

Steven J. McGee Distributed Systems Architect / Consultant / Patent Applicant



Coding programmable \$\$\$, Economy standing on shoulders of giants

Current: Distributed Systems Architect, Patent Applicant – self employed, self directed

June 2004 – March 2018 Simple Always Wins Concepts LLC SAW Concepts LLC (dissolved)

Defense Contractor for Validity Systems, SAIC x 2, MITRE, BAE Systems 1996 – 2002

Masters of Science Information Systems Western International University 3.85 GPA 93 - 96

B.A. Psychology, Business Concentration Indiana University of Pennsylvania 1978 - 1992

United States Army Signal Corps Officer 11 years 82 – 93 / ROTC Full Scholarship Recipient

Presenter: International Conference Complex Systems ICCS New England chapter 2006

June 2003 – Present: Patent applicant USPTO 13/573,002: The Heart Beacon Cycle Time – Space Meter Adaptive Procedural Template (checklist of tools, processes, platforms, protocols... useful to form Distributed Autonomous Groups DAGS synchronized in time – space

USPTO 13/573,002: Adaptive Procedural Template foundation tech list for net, net of \$, economy. System of systems structured data exchange brevity codes - message sets telemetry syntax lexicon mapped to A.I., IoT symbols for human man-machine interface

Foundation technology for programmable \$\$\$ money is being asserted by Banks / tech firms who are forming teams to assert they established foundation technology pursuant to securing IP intellectual property patent claims in DeFi / programmable money.

SCOTUS Alice Vs CLS Bank “Alice in Wonderland” ruling "claims may not direct towards abstract ideas". USPTO 13/573,002 The Heart Beacon Cycle Time - Space Meter = Patent type: Adaptive Procedural Template Framework: checklist: ideas, algorithms, processes, procedures, metrics, meters, signal & telemetry structured data for consistent Eco sustainable economic time cycle epochs for programmable \$ / economy / Net, Net of money foundation technology for DeFi, programmable internet, internet of money.



USE CASE: Banks - Tech firms are forming teams to assert foundation tech as a legal basis for #IP intellectual property claims for programmable \$\$\$ #DeFI

Use Case: Tokenize Europe 2025 initiative: reuse DoD / NATO's structured data brevity

OPSCODES mapped to 2525A, B, C, D symbols needed for A.I. man-machine interface

Reuse, modify 300 + Use Case message set templates data element FFIRNs FFUDNS

or, redo a time, people intensive process that took decades to create, test and refine.



Figure 2 Improvements as the basis of invention to U.S. Army CECOM Communication Electronics Command's "greatest invention" distributed systems dashboard structured data exchange framework as swords to plowshare use cases for economic reset, climate change sustainable development incentives, stable coin Fed-World Coin. It is TIME to stand on the shoulders of giants to achieve common synchronized goals.

The Heart Beacon Cycle Time - Space Meter is an Adaptive Procedural Template Framework checklist of ideas, algorithms, processes, procedures, metric, meters, signal & telemetry framework establishing consistent time cycle epochs for the global economy.

Foundation tech is Communications Electronics Command Fort Monmouth's Greatest Invention based on system of systems engineering, structured data exchange. The basis of an invention can be an improvement (s). TITLE: USPTO 13/573,002 The Heart Beacon Cycle Time - Space Meter / Eco sustainable Economic Epoch Heartbeat Patent application type: Adaptive Procedural Template: checklist of tools, processes, procedures, algorithms.. used by a Trade Federation / DAO Distributed Autonomous Organization. Focus is spatial, temporal interoperability, synchronization, stochastic harmonization across time zones. The world currency / economy will be coded how?

USE CASE: System of systems OPSCODE brevity code structured data exchange message sets syntax lexicon telemetry mapped to A.I. symbols. Adaptive Procedural Template foundation tech list for net, net of programmable \$\$\$, IOT...

IF climate change causes a drop in crop commodities by 20–25 % while population grows, THEN this condition will become a matter of national security. THEN this will require revisiting Belgian Economist Bernard Lietaer's TRC Trade Reference Currency ELSE face chaos by not leveraging proven system of systems & tactics.



FIGURE 3: Foundation tech viewed through the lens of the “Alice in Wonderland” ruleing

Mega banks & FINTECH corporations are forming teams to prove they have established / created foundation technology for programmable money i.e., Bitcoin, cryptocurrencies, DeFi

Q: What is foundation technology for the net, net of programmable \$\$\$ money - crypto – economy.

A: Foundation tech consists of:

1) Epoch time cycles 2) Syntax used / not during epoch time cycles.

