DC³ Conference

From cryptocurrencies to CBDCs

25 – 27 January 2022

https://itu.int/go/dc3c

Moderator: Herve Tourpe, IMF Jacques Francoeur, SINOW USA John Kiff: Self, Industry Expert, former IMF

An event of the Digital Currency Global Initiative



Organized jointly:



Future of Digital Currency Initiative



ITU DCGI - One DC Type Vision







Kiffmeister's DC Policy Taxonomy

?	Retail CBDC	Wholesale CBDC	Synthetic CBDC	Bank and E-Money	Asset-Backed Stablecoins	Crypto-Assets
Denominated in jurisdiction's unit of account	V	V	V	V	V	
Backed by jurisdiction's monetary authority	V	V	V	?		
Issued by and direct liability of jurisdiction's monetary authority	V	V				
Broadly accessible to the public for general- purpose usage	V		?	?	?	?
Available 24/7 and may be used in peer-to- peer (P2P) transactions	V	B2B	?	?	?	V
Subject to same rules and regulations as the jurisdiction's other units of account	V	V	?			
Legal tender?	?	?	?	?	?	?
Runs on Distributed Ledger Technology	?	V	?	?	V	V



Ontology Notions & Distinctions

The Ontology Notion & Distinction Matrix (OND) describe <u>all</u> Digital Currency Types (DCT)

ID	Digital Currency Type Ontology Notions
01	Supply
02	Value
03	Own
04	Agree
05	Record

Distinctions provide options, choices impact **architecture & technology** of the DC Type

