the control of the	Business Process Detail	Business Process Overview	Economic Contract	Economic Commitment	Economic Commitn	nent	Economic Ager	t Type Eco	onomic Resource Type_	Economic Resource
guodation-requested conference-over content of the	☐ catalogue-requested	1 0					0 71		71	
geodation-respective question-respective quest		a a constant of the constant o					role=buyer			
Security-e-destinated processes and an extractive security processes of the security processes and an extractive security		,	·			ete				
contest ender company of the company						12				
Party 20		□ post-actualization	cost=4000	planned quantity=5	planned date=2020-07-1	10				
Second Part Per Conomic Resource Per P	F					nt=4000				
DeliveryType Commonic Resource Promotine Resource Promotic			sale type=wholesale		L					
BeliveryType GreenSportstate Feonomic Resource Feonomic Reso	±.									
Deliveryity Commit Event Type Commit Resource Type Commit Re	*			_						
PartyType GreensportBike Factor	□ abandoned									
Party Part	□ completed									
Conomic Resource Type	L -	I								
Participating Dispute part	DeliveryType ®	<u> GreenSportBike</u> ®	Party100	® Party200 ®	Party300	® <u>P</u>	aymentType	® PC0	011 ® <u>PC10</u>	0 ® <u>PC101</u> ®
Testrophic Committee Com	Economic Event Type	Economic Resource Type	Economic Agent	Economic Agent	Economic Agent	Eco	nomic Event Typ	e Economic	Resource Economic R	esource Economic Resource
sugareed VN2/NMM0-100 cyclanged cyclan		resource-type-identified	participating	participating		ℤ ev	ent-type-identifi	ed 🗷 availab	ole 🗷 available	available
Section (Appendix of the proposed of the propo						resou	rce type=dai	□ reserve	[L	- L :
ECIO2 * PCIO3 * PCIO4 * RedSportBike Conomic Resource Economic R					type=TaxAuthority	⊃y			<u> </u>	I
PC102 * PC103 * PC104 * RedSportBike * Economic Resource Economi	_									
PC102 * PC103 * PC104 * RedSportBike * Seller *		L	wallet Dalance-12000	wallet balance-03000	Wallet Dalance-3000				nSportBike owner=Party10	00 owner=Party100
PC102 * PC103 * PC104 * RedSportBike * Economic Resource available reserved available reserved available reserved available reserved research to the price extraction and the proposed research to t										
Conomic Resource Economic Resource Sunday Economic Resource									Laterate	
Total part Tot	:				<u>er</u> ® <u>TaxAut</u>	hority	· ® © Pr	ocess1	© <u>Process1</u>	© <u>Contract1</u>
reserved	'								Business Process Over	
exchanged exchan									, 1	
Collanged Coll			· · · · · · · · · · · · · · · · · · ·		role=Tax Au	thority			5	
The commit of th		<u> </u>	suggested VAT/					1		*
pe=RedSportBike type=RedSportBike type=RedSportB										
perkedSportBike type=RedSportBike type=RedSportB										
Economic Event Del1 Complete Economic Event Economic Commitment Economic Resource Economic R							:			
Del1 Payl Commitment Economic Event Economic Commitment Economic Resource Eco								ecepted		
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Del1 Payl Conomic Event Economic Event Economic Event Underway Event-complete tual date=2020-06-10 tual quantity=10 ent type=Planned quantity=10 ent epraty=arty100 energer payrent date=2020-06-15 planned quantity=10 energer payrent date=2020-06-10 planned quantity=10 energer payrent date=2020-06-10 planned quantity=10 energer payrent date=2020-06-10 energer payrent date=2020-06-10 energer payrent date=2020-06-10 planned quantity=10 energer payrent date=2020-06-10 planned quantity=1									•	
Del1 Payl Conomic Event Economic Event Economic Event Economic Event Underway Underway Underway Event-complete tual date=2020-06-10 tual quantity=10 ent type=Pel-pel-liveryType em=GreenSportBike payment date=2020-06-10 planned date=2020-06-10 pla							: 0			VAT/MOMS=3000
Del1 Payl Payl Conomic Event Economic Event Economic Event Economic Event Economic Commitment Economic Commitment Economic Resource Econom								ted		
Economic Event Economic Event Economic Commitment Economic Commitment Economic Resource Economic									. .:	
underway vent-complete tual date=2020-06-10 tual quantity=10 ent type=DeliveryType em=GreenSportBike emergreenSportBike annad delivery=PlantDel1 coiver party=Party200 nder party=Party100 variable vent-complete i proposed vent-complete vent-	© <u>Del1</u>	© <u>Pay1</u>	PlanDel1	PlanPay1	© <u>Dai1</u>	© <u>P</u> (C001 ©	PC002	© <u>PC003</u>	© <u>PC004</u>
vent-complete	Economic Event	Economic Event	Economic Commitment :	Economic Commitment	Economic Resource	Econom	ic Resource Ec	onomic Resour	rce Economic Resource	Economic Resource
tual date=2020-06-10 allocation sf=Dail commitment-complete tual quantity=10 contract=Contract1 contract=Contract1 contract=Contract1 planned date=2020-06-10 planned date=2020-06-10 and delivery=PlanDell coiver party=Party200 neer party=Party200 neer party=Party100 var/MoMs=3000 var/Moms=300 var/Moms=30	underway	underway	x proposed	x proposed	🗷 available	🗷 avail	able 🗵	available	available	🗷 available
tual quantity=10 contract=Contract1 idem=GreenSportBike em=GreenSportBike engerenSportBike	event-complete		x specified	x specified	▼ reserved	🗷 reser	ved	reserved	reserved	
ent type=DeliveryType event type=PaymentType payment date=2020-06-10 planned date=2020-06-15 planned date=2020-06-10 planned delivery=PlanDell energy=Party200 receiver party=Party200 receiver amount=12000 planned receiver amount=12000 tol-amount=12000 owner=Party200 receiver amount=12000 receive	actual date=2020-06-10	contract-Contract1		☑ commitment-complete				U	_ :	
em=GreenSportBike payment date=2020-06-10 planned quantity=10 planned date=2020-06-10 resource type=Dai delivery sf=Del1 deli	event type=DeliveryType	event type=PaymentType		contract=Contract1	amount=15000					
ceiver party=Party200 receiver amount=12000 receiver party=Party200 planned vAT/MoMS=3000 receiver amount=12000 some=Party200 owner=Party200	item=GreenSportBike	payment date=2020-06-10	planned quantity=10	planned date=2020-06-10	resource type=Dai	delivery	/ sf=Dell de	Livery sf=Del1	delivery sf=Del1	delivery sf=Del1
nder party=Party100 VAT/MOMS=3000 Serial indimber-record serial individual serial s	receiver party=Party200	receiver amount=12000								
	sender party=Party100	VAT/MOMS=3000	ocider party-rafty100	STANDER ANTARONS-2000	to2-amount=3000					
to2-party=Party300					to2-party=Party300					