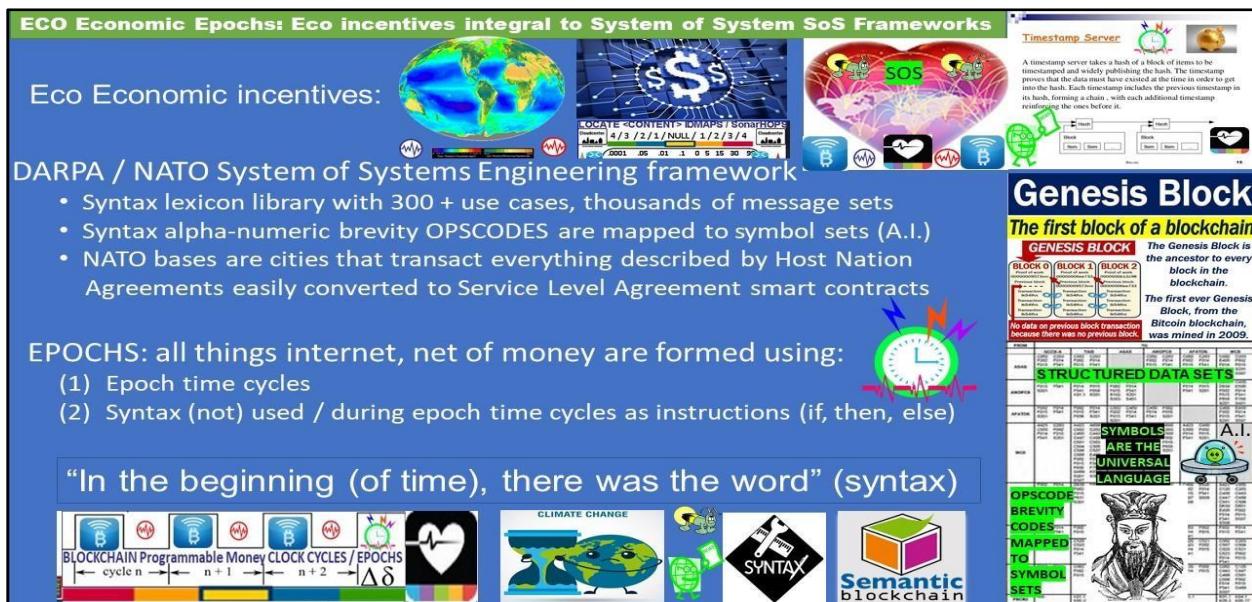


Figure 4 Foundation tech: Checklist of ideas, processes, procedures to achieve common goals

Teams are forming to win the DeFi Distributed Finance / programmable \$\$\$ money IP Intellectual Property wars. The winning team will prove that their IP intellectual property filings established.

Foundation tech described through the lens of SCOTUS 2014 "Alice in Wonderland" ruling? "Claims may not direct towards abstract ideas"

THESIS: All things internet, internet of programmable money are formed using:

1. Time epochs created by oscillating quartz crystal silicon chips
2. Syntax used / not used as programming instructions during epoch time cycles

THESIS SUMMARY: All things internet, net of money blockchains are formed by unicast, multicast, anycast protocols. Programmable money's improvements are in cryptography. Blockchains are formed by unicast, multicast, anycast and workflow filters. Programmable money's improvements are in cryptography. Internet 3.0 and the new web will be based on the original structure described by Stanford University. There are no packets, frames, layers, blocks, shards, graphs, hash graphs "bots", "motes", ... or Satoshi's traversing the net, stored in a blockchain cube. Transactions are unicast, multicast, or anycast (workflow). The afore mention terms are non-existent fabrication.

We need an Eco sustainable Economic Heartbeat with incentives systemically coded into the programmable economy applying consistent time - space metrics, meters and a syntax lexicon library. The German military made a suggestion circa 2003 namely OOTW Operations Other Than War of use of Battlefield Digitization for humanitarian relief, digital dashboards displaying updates to an EIN Earth Intelligence Network drawn from a system of distributed systems.



Figure 5: Eco Economic Heartbeat / Adaptive Procedural Template (checklist)

USPTO 13/573,002 Checklists (adaptive procedural template in patent application parlance) are visually boring and do not capture attention so this graphic is a picture comprised of symbols and graphics of a checklist of useful tools, procedures, processes, algorithms, ideas that a trade federation would agree to use to achieve, maintain their goals of the trade federation.

USPTO 13/573,002 HEART BEACON CYCLE ADAPTIVE PROCEDURAL TEMPLATE
USE CASES:

1. Eco sustainable Economic Heartbeat / Programmable Economy Namespace
 2. Distributed Autonomous Organization DAO support. The term DAO was coined by military think tank RAND Corporation circa 2001. Military's always operate as organizations. NATO operations are usually distributed across many time zones and involve language translations.
 3. Common signaling, telemetry, symbol, and data element sets help DAO's stay synchronized. Joining autonomous trade federations using agile, adhoc [NetOps](#) is an option to formal merger.