One unique DCT is defined by the ONM when distinction choices are selected

Change one choice, the DC Type changes

, ID 1	Supply (of DCT Units)
1.1 1.1.1	Change Mechanisms Increase Supply
1.1.1.1 1.1.1.2	Issuer Policy Algorithmic [Programmatic]
1.1.1.3 1.1.1.4	Oracle Voting
1.1.1.5 1.1.2	None Decrease Supply
1.2 1.2.1	Form Claim-based Form
1.2.2	Object-based Form Properties
1.3.1 1.3.1.1	Programmability Multi-Function: Specific Purpose
1.3.1.1.1 1.3.1.1.2	Use Constrained Denomination Adjustable
1.3.1.1.3	Single Function: None: Non-Programmable: Single Function Fungibility
1.3.2.1 1.3.2.2	Full Restricted
1.3.2.3	Not Representation
1.3.3.1	Restricted: represent only some forms of value, e.g. Extrinsic Utility Value
1.4	inherent
1.4.1.2	Mandated Mandated
1.4.1.4	Voluntary
2.1	Value Of DC1 Units)
2.1.1 2.1.1.1	Intrinsic (Inherent) Mechanism Tokenization of Inherent Value: beyond Utility, Token Economies, meritocratic (peer value)
2.1.2 2.1.2.1	Extrinsic (Derived) Mechanism Determined by Market Supply & Demand
2.1.2.2 2.1.2.2.1	Determined by External Backing Mechanism "Secured" by Lock-in (On-Chain)
2.1.2.2.2 2.1.2.3	"Secured" by Escrow (custodianship Intermediary) Backing Collateral Type
2.1.2.3.1 2.1.2.3.2	Commodity Securities
2.1.2.3.3 2.1.2.3.4	Digital Currency Digital Asset
2.1.2.3.5 2.1.2.3.6	Keserves None (Credit)
2.1.2.4 2.1.2.4.1	CURRENT Forder
2.1.2.4.2 2.1.2.4.3	Value Router
2.2	Varie ognaviors Increase in Value Instance on DCT Amount Causa Instance
2.2.1.1 2.2.2	Interess infectionism on DLL i Amount saved övertime Decrease in Value Een mechanism (DLC Activity Een) - Sonider Value for Eng
2.2.2.1 2.2.2.2 2.2.2.2	ree metriamismin poc Activity Freel + Service Value For Fee Tax (DCT Amount Saved x%) No Value from -Value Description L-interest cate). Inflation
2.2.3	No Change in Value
2.3.1	Immediate
2.3.2	Conditional
2.4.1	Fix Supply Value, Float DCT Units
2.4.2	Fix Supply Value, Fix DCT Units
3	Own (DCT Amount Value)
3.1 3.1.1	Proof-of-Identity Identification - does the ID exist, is it required (No = Anonymity)
3.1.2 3.1.2.1	If needed, Authentication - how do I make sure that ID is you Authentication to >> Degree
3.1.3 3.2	Authorization - you get assigned rights (See Supply: DCT Units Rights - Proof-of-Control
3.2.1 3.2.1.1	Direct Control Verify Validate
3.2.1.1.1 3.2.1.2	Vetted Verified: Verify-as-a-Service Send Validate
3.2.1.2.1 3.2.2	Exercise: Send Verified Indirect (Custodial) Control
4.1	Agree (on DCT Amount Value) Agreement Elements
4.1.1 4.1.1.1	Participants: Parties By-lateral
4.1.1.2 4.1.2	Multi-lateral Smart Contract T & C as code
4.1.2.1 4.2	Off Chain Oracles: Validated Data Sources Value Liability
4.2.1 4.2.1.1	Direct Liability Public Direct Liability
4.2.1.2	Private Direct Liability Indirect Liability
4.2.2.1 4.2.2.2	One Degree-of-Separation Intermediary Two Degree-of-Separation Intermediary
4.2.2.3 4.2.3	Three Degrees-of-Separation Intermediary Insured Liability
4.4	Agreement Outcomes
4.4.1.1	Change in Ownership of DC Amount Change or restrictions in DCTU Rights governing DCT Amount.
4.4.2	Known Outcome Fixed Outcome: Single Result Known Before
4.4.2.2 4.4.2.3	Variable Outcome, Result Unknown Conditional: If/Then/Else: Do Result
4.5	Agreement Bi-Participant Activity
4.5.1	Transfer [DCTA from DCT 2 Closystem Internal, DDCh Part(clpants Internal to ecosystem Transfer [DCTA from DCT 2 close 1 and 2 which is in same DCTE1 by definition] 2 state changes
4.5.1.1.1 4.5.1.1.2	Jource - Transfer: UCT1 Amount removed from Sender UCT1 Store 1 (in DCT1E remove DCT1A from DCT1S1) Destination "+" Transfer: DCT1 Amount added to Receiver DCT1 Store 2 (DCT1E, + DCT1A to DCT1S2)
4.5.2 4.5.2.1	Inter Ecosystem: DC11 Ecosystem to Outside Ecosystem, one Participant external to ecosystem Transact [Using DC11 Buyer to transact for Digital Asset, Physical Asset, Digital Currency]
4.5.2.1.1 4.5.2.1.1.1	Digital Asset Transaction Source Transfer: Remove DCT1 Amount from Buyer DCT1 Store 1 (in DCT1E remove DCT1A from DCT1S1)
4.5.2.1.1.2 4.5.2.1.1.3	Agree: Digital Asset Value Normalization: DCT1A/DA-V (set by Owner) = 1 accept, < 1, reject Destination Transfer: Add DCT1A into Seller DCT1S2
4.5.2.1.1.4 4.5.2.1.2	Send Digital Asset to Buyer Physical Asset Transaction
4.5.2.1.1.1 4.5.2.1.1.2	Source Transfer: Remove DCT1 Amount from Buyer DCT1 Store 1 (in DCT1E remove DCT1A from DCT1S1) Agree: Physical Asset Value Normalization: DCT1A/PA-V (set by Owner) = 1 accept, < 1, reject
4.5.2.1.1.3 4.5.2.1.2.1	Destination Transfer: Add DCT1A into Seller DCT1S2 Send Physical Asset to Buyer
4.5.2.1.3 4.5.2.1.1.1	Source Transfer: Remove DCT1 Amount from Buyer DCT1 Store 1 (in DCT1E remove DCT1A from DCT1S1)
4.5.2.1.1.2 4.5.2.1.1.3	Digital currency value Exchange Rate: DCL1-UV/DCL2-UV Destination Transfer: Add DCT2A into Buyer DCT2S1 DC
4.6.1	De Antionne Hanster Hornsburge Det stofe to Destination DET Store Paths Internal Path: Intra Ecosystem: DCTE Ecosystem Internal Local Path: collocated same Store Socie
4.6.2	External Path: Inter Ecosystem: DCT Ecosystem to Outside Cutodial Path: Insted Store Snare Listernal DC Store to External DC Store
4.6.2.1	Distributed Path (DCT1 Amount stored in a Distributed DCT Store)
5.1	Transaction Finality
5.1.1 5.1.2	Settle Now Settle Later
5.1.2.1 5.1.2.2	Asynchronous Process Hold
5.2 5.2.1	Opparte One Ledger Update
5.2.1.1 5.2.1.2	Centralized ledger/register Distributed validation and updating by consensus/agreement
5.2.2	Distributed validation and updating by consensus/agreement
5.2.2.1.1 5.2.2.1.2	rubiic/unpermissionea validators/updaters Permissioned validators/updaters Defin Indexe Informational Action and Action a
5.2.2.2 5.2.3	Vern wany Unterent Leagers, Interlinked: Cross chain Bridging None Indox DC Store Connectivities Where is the DC Store where is the destination of the store is the DC Store of the store is the DC Store of the store is the stor
5.3.1	Connected: Accessible - Hot (Online) Internal Storage
5.3.2	Disconnected: Inaccessible - Cold (Offline) Paner
5.3.2.1	r aper