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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					
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				
: delivery sf=Del1	delivery sf=Dell	delivery sf=Del1	delivery sf=Dell	delivery sf=Dell	delivery sf=Del1
owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200	owner=Party200
:serial number=PC005	serial number=PC006	serial number=PC007	serial number=PC008	serial number=PC009	serial number=PC010
type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike	type=GreenSportBike

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;

			Trom: buyer, 10. se	eller; Document: Remittance Advic	<u>c</u> ,		
Process2	Process2	Contract2	Pay2	PlanDel2	PlanPay2	<u>Buyer</u> ®	<u>Dai</u> ®
Business Process Detail	Business Process Overview	Economic Contract	Economic Event	Economic Commitment	Economic Commitment	Economic Agent Type	Economic Resource Type
Business Process Detail □ catalogue-requested □ quotation-requested ☑ quotation-received ☑ order-received □ counter-order-received ☑ paid □ despatched □ goods-received □ abandoned □ completed	Business Process Overview planning identification negotiation actualization post-actualization	☑ offered ☑ accepted □ contract-complete buyer party=Party200 contract date=2020-07-01 cost=4000 planned delivery=PlanDel2	Economic Event ✓ underway □ event-complete allocation sf-Dai2 contract^Contract2 event type~PaymentType payment date~2020-07-10 planned payment~PlanPay2 receiver amount~4000 VAT/MOMS~1000	Economic Commitment proposed specified commitment-complete item=RedSportBike planned date=2020-07-15 planned quantity=5 receiver party=Party200 sender party=Party100	Economic Commitment proposed specified commitment-complete contract=Contract2 planned allocation=Dai2 planned date=2020-07-10 planned receiver amount=4000 planned VAT/MOMS=1000	☑ agent-type-identified role=buyer	Economic Résource Type Eresource-type-identified exchange USD=1.0 proper name=Dai resource type=cryptocurrency
Economic Resource Eco	onomic Event Type event-type-identified every-type=wholesale very-type=wholesale very-type=wholesale	ed price=1200 name=Bi ed VAT/MOMS=300 type=Se wallet=	ill's Bikes Manufacturing	currency=Dai cu name=Jonas's Bike Shop na type=Buyer ty wallet=0xdF86f112 wa	Economic Agent Economic Agent Economic Agent Economic Agent	mic Event Type t-type-identified type=dai Econom availa reser excha owner=Pa serial n	ved reserved anged exchanged
	PC102 Ronomic Resource available reserved exchanged unal price=4000 tual VAT/MOMS=1000 ter=Party100 ter=Party100 ter=RedSportBike PC1 availab Freserve carchanged actual var owner=Part serial number type=RedSp	Resource Comparison Economic Resource	resource-type-ide price currency=Dai suggested price=800 suggested VAT/MOMS=	Economic Agent entified Economic Agent Image: Image Ima	Type Economic Agent Type	— h	☑ planning ☑ identification ☑ negotiation ☑ actualization ☑ post-actualization /ed

© Contract1	© <u>Dell</u>	© <u>Pay1</u>	© <u>PlanDel1</u>	© <u>PlanPay1</u>	© <u>Dail</u>	© <u>PC001</u>	© <u>PC002</u>	© <u>PC003</u>
Economic Contract	Economic Event	Economic Event	Economic Commitment	Economic Commitment	Economic Resource	Economic Resource	Economic Resource	Economic Resource
☑ offered	🗵 underway	🗵 underway	□ proposed	🗷 proposed	🗵 available	🗵 available	🗵 available	🗵 available
🗷 accepted	🗵 event-complete	went-complete	🗵 specified	🗷 specified	▼ reserved	🗷 reserved	🗷 reserved	🗷 reserved
	actual date=2020-06-10	allocation sf=Dail	commitment-complete					
actual delivery=Dell actual payment=Pay1 buyer party=Party200 contract date=2020-06-01 cost=12000 currency=Dai planned delivery=PlanDell planned payment=PlanPay1 sale type=wholesale seller party=Party100 VAT/MOMS=3000 wallet balance=0 wallet currency=Dai		event type=PaymentType payment date=2020-06-10	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	tol-party=Party100	actual price=1200 actual VAT/MoMS=300 delivery sf=Del1 owner=Party200 serial number=PC001 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 delivery sf=Del1 owner=Party200 serial number=PC002 type=GreenSportBike	actual price=1200 actual VAT/MOMS=300 delivery sf=Dell owner=Party200 serial number=PC003 type=GreenSportBike

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