4. Support federations: from Latin: foedus, gen.: foederis, covenant characterized by a union of partially self-governing states or regions under a central (federal) government.
5. Spatial econometrics. Geo-spatial, temporal metrics and meters will be universally consistent and synchronized across time zones. Micro to macro-cycle updates
6. Universal Time Zone UTZ proposal using via improvement to the University of Bologna / Hungary's firefly inspired heartbeat synchronization algorithm by matching the firefly synchronization pulse to the closest OPTEMPO Heart Beacon Cycle.
7. The "Grail" A sync'd shared situational awareness view among a system of systems showing statistical mean value indexes can be achieved by reuse of improved net centric warfare methods joined with establishing a universal event bus using fireflyinspired heartbeat synchronization
8. Supreme Court Alice Corp Vs CLS Bank compliant universal memes describe sync delta cyclic changes describes linear sequential, geo-spatial temporal intensity radius hop count econometric metrics and meters where closer is shorter and closer is faster, less fuel, less carbon credits contributing to eco-sustainable goals
9. Algorithmic regulation: firefly inspired heartbeat synchronization algorithm in stocks, currency exchanges is a segue to algorithmic regulation. Improving temporal trade parity between Bitcoin Blockchain & conventional stock exchanges by using the firefly-heartbeat algorithm to take trade speed samples among trade populations across time zones to establish consensus among disparate trade protocols, optimal trade speed / frequency as a statistical mean. Define time intervals with discrete start, stop, TTL Time To Live trade windows using commands embedded within </108> heartbeats, heartbeat messages organic to all systems.
10. Supporting economist Milton Friedman's K% rule where a "FEDCOIN / WORLDICOIN currency could be derived from sampling lead economic indicators across a global, universal event bus applying the firefly-heartbeat algorithm tracking changes, updating statistical means
11. Big Data as the "Next Oil": Establishing a consistent <tag> context library / lexicon and time stamping data by organization <Org_ID> and by data class type and by resource type to form a universal syntax, code, date element, tag Rosetta Stone and reference for coders, programmers.
12. Universal meme metaphor for programmers given all things internet are formed using time cycles / syntax as instructions i.e., universal blockchain meme mediation

"The economy of imaginary wealth is being inevitably replaced by the economy of real and hard assets" Vladimir Putin



Figure 6: The Financial Nostradamus / FutureMan IP Intellectual Property fusion

Veritaseum builds blockchain-based, peer-to-peer capital markets as software on a global scale. "We enable seamless connection of parties and assets without the need for a third or authoritarian interest. Any entity with internet access can participate in these capital markets on a peer-to-peer and one-on-one basis. Veritaseum is a highly disruptive revolution in finance, investment and value. It uses blockchain technology, smart contracts and distributed computing to aid industries and entities suffering from high economic rents, undue friction and gross inefficiencies. thinking of Veritaseum as a vendor of new age (smart) contracts that enable the conditional transfer of value, you can fully grasp both the simplicity and the creatively destructive disintermediation that is Veritaseum. Access to our smart contracts are gained through the purchase of Veritas (VERI), the software token that represents prepaid fees for Veritaseum products and services. Through the possession of VERI, one can access and use our financial machines. Financial machines are multiple, chain-linked smart contracts designed to

replicate the functions of entire business divisions of industry, but at near zero margin and without balance sheet exposure, credit risk or counter-party risk.

Economic RESET is a mathematical certainty. Do we RESET the global system of systems as is or do we re-engineer our world using NATO / DOD system of systems engineering framework standing on the shoulders of giants (Edison, Dutch Economist Bernard Lietaer, Friedman) swords to plowshares? See Economist Bernard Lietaer's TERRA TRC



Figure 7: Nobel Prize Winning Economist's K% rule / USPTO 13/573,002 fusion

The K-Percent Rule was a proposal by economist Milton Friedman that the central bank should increase the money supply by a constant percentage every year. The K-Percent Rule was a proposal by economist Milton Friedman that the central bank should increase the money supply by a constant percentage every year. The K-Percent Rule proposes to set the money supply growth at a rate equal to the growth of gross domestic product (GDP) each year. In the United States, this would typically be in the range of 2-4%, based on historical averages.

The K-percent rule, proposed by economist and Nobel Prize winner Milton Friedman
Milton Friedman was an American economist who advocated for
freemarket capitalism. Friedman's free-market theories influenced economic, is a
monetary policy rule that requires central banks to increase the money supply
irrespective of the condition of the economy. Supporting economist Milton Friedman's
K% rule where a "FEDCOIN / WORLDCOIN currency could be derived from sampling
lead economic indicators across a global, universal event bus applying the firefly-
heartbeat algorithm tracking changes, updating a statistical mean of a GDP commodity
index



Figure 8: UTZ Universal Time Zone stochastic harmonization, synchronization

The world's system of systems need to be time-space synchronized, stochastically harmonized across the one world, global UTZ Universal Time Zone via heartbeat messages using universally shared, standards based OPSCODE brevity codes drawn from a universal structured data exchange syntax lexicon with over 300 use case templates e.g., NATO's lexicon library. NIST's QRNB intent is to be interoperable with other QRNB's, therefore, this Max Planck Institute / Announcement is germane to a discussion

of a one world government / one world economic system of systems: distributed quantum computers – will need (UTZ Universal Time Zone) stochastic harmonization.

Universal Time Zone UTZ proposal using via improvement to the University of Bologna / Hungary's firefly inspired heartbeat synchronization algorithm by matching the firefly synchronization pulse to the closest OPTEMPO Heart Beacon Cycle.