All DC Types	ID	Digital Currency Typ Ontology Notions
can be	01	Supply
described by	02	Value
5 Ontology	03	Own
Notions	O 4	Agree
	05	Record

be

5 Ontology Notions describe all DC Types



ONTOLOGY NOTIONS **ALL RELATE TO** VALUE & OWNERSHIP

		DC1
All DC Types		Relations
can be	01	Supply - of DCT
described by	02	Value - of a DC
5 Ontology	03	Own - DCT An
Notions	04	Agree - on DCT
	05	Record - change

- **F** Ontology Notions
- ships with Unit -vs- Value
- Units
- T Unit
- nount of Value
- Amount of Value
- e in DCT Amount Value Ownership



Where Ontology Notions fit in DCT Perspectives



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DCT eCoSystem Implementation DCT eCoSystem Operation

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DCT eCoSystem Maintenance

Digital Currency Type eCo-System Security and Assurance Validation platform



Ontology Notions: Level 2 Distinctions

ID	Digital Currency
1	Supply (of DCT Un
1.1	Change Mechanisms
1.2	Form
1.3	Properties
1.4	Rights
2	Value (of DCT Uni
2.1	Value Determination
2.2	Value Behaviors
2.3	Supply Value Release
2.4	Supply Value Controls
3	Own (DCT Amoun
3.1	Proof-of-Identity
3.2	Proof-of-Control
4	Agree (on DCT Am
4.1	Agreement Elements
4.2	Value Liability
4.4	Agreement Outcomes
4.5	Agreement Bi-Participan
Λ	
4.0	DC Amount Transfer from
4.0 5	DC Amount Transfer from Record (Update D
4.6 5 5.1	DC Amount Transfer from Record (Update D Transaction Finality
4.6 5 5.1 5.2	DC Amount Transfer from Record (Update D Transaction Finality Update

Type Ontology Notions & Their Distinctions its)



t Value)

ount <mark>Value</mark>)

The Activity The Source DCT Store to Destination DCT Store Paths OCT Amount Value Ownership Change)

tivity



Ontology Notions: Level 3, 4 Distinctions

ID	Digital Currency
1	Supply (of DCT Un
1.1	Change Mechanisms
1.2	Form
1.3	Properties
1.4	Rights
2	Value (of DCT Uni
2.1	Value Determination
2.2	Value Behaviors
2.3	Supply Value Release
2.4	Supply Value Controls
3	Own (DCT Amoun
3.1	Proof-of-Identity
3.2	Proof-of-Control
4	Agree (on DCT Am
4.1	Agreement Elements
4.2	Value Liability
4.4	Agreement Outcomes
4.5	Agreement Bi-Participan
4.6	DC Amount Transfer from
5	Record (Update D
5.1	Transaction Finality
5.2	Update
5.3	Update DC Store Connec