Figure 9 NIST Quantum Random Number Beacon / USPTO 13/573,002 fusion

The programmable #economy will be anchored by quantum computing NIST's Quantum Random Number Beacon combined with the Heart Beacon Cycle Time – Space Meter Adaptive Procedural Template checklist. Non-repudiation of events / transactions at any time, space, place in the future will be expected and required by end users and governments.

Programmable #money / #economy... gold, #Bitcoin as “digital gold” — fool’s #gold? How will programmable money for the programmable economy be coded? A one world #currency needs a stochastically harmonized, synchronized Universal Time Zone UTZ / event bus

The NIST Randomness Beacon Broadcasts a randomness pulse every 60 seconds Each pulse commits to a fresh 512-bit random string Each pulse is time-stamped and signed. Beacon periodically outputs a pulse containing 512 fresh random bits, time-stamped, signed and

hashchained. For example, each pulse also pre-commits to the randomness to be released in the next pulse. The latter enables users to securely combine randomness from different beacons. The Beacon protocol also specifies the interface for users to interact with the Beacon to obtain information about past pulses. A randomness beacon produces timed outputs randomness

Bretton Woods Three: @26:37 "we are entering a system called Bretton Woods Three: a system dominated by #COMMODITIES" statement by former Federal Reserve Board member.

Youtube: <https://lnkd.in/eN4vGP58> #commodities #gold #currency #reset #CBDCs

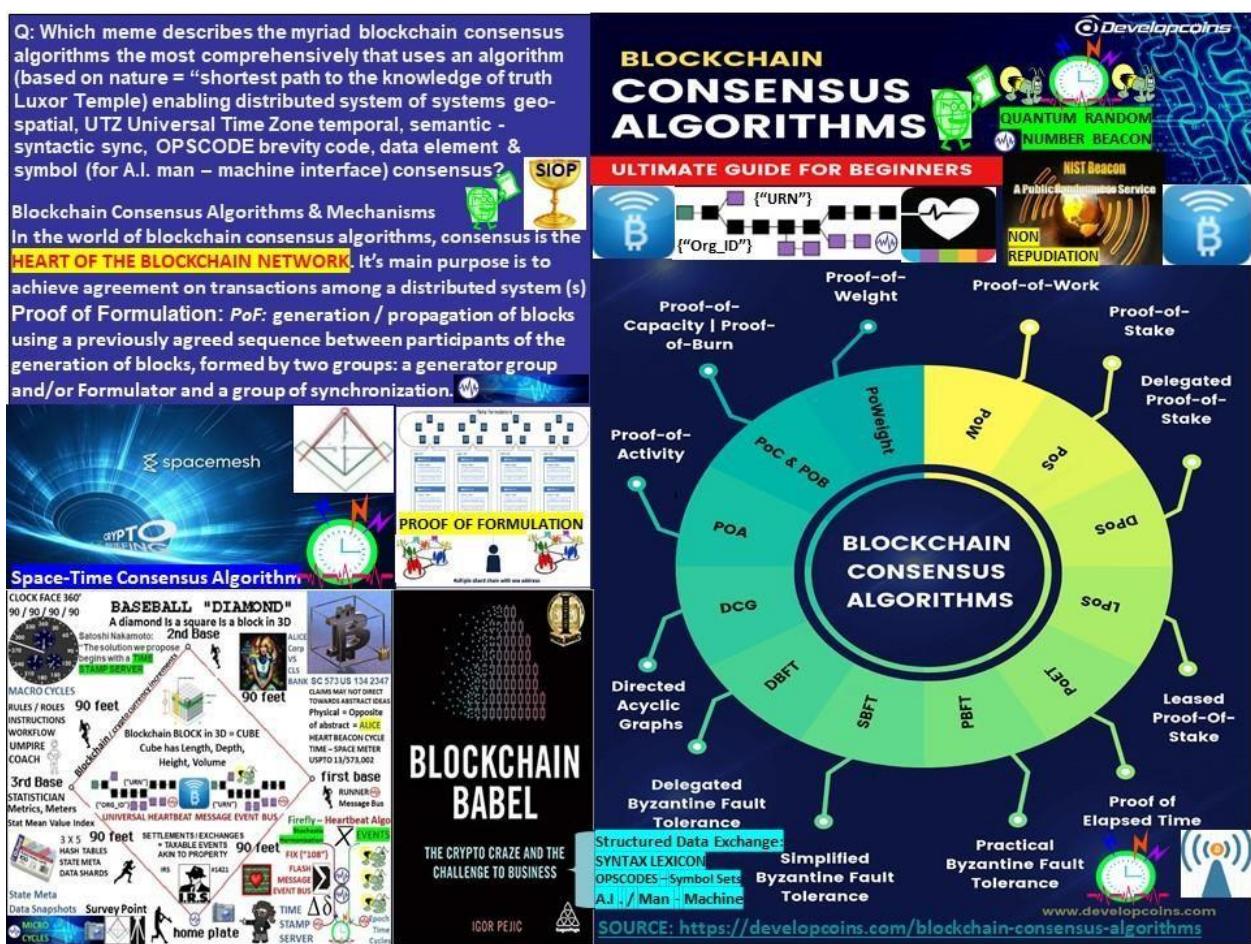


Figure 10: universal meme / metaphor for myriad blockchain algorithm memes

Bitcoin blockchain blocks, agents, motes, bots, heartbeat, beacon are metaphors for intervals, time cycles available to process / not process SYNTAX. The internet is coded, programmed using time cycles to process instructions, commands etc. It follows that the key to achieving consistency, interoperability among myriad memes and establishing a consistent, systemic one world economic system of systems is to focus on two main common building blocks—time cycles and syntax parsed as instructions. Given crypto blockchain myriad memes, metaphors "hashgraph" "Ether gas", we are creating new data elements in new syntax lexicons. DoD / NATO's structured data exchange (mapped to symbol sets for A.I - man - machine interface) took

decades to achieve consensus -why reinvent the wheel? SOURCE:

[http://en.wikipedia.org/wiki/SIMPLE_\(military_communications_protocol\)](http://en.wikipedia.org/wiki/SIMPLE_(military_communications_protocol))



Figure 11: DeFi / Fintech / Cryptocurrency IP wars Foundation Technology

Banks & Tech firms are forming teams to establish foundation technology for DeFi, programmable money \$\$\$ to establish a legal basis for IP intellectual property patent law claims. Teams may want to reference SCOTUS Alice Corp Vs CLS Bank 2014 "Alice in Wonderland ruling" that states "claims may not direct towards abstract ideas". Physical = opposite of abstract

Alice Corporation Vs CLS Bank SCOTUS 2014 Ruling [LINK](#)

Alice Corp. v. CLS Bank International, 573 U.S. 208 (2014), was a 2014 United States Supreme Court^[1] decision about patent eligibility.^[2] The issue in the case was whether certain patent claims for a computer-implemented, electronic escrow service covered abstract ideas, which would make the claims ineligible for patent protection. The patents were held to be invalid because the claims were drawn to an abstract idea, and implementing those claims on a computer was not enough to transform that abstract idea into patentable subject matter.

Github <http://github.com/Beacon-Heart> Substack:

<https://stevenmcgee.substack.com/>

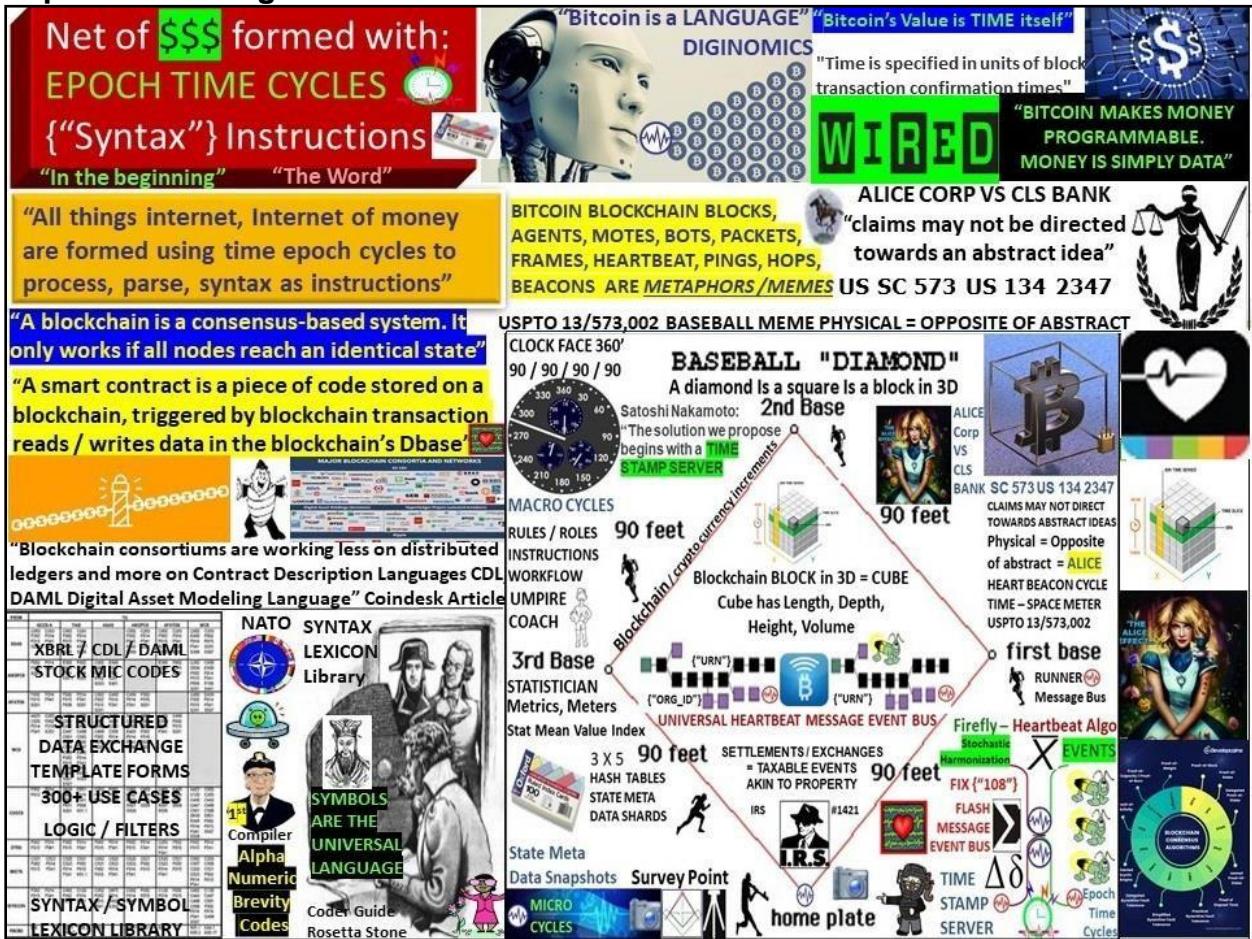


FIGURE 12 SCOTUS Alice Corp Vs CLS Bank “claims may not direct towards abstract ideas”

Bitcoin blockchain blocks, agents, motes, bots, heartbeat, beacon are metaphors for intervals, time cycles available to process / not process SYNTAX. The internet is coded, programmed using time cycles to process instructions, commands etc. It follows that the key to achieving consistency, interoperability among myriad memes and establishing a consistent, systemic one world economic system of systems is to focus on two main common building blocks -- time cycles and syntax. Alice Corp. v. CLS Bank International, 573 U.S. 134 S. Ct. 2347 (2014), United States Supreme Court decision about patentable subject matter (patent eligibility). The patents were held to be invalid because the claims were drawn to an abstract idea and implementing those claims on a computer was not enough to transform that idea into patentable subject matter. In our opinion, physical is the opposite of abstract.

Alice Corp. v. CLS Bank International, 573 U.S. 208 (2014) compliant ruling “claims may not direct towards abstract ideas”. Physical (baseball meme) is the opposite of abstract

[LINK](#) WIKIPEDIA: https://en.wikipedia.org/wiki/Alice_Corp._v._CLS_Bank_International



FIGURE 13: FIREFLY HEARTBEAT SYNCHRONIZATION / World Economic Heartbeat

Firefly inspired Heartbeat Synchronization: in a paper entitled Firefly-inspired Heartbeat Synchronization in Overlay Networks by the University of Bologna Trento Italy along with the University of Szeged, Hungary: “Heartbeat synchronization strives to have nodes in a distributed system generate periodic, local “heartbeat” events approximately at the same time. The heartbeat synchronization protocol for overlay networks is inspired by mathematical models of flash synchronization in certain species of fire flies. Nodes send flash messages to their neighbors when a local heartbeat triggers. Fireflies adjust the phase of their next heartbeat based on incoming flash messages using an algorithm inspired by mathematical models of fire-fly synchronization. Heartbeat synchronization strives to have nodes in a distributed system generate periodic, local “heartbeat” events approximately at the same time. It differs from classical clock synchronization in that nodes are not interested in counting cycles and agreeing on a ID of a current cycle. There is no requirement regarding the length of a cycle with respect to real time as long as a length is bounded, and all nodes agree on it eventually.”

Use Case: Economic Reset solution: form economic trade federations incentivizing environment friendly business practices leveraging Bitcoin's micro-payment capabilities supporting the TERRA Trade Reference Currency TRC demurrage handling charge. Closer is cheaper, less fuel, < C02 carbon emission in smart contract Service Level Agreements.



FIGURE 14: TERRA Trade Reference Currency / Crypto micro payment Demurrage fees

Nobel Prize winning Economist Milton Friedman's K% rule is what I call an "economic heartbeat" K-Percent Rule. DEFINITION of 'K-Percent Rule'. The K-Percent Rule was a proposal by economist Milton Friedman that the central bank should increase the money supply by a constant percentage every year. The K-Percent Rule proposes to set the money supply growth at a rate equal to the growth of real GDP each year. K-Percent Rule— Investopedia <http://www.investopedia.com/terms/k/k-percent-rule.asp>

Economic **RESET** is a mathematical certainty. Do we **RESET** the global system of systems as is or do we re-engineer our world using NATO / DOD system of systems engineering framework standing on the shoulders of giants (Edison, Lietaer, Friedman) swords to plowshares?

IF climate change causes a drop in crop commodity by 20–25 % while population grows, **THEN** this condition will become a matter of national security. **THEN** this will require revisiting Belgian Economist Bernard Lietaer's TRC Trade Reference Currency **ELSE** face chaos by not leveraging proven system of systems & tactics

Satoshi Nakamoto's Bitcoin key building block is a time stamp server. **Satoshi Nakamoto:** "Bitcoin is intended to be paired with the market place" "the blockchain stores references to market indexes" Thomas Edison's Monetary Option:

LINK: <https://www.supermoney.com/2014/06/thomas-edisons-view-money/>

Demurrage: term used in currency trading to denote cost of currency ownership and/or storage. cost of carrying money... considered superior to interest payments, as it stimulates currency circulation and economic growth. “In a physical sense, demurrage represents a delay that occurs during the transportation of goods via truck. When this happens, the trucking firm delivering the product can opt to pay a flat fee to the receiver to cover any loss incurred as a result of the delay. This fee can be assessed on an hourly basis. Or in the case of gold, demurrage is simply the costs associated with storage of bouillon. LINK <https://investopedia.com/terms/d/demurrage.asp>



Figure 15: Nobel Prize Winning Economist Milton Friedman’s K % rule

Economist Milton Friedman predicted the rise of a computer capable of automatically adjusting the inflation rate of money. This is precisely what we see in the case of bitcoin, as a regulatory algorithm intelligently adjusts the mining difficulty to make the issuance of blocks more or less easy depending on the demand for network hashing power. No money system we have seen to date can claim it is chronologically regulated. The universal construct of time is the backbone of the cryptocurrency digital economy.