	טו	Digital Currency Type Ontolo	ł	
Type Oi	ľ1	Supply (of DCT Units)	1.1	Change Mechanisms
i ype Oi	-	Supply (Checkenisms	1.1.1	Increase Supply
	1.1		1.1.1.1	issuer Policy Algorithmic [Programmatic]
	1.1.1	Increase Supply	1.1.1.3 1.1.1.4	Oracle Voting
	1.1.2	Decrease Supply	1.1.1.5	None Decrease Supply
	1.2	Form	1.2	Form
	1.2.1	Claim-based Form	1.2.2	Object-based Form
	1.2.2	Objec t-based Form	1.3 1.3.1	Properties Programmability
	1.3	Properties	1.3.1.1	Multi-Function: Specific Purpose
	1.3.1	Programmability	1.3.2	Fungibility
	1.3.2	Fungibility	1.3.2.1 1.3.2.2	Full Restricted
	1.3.3	Representation	1.3.2.3 1.3.3	Not Representation
	1.4	Rights	1.3.3.1	Generic: represent any form of value, Intrinsic or Extrinsic Restricted: represent only some forms of value, e.g. Extrinsic I Itility Value
	1.4.1	Inherent	1.4	Rights
	2	Value (of DCT Units)	1.4.1 1.4.1.1	Inherent Acceptance
	-	Value Determination	1.4.1.2 1.4.1.3	Mandated Mandated. with Exception
	2.1	Value Determination	1.4.1.4	Voluntary
_	2.1.1	Intrinsic (Innerent) Mechanism	2 2 1	Value (of DCT Units)
	2.1.2	Extrinsic (Derived) Mechanism	2.1.1	Intrinsic (Inherent) Mechanism
	2.2		2.1.1.1	Extrinsic (Derived) Mechanism
	2.2.1	Increase in Value	2.1.2.1 2.1.2.2	Determined by Market Supply & Demand Determined by External Backing Mechanism
	2.2.2	Decrease in Value	2.1.2.3	Backing Collateral Type
	2.2.3	No Change in Value	2.2	Value Behaviors
	2.3	Supply Value Release	2.2.1	Increase in Value
	2.3.1	Immediate	2.2.2	Decrease in Value
	2.3.2	Gradual	2.2.2.1 2.2.2.2	Fee mechanism (DC Activity Fee) + Service Value for Fee Tax (DCT Amount Saved x%) No Value from -Value
	2.3.3	Conditional	2.2.2.3	Depreciation (- interest rate), Inflation No Change in Value
	2.4	Supply Value Controls	2.3	Supply Value Release
	2.4.1	Fix Supply Value, Float DCT Units	2.3.1 2.3.2	Immediate Gradual
	2.4.2	Float Supply Value, Fix DCT Units	2.3.3	Conditional Supply Value Controls
	2.4.3	Fix Supply Value, Fix DCT Units	2.4.1	Fix Supply Value, Float DCT Units
	2.4.4	Float Supply Value, Float DCT Units	2.4.2 2.4.3	Float Supply Value, Fix DCT Units Fix Supply Value, Fix DCT Units
	3	Own (DCT Amount Value)	2.4.4	Float Supply Value, Float DCT Units
- Value)	3.1	Proof-of-Identity	3.1	Proof-of-Identity
	3.1.1	Identification - does the ID exist, is it rea	C ^{3.1.1}	Identification - does the ID exist, is it required (No = Anonymity)
	3.1.2	If needed, Authentication - how do I ma	3.1.2 3.1.2.1	Authentication to >> Degree
	3.1.3	Authorization - you get assigned rights (3.1.3	Authorization - you get assigned rights (See Supply: DCT Units Rights - Proof-of-Control
	3.2	Proof-of-Control	3.2.1	Direct Control
	3.2.1	Direct Control	3.2.1.2	Send Validate
	3.2.2	Indirect (Custodial) Control	3.2.2	Indirect (Custodial) Control
	4	Agree (on DCT Amount Value)	4.1	Agreement Elements
	11	Agreement Elements	4.1.1 4.1.1.1	Participants: Parties By-lateral
	1 1 1	Participants: Parties	4.1.1.2	Multi-lateral
	4.1.1	Smart Contract T & C as code	4.1.2	Off Chain Oracles: Validated Data Sources
	4.1.2	Value Liebility	4.2 4.2.1	Value Liability Direct Liability
	4.2	Direct Linkility	4.2.1.1	Public Direct Liability
	4.2.1	Direct Liability	4.2.1.2 4.2.2	Indirect Liability
	4.2.2	Indirect Liability	4.2.2.1 4.2.2.2	One Degree-of-Separation Intermediary Two Degree-of-Separation Intermediary
	4.2.3		4.2.2.3	Three Degrees-of-Separation Intermediary
	4.4	Agreement Outcomes	4.2.3	Agreement Outcomes
	4.4.1	Ownership Impact	4.4.1 4.4.1.1	Ownership Impact Change in Ownership of DC Amount
	4.4.2	Known Outcome	4.4.1.2	Change or restrictions in DCTU Rights governing DCT Amount.
	4.5	Agreement Bi-Participant Activity	4.4.2	Fixed Outcome: Single Result Known Before
t Activity	4.5.1	Intra Ecosystem	4.4.2.2 4.4.2.3	Variable Outcome, Result Unknown Conditional: If/Then/Else: Do Result
	4.5.2	Inter Ecosystem	4.5	Agreement Bi-Participant Activity
	4.6	DC Amount Transfer from Source DCT Store	e ^{4.5.1} 4.5.1.1	Intra Ecosystem: DCT1 Ecosystem internal, both Participants internal to ecosystem Transfer [DCTA from DCT Store 1 and 2 which is in same DCTE1 by definition]: 2 state changes
n Source Du	4.6.1	Internal Path: Intra Ecosystem: DCT1 Ec	C4.5.2	Inter Ecosystem: DCT1 Ecosystem to Outside Ecosystem, one Participant external to ecosystem Transact [Using DCT1 Buyer to transact for Digital Asset. Physical Asset. Digital Currency]
	4.6.2	External Path: Inter Ecosystem: DCT1 E	5	Record (Update DCT Amount Value Ownership Change)
	5	Record (Update DCT Amount V	5.1 5.1.1	Transaction Finality Settle Now
	5.1	Transaction Finality	5.1.2	Settle Later
	5.1.1	Settle Now	5.1.2.1	Asynchronous Process Hold
	5.1.2	Settle Later	5.2 5.2.1	Update One Ledger Update
	5.2	Update	5.2.1.1	Centralized ledger/register
	5.2.1	One Ledger Update	5.2.1.2	More than One Ledger Update
	5.2.2	More than One Ledger Update	5.2.2.1 5.2.2.2	Distributed validation and updating by consensus/agreement DeFi: Many Different Ledgers, Interlinked: Cross chain Bridging
	5.2.3	None	5.2.3	None
	5.3	Update DC Store Connectivity	5.3.1	Connected: Accessible - Hot (Online)
tivitv	5.3.1	Connected: Accessible - Hot (Online)	5.3.1.1 5.3.2	Internal Storage Disconnected: Inaccessible - Cold (Offline)
livily	5.3.2	Disconnected: Inaccessible - Cold (Offline)	5.3.2.1	Paper External Storage
			J.J.L.L	