Investopedia K % Rule Source: <https://investopedia.com/terms/k/k-percent-rule.asp>

FROM	TO						CODE GUIDE
	GCCS-A	TAIS	ASAS	AMDPCS	AFATDS	MCS	
ASAS	C002 C203 F002 F014 F015 F541 S201 S309	C002 C203	C002 C203	C002 C203	C002 C203 F014 F541 S305 S309	C002 C203 E400 F002 F541 S201 S309 S507	
TOKENS	USMTF / XML MTF FORMATTED MESSAGE CATALOG = 300 + messages info exchange sets using common, CONSENSUS Message Text Formats MTFs. MTFs specify </CONTENT> / info agreed by group consensus presenting information in a logical, well specified unambiguous layout resulting in a highly efficient info payload to overhead ratio						
AMDPCS	OPSCODE BREVITY CODES	CONSENSUS Message Text Formats MTFs. MTFs specify </CONTENT> / info agreed by group consensus presenting information in a logical, well specified unambiguous layout resulting in a highly efficient info payload to overhead ratio					
AFATDS	F002 F014 F015 F541 S201	A.I. INFOCON 4 3 2 1 INFORMATION CONDITION					
MCS	 	A423 C203 C505 F002 F014 F015 F541 S201	A423 A659 C002 C203 C400 C443 C447 C488 C501 C503 C504 C505 C506 C507 C508 E400 F002 F014 F015 F541 F553 F756 G489 K01.1 S201 S303	A423 A659 A656 A690 C002 C203 C400 C505 F002 F014 F015 F541 S201	Rosetta Stone Syntax Lexicon Coder's Guide	A423 C505 F014 F541 S201	 "SYMBOLS RULE THE WORLD" 
		ASSET TOKENS Token Economy					
MESSAGE CATALOG	Data Elements: entity, attribute, relationship equivalents						HEARTBEAT MESSAGE = K00.99 </108> {“108”}
300 + Use Cases	Information Categories and Examples						
Object Categories	Examples	Location	Movement	Identify	Status	Activity	Intent
OOB	SYNTAX LEXICON	STRUCTURED DATA lat/long	EXCHANGE spd/hdg	Message country / alliance, type/class	Sets readiness	targeting, remonitoring	COA {"Java JS"}
Infrastructure	Comm, power, transportation, water/sewer	network, grid	Machine Trust Language MTI	throughput, flow rates.	name, part-of relationships	BDA, op levels	YAML repair, broadcasts, expansion plans
Sociological	Culture, religion, economic, ethnic, government, history, languages	temples, historic structures	ER Model Class Diagram	Relational Database Table	Object DBMS Class	XML DTD / Schema Element	TADILS Message
Geophysical	Terrain, weather, climatology, oceanography, astrometry	feature lat/long, alt/dpth	Attribute Attribute	Field / Column	Attribute Child Element or Element Attribute	DPI FFIRN / FPNI / FUDN	
		Domain Value PURCHASE CODES	Instance, Value			TOKENS DUI FUD	

Information Elements Roles

- COI Determination Org Interaction
 - Search and Discovery
 - Ontologies STANDARDS
 - Taxonomies REFERENCE
 - Metadata Attributes / Filters

(“Org_ID”){“URN”}</URN></URN> FILTERS





FFUDN: Field Format Unit Designator

FFIRN Field Format Index Reference #

Structured military messaging ID's
messages, message sets, data
element, symbol fields </108> 



PROCESS MESSAGE BY PRECEDENCE
UNIVERSAL EVENT / ALERT MESSAGE BUS

OPERATIONAL NODES / ACTIVITIES

DATA		SYSTEM FUNCTIONS		PERFORMANCE	
11.4 - Classification		11.5 - Kinematics			
11.4.1 - Category		11.8.1 - Pos / Vel / Acc (PVA)			
11.4.1.1 - Confidence Level		11.8.1.1 - Acceleration			
11.4.1.2 - Estimate Type		11.8.1.1.1 - Angular			
11.4.1.2.1 - Alternative		11.2 - Linear			
11.4.1.2.2 - Evaluated D	PURCHASE	1.1 - Estimate Type			
11.4.1.3 - Value	CODES	1.2 - Estimated			
		1.2.1 - Observed			
		1.2.2 - Predicted			
		1.3 - Specific Data			
SYMBOL	Friend	Neutral	Hostile		
2525C	Partner		Competitor		
11.4.1.3.5 - Surface			3 - Velocity		
11.4.2 - Platform / Point / Feature Type			4.1 - Horizontal		
11.4.3 - Specific Type			4.2 - Vertical		
11.4.4 - Type Modifier			V/A Confidence		
11.4.5 - Unit			1 - Bearing Angle		
			2 - Bearing Angle Rate		
			3 - Covariance Matrix		

Figure 16: Syntax Lexicon Library Rosetta Stone adapted swords to plowshare from NATO

Common syntax library of various Message Text Formats MTF to enable universal signaling / telemetry among a system of systems is ESSENTIAL. Decades of research at the taxpayer's expense into structured messaging / structured data exchange where the location, type of data identified by table number will help accelerate the process of organizing syntax into categories from disparate systems into data set reference repositories. Many semantic, syntax tags will be reusable. The rules, roles and logic developed by years of research involving of thousands of subject matter experts solving real world issues is the value to be extracted from 300+ message sets. NATO stays synchronized across many languages and cultures so why reinvent the wheel?

MESSAGE CATALOG: The USMTF message library has over 300 messages to choose from to facilitate information exchange requirements. MTFs presenting data in a logical, well specified and unambiguous layout. MTFs are transmission medium neutral. The content of the Message Catalogue has been developed by military operators over the last 20 years. Messages are regularly maintained to keep pace with the latest tactics and doctrine.

Military brevity codes and stock exchange codes are similar. security Identifier used in financial markets are: SYMBOL, CUSIP, ISIN, SEDOL, RIC Code, Syntax Lexicon Library



Figure 17: UTZ UNIVERSAL TIME ZONE STOCHASTIC HARMONIZATION / SYNC

We can synchronize ourselves, our cities, towns, cyber-communities in time — space for a common purpose: shared, common, ecologically sound, equitable... econometrics.

UNIVERSAL TIME - SPACE SYNCHRONIZATION: The Heart Beacon Cycle Time - Space Meter is intended to bridge humanity from our present condition to a higher consciousness described by Extra Terrestrial Groups and organizations like the Law of Time dot org with the Noosphere concept

"One people, one Earth, one Time": "The times we are living in require higher thinking. There has never in the history of the Earth been a time like this. We are now participating in what is called the biosphere-noosphere transition: When life on Earth evolves into an awakened planetary mind (noosphere)". See The Law of Time dot Org

IPFS Interplanetary File System Web3 web page. Specific browsers (Brave / Chrome) & extensions (Brave, Metamask...) are needed to view: #DAO #Web3 #IPFS Web3
<https://ecoeconomicepochs.dao/>



Figure 18: FEDCOIN / WORLD COIN Synchronization / stochastic harmonization

One world currency for the one world government will require financial events stochastically synchronized, harmonized across the world's time zones and will need to represent a value index of the world's GDP Gross Domestic Product METHOD: Use Thomas Edison's commodity backed index recommendation 1921, Milton Friedman's K % rule, Economist Bernard Lietaer's TERRA TRC Trade Reference Currency concepts in concert with the firefly-heartbeat algorithm developed by the University of Bologna, University of Hungary. Economic Reset solution: form economic trade federations incentivizing environment friendly business practices leveraging Bitcoin's micro-payment capabilities supporting the TERRA Trade Reference Currency TRC demurrage resource handling charge. Closer is cheaper, < fuel, less C02 carbon emissions.

IPFS Interplanetary File System Web3 web page Web3 page. Brave or Chrome browser with IPFS extensions needed to view.

Unstoppable Domains: <https://ecoeconomicepochs.dao/>



FIGURE 19: Contact Information

Github: <http://github.com/Beacon-Heart>

Telegram: <https://t.me/EcoEconomicEpochs>

Discord: [GDP_Index_Economy#6495](#)

Maven: <http://app.maven.co/profile/SHfEKnA9>

LINKEDIN: <https://www.linkedin.com/in/ecoeconepochs/>

FLOTE: https://folute.app/user/Heart_Beacon

Proton Email (secure) ecoeconomicepochs@protonmail.com

PIN INTEREST: <https://www.pinterest.com/EcoEconomicEpochs/>

WordPress: <http://ecoheartbeat.wordpress.com>

Substack: <https://stevenmcgee.substack.com/>

FACEBOOK: <https://www.facebook.com/beaconheart>

FACEBOOK: <https://www.facebook.com/HeartBeacon/>

MINDS: <https://www.minds.com/beaconheart/>

TWITTER: @Heart_Beacon https://twitter.com/Heart_Beacon

Skype: Steven McGee

Unstoppable Domains Domain: [https://ud.me/ecoeconomicepochs.dao](https://ud.me/ecoconomicepochs.dao)

ipfs://bafybeidw7a7a3gbnmzhnuziqaszxnvf2aytyq5bin7gsla7dsihf7t7zyu/ IPFS

https://ipfs.io/ipfs/QmcxT4cbLhkVTXPCdc7UtbmwbamVRaETwzXf2DNmiquTA?filename=Eco_Economic_Heartbeat_paper.docx



FIGURE 20: Blocktime Arbitrage



Figure 21: Victor Hugo time quote