Where Ontology Notions fit in DCT Perspectives



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DCT eCoSystem Implementation DCT eCoSystem Operation

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DCT eCoSystem Maintenance

Digital Currency Type eCo-System Security and Assurance Validation platform



Notion: Supply

1		
1.2	Form	
1.2.1	Claim-based Form	
122	Objec t-based Form	
±. <		
1.2.		
1.2		
1.2		

ID

Digital Currency Type Ontology Notions & Their Distinctions Supply (of DCT Units)

> 1 Supply **1.2: Form**

Claim-Based Object-Based



Notion: Value

	ID	Digital Cu
	2	
	2.1	Value Determination
	2.1.1	Intrinsic (Inherent) Mechanis
	2.1.1.1	Tokenization of Inheren
	2.1.2	Extrinsic (Derived) Mechanis
	2.1.2.1	Determined by Market S
	2.1.2.2	Determined by External
	21.2.2.1	"Secured" by Lock-ir
	2.1.2.2.2	"Secured" by Escrow
	212.3	Backing Collateral Type
	2.1.2.3.1	Commodity
	2.1 2.3.2	Securities
	2.1.2.3.3	Digital Currency
	2.1.2.3.4	Digital Asset
12	2.1.2.3.5	Reserves
	2.1.2.3.0	None (Credit)
	2.1.2.4	Collateral Factor
	2.1.2.4.1	Full (100%): 1
	2.1.2.4.2	Partial < 100%: 0
	2.1.2.4.3	Over: 1.x

urrency Type Ontology Notions & Their Distinctions Value (of DCT Units)

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It Value: beyond Utility, Token Economies, meritocratic (peer value)

Supply & Demand

Backing Mechanism

n (On-Chain)

/ (custodianship Intermediary)

0.#

2 Value **2.1: Value Determination**



Notion: **Own**

ID	Digital Currency Type Ontology
3	Own (DCT Amo
3.1	Proof-of-Identity
3.1.1	Identification - does the ID exist, is it required (No = Anony
3.1.2	If needed, Authentication - how do I make sure that ID is y
3.1.2.1	Authentication to >> Degree
3.1.3	Authorization - you get assigned rights (See Supply: DCT U
3.2	Proof-of-Control
3.2.1	Direct Control
3.2.1.1	Verify Validate
3.2.1.1.1	Vetted Verified: Verify-as-a-Service
3.2.1.2	Send Validate
3.2.1.2.1	Exercise: Send Verified
3.2.2	Indirect (Custodial) Control

Notions & Their Distinctions

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you

Inits Rights -



Digital Currency Type Ontology Notions & Agree (on DCT Amount Val

4 Agree: 4.4: Outcome

Change in Ownership of DC Amount

Change or restrictions in DCTU Rights governing DCT Amount.

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T.J	Л
	4.

Notion: Agree -Bottom section

	ID	Digital Currency I
	4	
	4.5	Agreement Bi-Participant Act
	4.5.1	Intra Ecosystem: DCT1 Ecosystem int
	1.5.1.1	Transfer [DCTA from DCT Store 1 and 2 v
	4.5.1.1.1	Source "-" Transfer: DCT1 Amount rer
	4.5.1.1 2	Destination "+" Transfer: DCT1 Amou
	4.5.2	Inter Ecosystem: DCT1 Ecosystem to
	4.5.2.1	Transact [Using DCT1 Buyer to transact f
	4.5.2.1.1	Digital Asset Transaction
	4 5.2.1.1.1	Source Transfer: Remove DCT1 Ar
	4.5.2.1.1.2	Agree: Digital Asset Value Norma
20	4.5.2.1.1 2	Destination Transfer: Add DCT1A
	4.5.2 1.1.4	Send Digital Asset to Buyer
7	4.5.2.1.2	Physical Asset Transaction
	4.5.2.1.1	Source Transfer: Remove DCT1 Ar
	4 5.0.1.1.2	Agree: Physical Asset Value Norm
	+.5.2 1.1 2	Destination Transfer: Add DCT1A
	4.5.2.1.2.1	Send Physical Asset to Buyer
F	4.5.2.1.3	Digital Currency Exchange
	4.5.2.1.1.1	Source Transfer: Remove DCT1 Ar
	4.5.2.1.1.2	Digital Currency Value Exchange
	4.5.2.1.1.3	Destination Transfer: Add DCT2A

ype Ontology Notions & Their Distinctions

Agree (on DCT Amount)

ivity

ternal, both Participants internal to ecosystem

which is in same DCTE1 by definition]: 2 state changes

moved from Sender DCT1 Store 1 (in DCT1E remove DCT1A from DCT1S1) int added to Receiver DCT1 Store 2 (DCT1E, + DCT1A to DCT1S2)

Outside Ecosystem, one Participant external to ecosystem for Digital Asset, Physical Asset, Digital Currency]

mount from Buyer DCT1 Store 1 (in DCT1E remove DCT1A from DCT1S1) alization: DCT1A/DA-V (set by Owner) = 1 accept, < 1, reject into Seller DCT1S2

mount from Buyer DCT1 Store 1 (in DCT1E remove DCT1A from DCT1S1) nalization: DCT1A/PA-V (set by Owner) = 1 accept, < 1, reject into Seller DCT1S2

mount from Buyer DCT1 Store 1 (in DCT1E remove DCT1A from DCT1S1) Rate: DCT1-UV/DCT2-UV into Buyer DCT2S1

4 Agree: 4.5: Bi-Participant Activity



DC Type Conservation of Supply Model

Change in DC Supply

Create

Addition of DCT Units to available supply Subtraction of DCT Units from available supply DEStroy

Move DCT Amount From Source DCT Store to Destination DCT Source





Subtract "-" Origin-Amount From Source-Store "concurrently" Add "+" Origin-Amount To Destination-Store







Notion: Record



John jumps in here in first pass through slides. John comes back here from #23-24 to illustrate how CBDC fits

Digital Currency Type Ontology Notions & Their Distinctions Record (Update DCT Amount Value Ownership Change)

5: Record, **5.2 Update**





Next Steps:

