

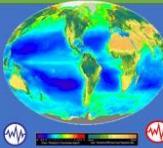


Eco Economic Epochs: Eco sustainable incentives for the programmable Economy - It's about TIME



Fig 1: Eco sustainable Economic Epochs coded into a systems of systems framework

ECO Economic Epochs: Eco incentives integral to System of System SoS Frameworks

Eco Economic incentives: 

DARPA / NATO System of Systems Engineering framework

- Syntax lexicon library with 300 + use cases, thousands of message sets
- Syntax alpha-numeric brevity OPSCODES are mapped to symbol sets (A.I.)
- NATO bases are cities that transact everything described by Host Nation Agreements easily converted to Service Level Agreement smart contracts

EPOCHS: all things internet, net of money are formed using:

- (1) Epoch time cycles
- (2) Syntax (not) used / during epoch time cycles as instructions (if, then, else)

"In the beginning (of time), there was the word" (syntax)



Fig 2: Eco sustainable incentives coded into a system of systems economic framework

TITLE: Eco Economic Epochs: Eco sustainable incentives for the programmable Economy
- It's about TIME

USPTO 13/573,002 : Adaptive Procedural Template (checklist):

USE CASE: Eco #Economic Epochs Time-Space Meter #ecology Eco incentives, consensus, interoperability, sync, stochastic UTZ Universal Time Zone harmonization for programmable money and the programmable economy.

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

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

INTERNET BUILDING BLOCKS: Time epochs / syntax are the two main internet, internet of money building blocks in coding the Artificial Intelligence A.I. powered economic system of systems / Earth Intelligence Network EIN / Web 3.0 and the programmable economy in terms of temporal consistency, interoperability, and consensus.

PROJECT BEACON: Reuse NATO's system of systems syntax lexicon OPSCODE brevity code structured data exchange, heartbeat micro to macro cycle Universal Time Zone UTZ sync to support an EIN Earth Intelligence Network neural net emulation. We have a

clear and present opportunity and responsibility to improve temporal, geo-spatial, syntactic - semantic consistency, interoperability among myriad programmable money memes among a federated, distributed system of systems

PROJECT BEACON: Code Eco sustainable incentives into the world's programmable economic system of systems engineering framework reusing / leveraging NATO systems of systems engineering best practice. Reuse OPSCODE brevity codes mapped to message symbol sets essential to Artificial Intelligence / human interaction (i.e., man — machine interface). The Heart Beacon Cycle Time - Space Meter USPTO 13/573,002 is an Adaptive Procedural Template: Use Case: Eco Economic Epoch Heartbeats for the programmable economy.

USE CASE: Code Eco sustainable incentives into programmable economic framework reusing / leveraging NATO systems of systems engineering best practice. Form federations of Distributed, Autonomous Organizations DAO communities, states, sovereign nations using an adaptive procedural template checklist promoting synchronization among geo-spatially and temporally dispersed groups using a common syntax – symbol set lexicon. Federated groups activities are synchronized geo-spatially across time - space to achieve synergy, synchronicity of events orchestrated from micro to macro cycles from grassroots to capitals.

1. Reuse OPSCODE brevity codes mapped to message symbol sets enabling Artificial Intelligence / human interaction (i.e., man — machine interface).
2. Apply lessons learned (bandwidth discipline, interoperability, OPTEMPO sync cycles... intrinsic to NATO SOP swords to plowshares following German military proposal use cases circa 2003.

SYSTEM OF SYSTEMS ENGINEERING: NATO has invested 30 years of mapping OPSCODE brevity codes to symbology / symbols / symbol sets contained in 300 plus message set / use cases as part of Battlefield digitization, Net Centric Warfare NET Enabled Operations NEO NETOPS. Blockchain, crypto currency developers are recreating, reinventing this decades old, tedious, time intensive, labor intensive, expensive structured data exchange... wheel. It may be stated that this project is a swords to plowshares initiative

PATENT APPLICATION USPTO 13/573,002 The Heart Beacon Cycle Time - Space Meter USPTO 13/573,002 is an adaptive procedural template / checklist of ideas, methods, processes, procedures, algorithms, tools... used to organize diverse peoples speaking many different languages through the universal language of symbols into Distributed Autonomous groups organized in time - space to achieve common goals among individuals organized into federated groups in DAO (s) Distributed Autonomous

Organizations - a RAND Corporation term (DoD funded Think Tank) circa 2001. Each item in the procedural template checklist links to detailed treatise (s)

The Heart Beacon Cycle Time - Space meter is a signaling, telemetry distributed systems engineering framework improving temporal, geo-spatial, semantic - syntactic sync & consensus among DAAE Distributed Autonomous Automated Economy system of systems reusing Battlefield Digitization, Net Enabled Operations engineering swords to plowshares . Eco sustainable incentives integral to an Economic system of systems SoS engineering framework used by NATO for decades. Digital Nations need an (Eco sustainable) Economic Heartbeat & a consistent syntax lexicon library. Crypto economics needs a universal syntax lexicon digital base Artificial Intelligence A.I., quantum blockchain heartbeat beacon to synchronize, sample tokenized commodities across a stochastically harmonized UTZ Universal Time Zone using the firefly-heartbeat algorithm

SWORDS TO PLOWSHARES: The Heart Beacon Cycle Time - Space meter is a swords to plowshares DAO Distributed Autonomous Organization project using NATO's Situational Awareness system of systems engineering framework, processes, procedures and internet building blocks to establish an Ecologically sustainable Economic Heartbeat, neural network emulation for the EIN Earth Intelligence Network and heartbeat sync pulse for a Universal Time Zone UTZ supporting a one world currency. It's syntax lexicon library of OPSCODE brevity codes used in programmable money, the programmable economy is descriptive of all things internet, internet of money down to the quantum computing, quantum blockchain level. We can synchronize ourselves, our cities, towns, cyber-communities in time — space for a common purpose: shared, common, ecologically sound, responsible econometrics.

COA Course of Action: reuse of over 300 NATO cases supported by hundreds of message sets described in spread sheet row - column format populated by thousands of brevity OPS CODES mapped to symbols essential to artificial intelligence man - machine interface. NATO bases are small cities that transact most goods, commodities with its host nation. Why reinvent the syntax lexicon Rosetta Stone wheel? This is a system of systems tool to accelerate an EIN Earth Intelligence Net – see Project #UNRIG for more information

DECISION POINT: Economic #RESET is a mathematical certainty. Do we RESET the global system of systems as is or will we re-engineer using NATO system of systems engineering standing on the shoulders of giants

1. CLIMATE CHANGE: IF / WHEN: Climate Change causes a drop in crop commodity food production by 20–25 % while population continues to grow, THEN it follows that this condition will become a matter of national security. It's TIME to

implement an Ecologically Sustainable Economic Heartbeat ELSE face > greater chaos by not leveraging proven system of system structured data exchange methods. An ecologically sustainable economic heartbeat is needed. Why wait until crisis, DEFCON 2 stage?

2. CLIMATE CHANGE: 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 >socio economic chaos TERRA Trade Reference Currency by Economist Bernard Lietaer

LINK <http://lietaer.com/2010/01/terra/>

ECO INCENTIVES: Ecologically sustainable economic transactions need to be incentivized among the world's Ecological and Economic system of systems. The world's 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

SPACE THE FINAL FRONTIER: Reuse of DARPA - NATO's structured data exchange that maps data element OPSCODES to symbol sets is key to Artificial Intelligence #AI man - machine interface, consensus, consistency among myriad #blockchain programmable #money memes, metaphors... Given space travel risks, navigation based on consciousness / telepathy (use of symbols not words), a consistent syntax lexicon to communicate with #UFO EBO's that are likely Artificial Intelligence AI drones is reuse of DARPA - NATO's structured data exchange that maps data element OPSCODES to symbol sets. Trade with E.T. / EBO's requires a consistent supply chain lexicon

NOBLE PRIZE WINNING ECONOMIST: Milton Friedman's K% rule is an "economic heartbeat". K-Percent Rule DEFINITION: The K-Percent Rule proposal by economist Milton Friedman was 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 / reduction 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>

INTERNET BUILDING BLOCK: HEARTBEAT ADMINISTRATIVE INTERFACE: SCOP Administrative Interface as an Internet, net of Money configuration tool. SCOP is a tool that exemplifies how the internet really works. SCOP is a web application, PHP based, that is a front-end to heartbeat. . SCOP can start/stop services, view/edit configuration files, make backups, take a server online/offline, add/remove virtual/real servers, etc.

WEB 3.0 MEMES / METAPHORES: There are no levels, layers, packets, frames, bits, ether gas, hashgraphs, bytes motes, block chain blocks, pings, packets... There are only 1) epoch time intervals, 2) syntax used as if, then, else instructions. Time epoch time cycles used / not used to parse, process syntax as instructions are the only building blocks available to scale the blockchain. Blockchain scaling usually involves a discussion of "layers" when the reality is that parsing, processing syntax (OPSCODE brevity codes, shards, hashes) is passed from the genesis Epoch Time Cycle 1 to a temporal follow on epoch time cycle often involving geo-spatial, temporal separation. See Alice ruling.

QUANTUM COMPUTING: the use of quantum-mechanical phenomena such as superposition and entanglement to perform computation. Quantum computers are believed to be able to solve certain computational problems, such as integer factorization. In a quantum Turing machine, the difference is that the tape exists in a quantum state, as does the read-write head. This means that the symbols on the tape can be either 0 or 1 or a superposition of 0 and 1; in other words the symbols are both 0 and 1 (and all points in between) at the same time. While a normal Turing machine can only perform one calculation at a time, a quantum Turing machine can perform many calculations at once. The programmable economy will be anchored by quantum computing -for example, NIST's Quantum Random Number Beacon

1. Quantum Random Number Generator: The NIST method generates digital bits (1s and 0s) with photons, or particles of light, using data generated in an improved version of a landmark 2015 NIST physics experiment. That experiment showed conclusively that what Einstein described as "spooky action at a distance" is real. Researchers process the spooky output to certify and quantify the randomness available in the data and generate a string of more random bits.
2. 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 hash-chained. 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, in order to obtain information about past pulses. A randomness beacon produces timed outputs of fresh public randomness. Each output, called a pulse, includes metadata / cryptographic elements. The main goal of the NIST Random # Beacon is to serve as a baseline for deployment of many interoperable beacons
NIST: <https://csrc.nist.gov/CSRC/media/Presentations/The-NIST-Randomness-Beacon-2-0/images-media/SciDay18-poster-beacon-v20181022.pdf>

FUNDAMENTAL TRUTH: All things internet, net of money blockchains are formed by unicast, multicast, anycast. Programmable money's improvements are in cryptography.

INTERNET TREATISES: Time filtered and spatially metered reports are comprised of state meta-data snapshot / heartbeat message / sync delta messages where state meta data is harvested during micro-cycles then posted / displayed during longer macro-cycles
See hop count treatise referential to internet / TCP/IP treatises

1. IEEE 802.11AG is used for hop by hop detection and control for epoch assignment and hop counts management and for hop by hop detection function to determine hop by hop count corresponding to machine readable and executable null / 0 and steps from null representing hop counts e.g., +1, +2, +3, +4 and / or -1, -2, -3, -4 Paul Revere linear, sequential metaphor indicating distance traveled in context with router / server / switch / node traversal
2. IEEE 802.11 HbH hop by hop control described, represented by USPTO 13/573,002 Paul Revere, rain drop in pond meme - metaphor metrics denoting increases / decreases in thresholds intensity, duration and hop count sums

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 (the biosphere) evolves into an awakened planetary mind (noosphere)".

"Only by lifting our minds to planetary consciousness and beyond can we realize solutions to the multiple challenges facing our planet today. With a new consciousness we can effectively educate and mobilize humanity to an unprecedented level of creative problem solving, and realize a positive future." Source: <http://lawoftime.org>



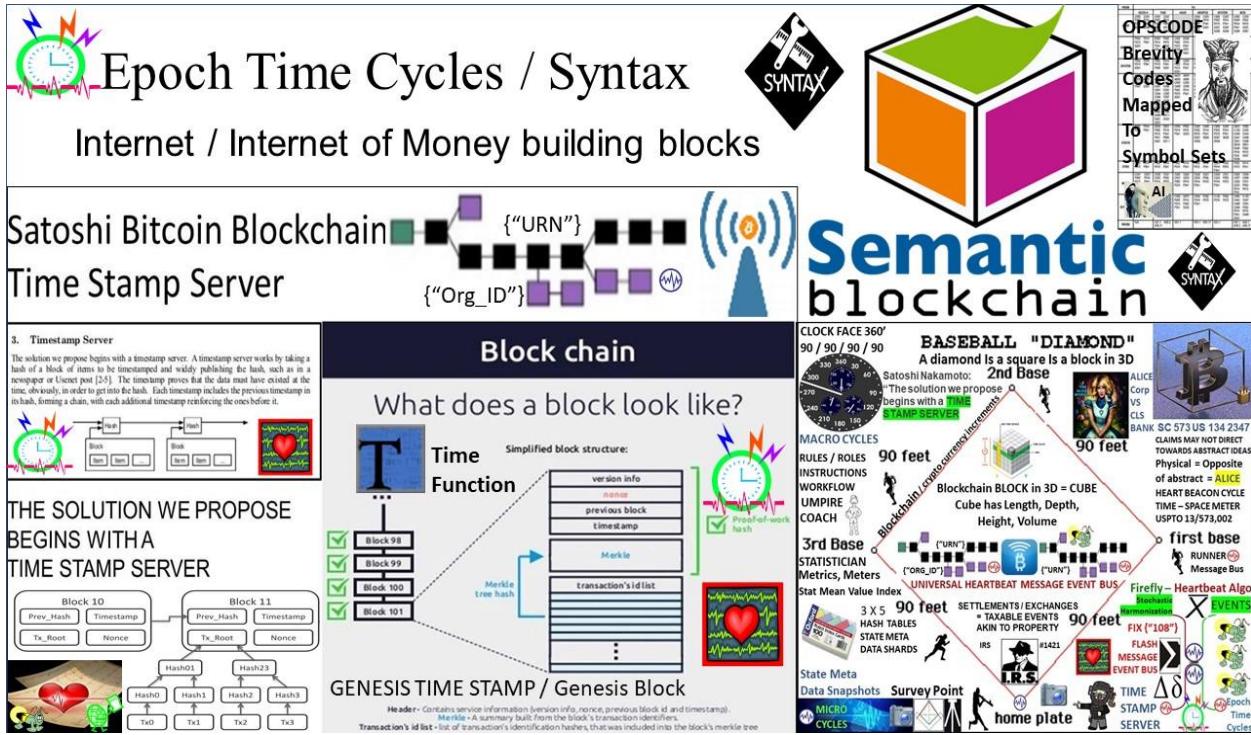


Figure 3: Epoch Time Cycles / Syntax two main building blocks for web, web of \$\$\$

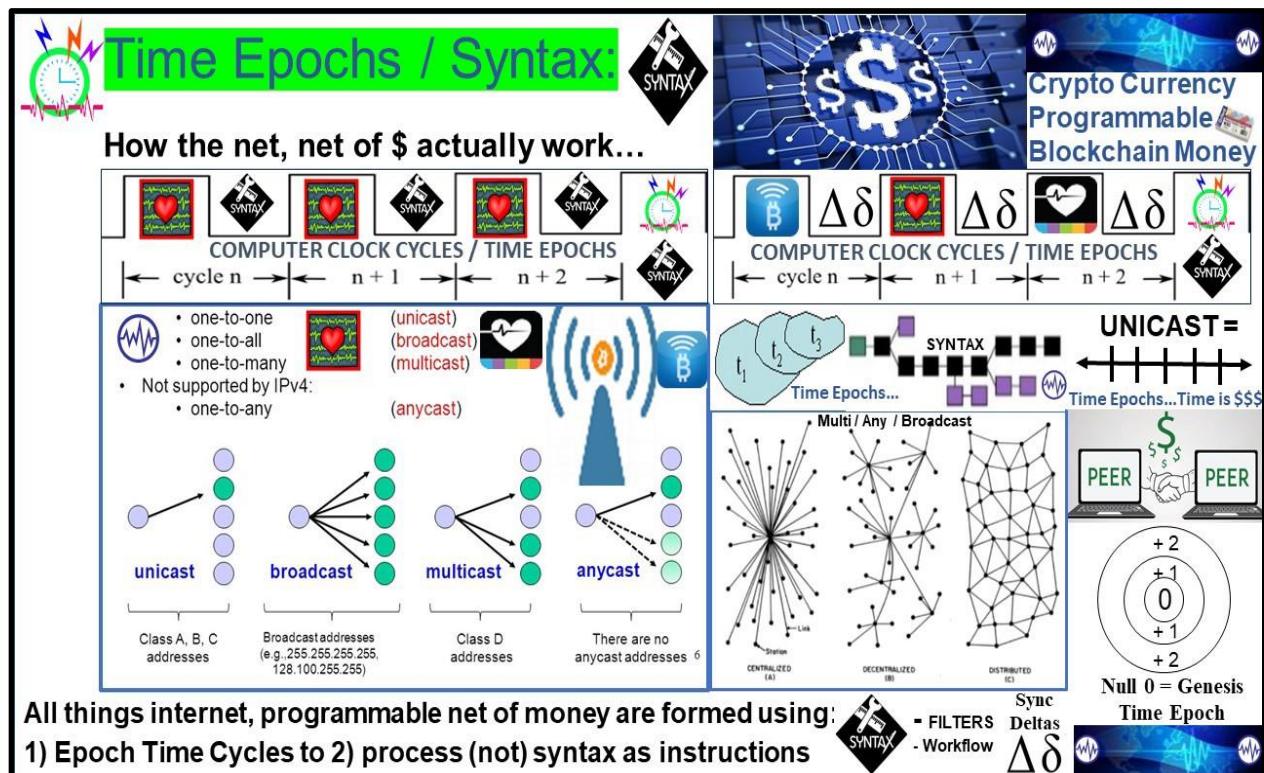


Figure 4: Time Epochs / Syntax: how the internet actually works: Unicast / Multicast IP

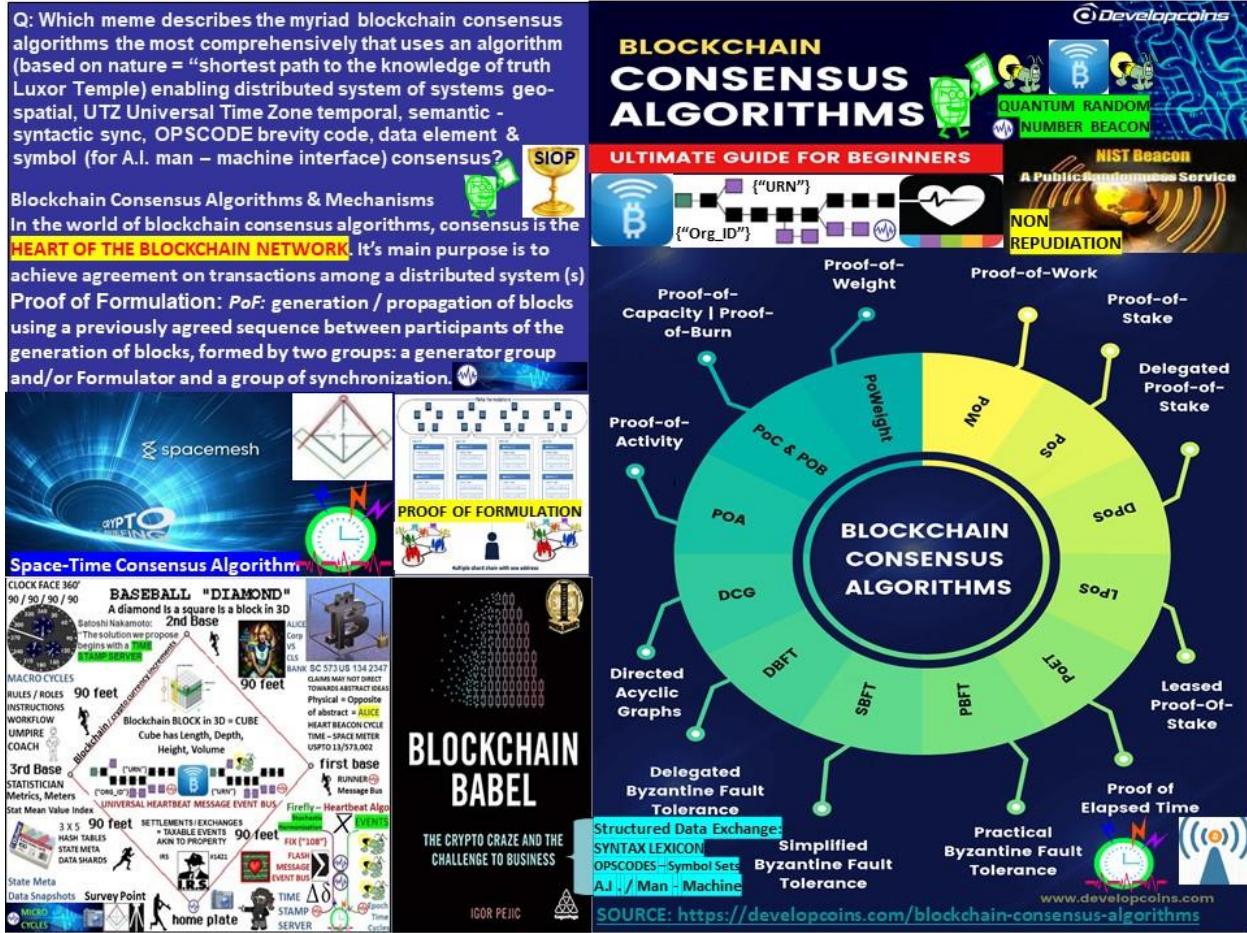


Figure 5: Heart of the cryptocurrency / blockchain world: consensus algorithms



Figure 6: Building blocks of an adaptive procedural template checklist

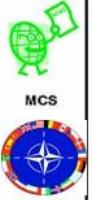
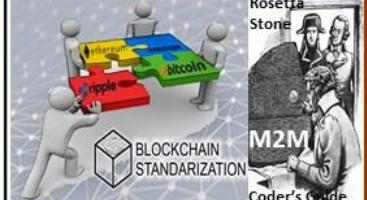
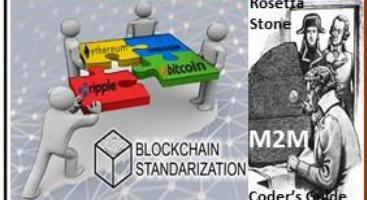
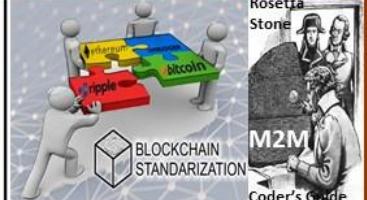
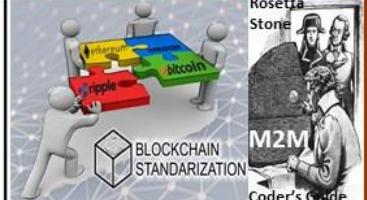
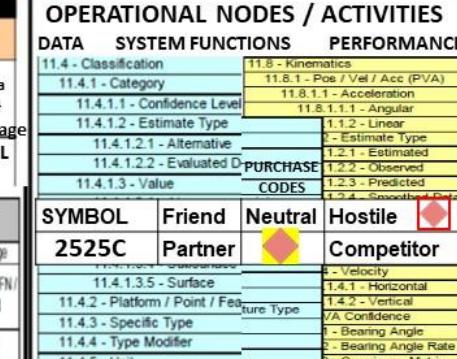
ALPHA-NUMERIC BREVITY CODES										CODE GUIDE		Information Elements Roles																			
FROM	GCCS-A		C002 C203			C002 C203			C002			ATDS	MCS		• COI Determination Org Interaction		• Search and Discovery		• Ontologies STANDARDS												
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USMTF / 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														INFOCON		4 3 2 1	INFORMATION CONDITION	FFUDN: Field Format Unit Designator #		FFIRN Field Format Index Reference #											
		A423	C203	C505	F002	F014	F541	S201	A423	C400	C505	F002	F014	F541	S201	"SYMBOLS RULE THE WORLD"	STRUCTURED military messaging ID's messages, message sets, data element, symbol fields		BY Form Field Position & NUMBER												
		Rosetta Stone		M2M		HEARTBEAT		MESSAGE = K00.99								NDN		Firefly-Heartbeat Flash Messages													
MESSAGE CATALOG 300 + Use Cases														PROCESS MESSAGE BY PRECEDENCE		UNIVERSAL EVENT / ALERT MESSAGE BUS															
Object Categories														OPERATIONAL NODES / ACTIVITIES		DATA SYSTEM FUNCTIONS PERFORMANCE															
OOB		SYNTAX LEXICON		STRUCTURED DATA		EXCHANGE		Message Sets		CDL Contract Description Language		YAML		11.4 - Classification		11.8 - Kinematics		11.4.1 - Category		11.8.1 - Pos / Vel / Acc (PVA)											
Infrastructure		Machine Trust Language MTI		lat/long		spd/hdg		country / alliance, type/class		readiness		targeting, reconning		COA {"Java JS"}		11.4.1.1 - Confidence Level		11.8.1.1 - Acceleration		11.4.1.1.1 - Angular											
Sociological		Comm. power, transportation, water/sewer		network, grid		throughput, flow rates,		name, part-of relationships		BDA, op levels		repair, broadcasts		YAML		11.4.1.2 - Estimate Type		11.1.2 - Linear		11.4.1.2.1 - Alternative		1.2.1 - Estimated									
Geophysical		Culture, religion, economic, ethnic, government, history, languages		temples, historic structures		ER Model		Class Diagram		Relational Database		Object DBMS		XML DTD / Schema		TADILs		11.4.1.2.2 - Evaluated PURCHASE		1.2.2 - Observed		11.4.1.2.3 - Predicted CODES									
Domain Value		PURCHASE CODES		feature lat/long, alt/dpth		Instance, Value		Child Element or Element Attribute		DFTN / FFN / FFUDN		FEDERATE		DUI		11.4.1.3 - Surface		1.2.3 - Generated		11.4.1.3.5 - Velocity		1.4.1 - Horizontal									
Symbol		Friend		Neutral		Hostile		Competitor		11.4.2 - Platform / Point / Feature Type		1.4.2 - Vertical		11.4.3 - Specific Type		VA Confidence		1 - Bearing Angle		11.4.4 - Type Modifier		2 - Bearing Angle Rate									
2525C		Partner				2525C		2525C		11.4.5 - Unit		11.4.5 - Covariance Matrix		11.4.5 - Covariance Matrix		11.4.5 - Covariance Matrix		11.4.5 - Covariance Matrix		11.4.5 - Covariance Matrix		11.4.5 - Covariance Matrix									

Fig 7: Syntax Lexicon library 300 + message sets / data elements mapped to symbols

NATO has invested 30 years of mapping OPSCODE brevity codes to symbology / symbols / symbol sets contained in 300 plus message set / use cases as part of Battlefield digitization, Net Centric Warfare NET Enabled Operations NEO NETOPS. Blockchain, crypto currency developers are recreating, reinventing this decades old, tedious, time intensive, labor intensive, expensive structured data exchange... wheel.

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Figure 9: Proof of Stake / Eco Economic Epoch Heartbeat Cycles Time – Space Meter

Proof of stake is a type of consensus algorithm by which a cryptocurrency blockchain network aims to achieve distributed consensus. In PoS-based cryptocurrencies the creator of the next block is chosen via various combinations of random selection and wealth or age.

Proof of Stake (PoS) concept states that a person can mine or validate block transactions according to how many coins he or she holds. This means that the more [Bitcoin](#) or [altcoin](#) owned by a miner, the more mining power he or she has.

Bitcoin miners mine or validate block transactions based on the amount of coins a miner holds. When a transaction is initiated, the transaction data is fit into a block with a maximum capacity of 1 megabyte, and then duplicated across multiple computers or nodes on the network. The nodes are the administrative body of the [blockchain](#) and verify the legitimacy of the transactions in each block.

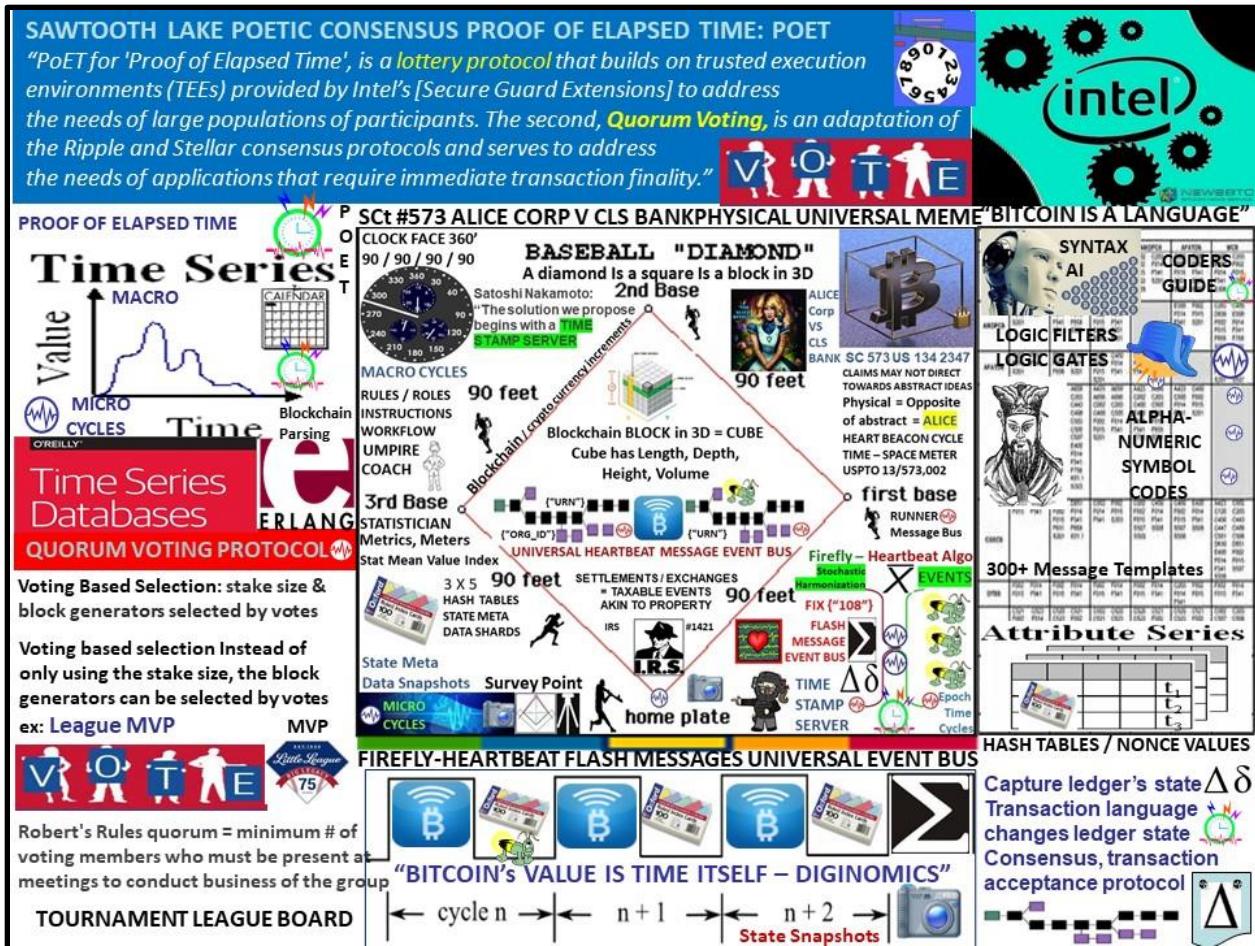


Figure 10: Proof of Elapsed Time POET / Epoch Heartbeat Cycles Time – Space Meter

Proof of elapsed time (POET) is a [blockchain](#) network consensus mechanism algorithm that prevents high resource utilization and high energy consumption and keeps the process more efficient by following a fair lottery system. Based on the principle of a fair lottery system where every single node is equally likely to be a winner, the POET mechanism is based on spreading the chances of winning fairly across the largest possible number of network participants.

POET algorithm working mechanism: Each node in the network is required to wait for a randomly chosen time period. The first one to complete the designated waiting time wins the new block. Each node in the blockchain network generates a random wait time and goes to sleep for that specified duration. The one to wake up first – that is, the one with the shortest wait time – wakes up and commits a new block to the blockchain, broadcasting the necessary information to the whole peer network. The process repeats for next block discovery.

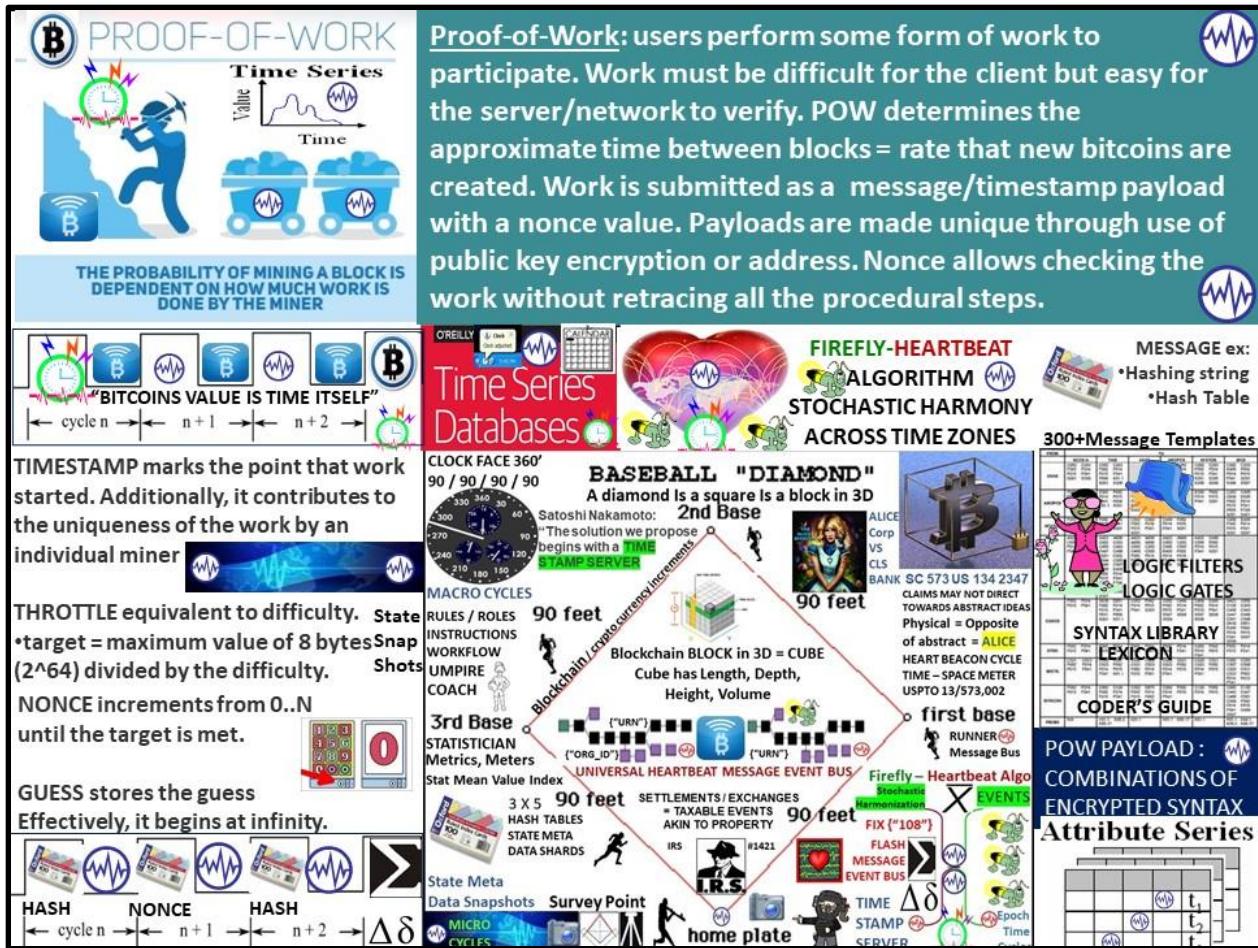


Figure 11 Proof of Work / Eco Economic Epoch Heart Beacon Cycle

A **proof-of-work** (PoW) system (or protocol, or function) is a consensus mechanism. It deters denial-of-service attacks and other service abuses such as spam on a network by requiring some **work** from the service requester, usually meaning processing time by a computer. The way that users detect tampering in practice is through **hashes**, long strings of numbers that serve as proof of work. Put a given set of data through a hash function (bitcoin uses SHA-256), and it will only ever generate one hash. Due to the "avalanche effect," however, even a tiny change to any portion of the original data will result in a totally unrecognizable hash. Whatever the size of the original data set, the hash generated by a given function will be the same length. The hash is a one-way function: it cannot be used to obtain the original data, only to check that the data that generated the hash matches the original data.

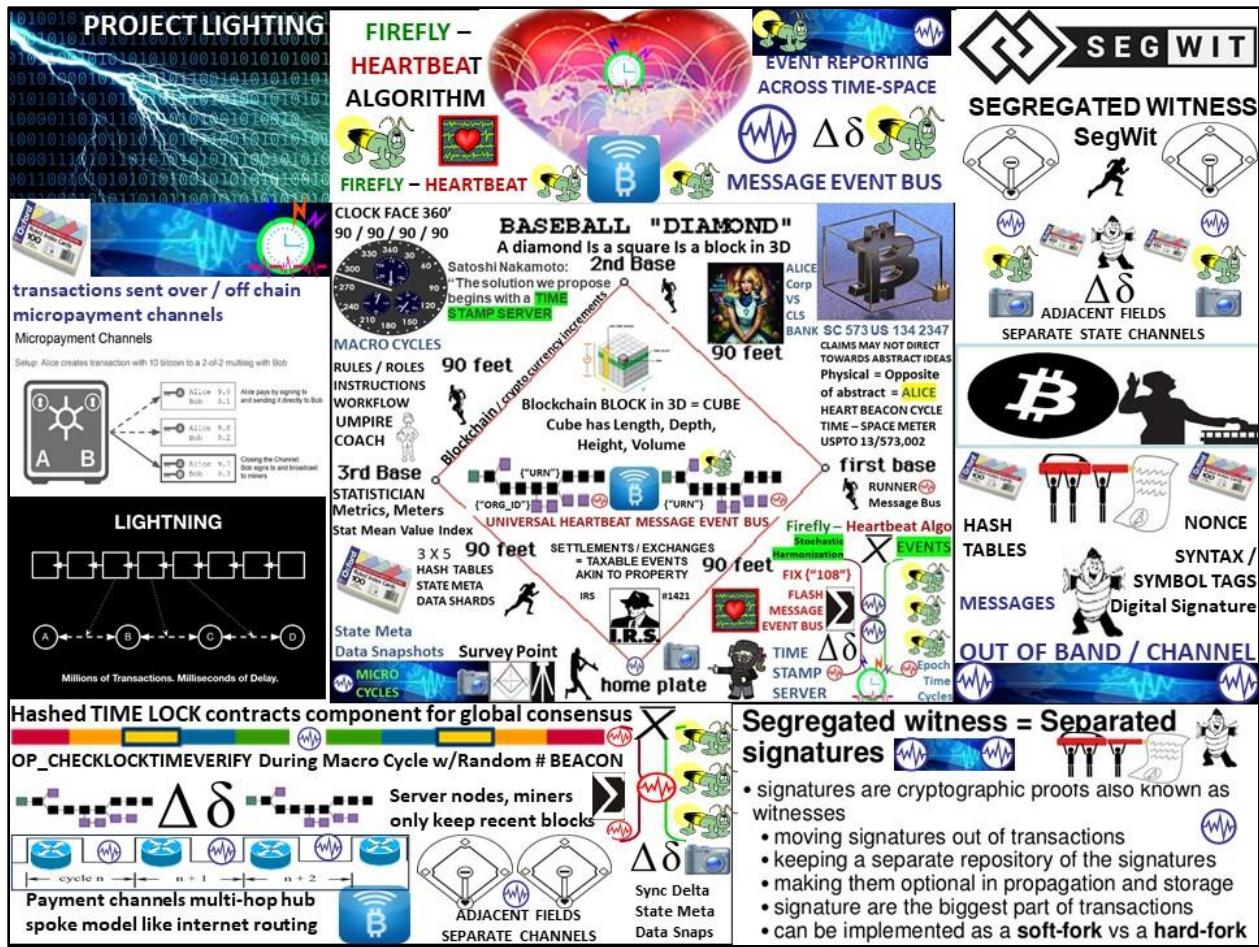


Figure 12: Project Lightning / Segregated witness / Heart Beacon Cycle

Lightning is a decentralized **network** using smart contract functionality in the **blockchain** to enable instant payments across a **network** of participants. The **Lightning Network** is dependent upon the underlying technology of the **blockchain**. Lightning Bitcoin/**blockchain** transactions uses a native smart-contract scripting language Lightning is a "Layer 2" payment protocol that operates on top of a **blockchain**-based cryptocurrency

SegWit is the process by which the block size limit on a [blockchain](#) is increased by removing signature data from [Bitcoin transactions](#). When certain parts of a transaction are removed, this frees up space or capacity to add more transactions to the chain.

Segregate means to separate, and Witnesses are the transaction signatures. Hence, Segregated Witness, in short, means to separate transaction signatures.

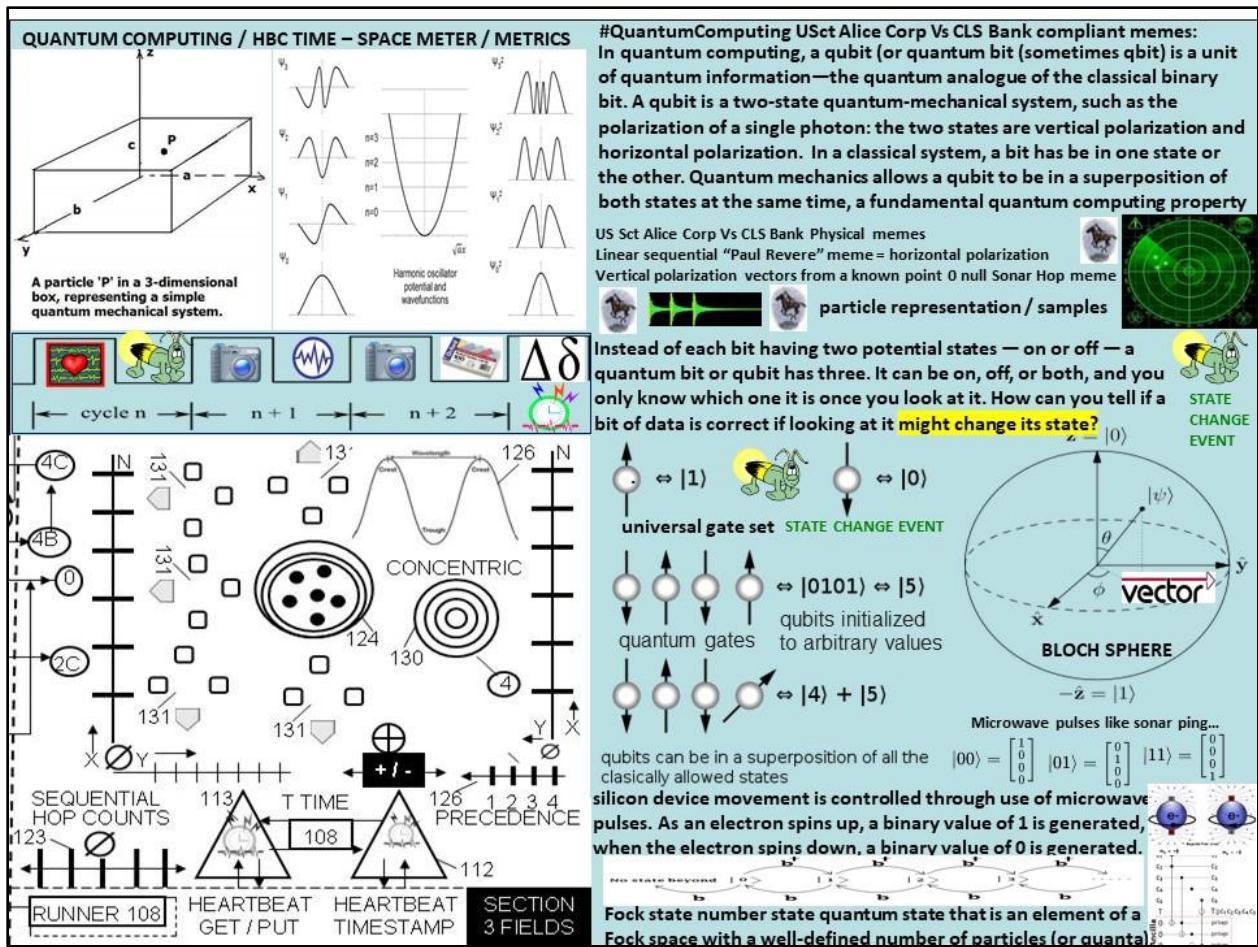


Figure 13: Quantum Computing / Heart Beacon Cycle Time – Space Meter

Quantum computing is the use of quantum-mechanical phenomena such as superposition and entanglement to perform computation. Computers that perform quantum computations are known as quantum computers. Quantum computers are believed to be able to solve certain computational problems, such as integer factorization, substantially faster than classical computers.

In a **quantum** Turing machine, the difference between it and the original tape Turing machine is that the tape exists in a quantum state, as does the read-write head. This means that the symbols on the tape can be either 0 or 1 or a **superposition** of 0 and 1; in other words the symbols are both 0 and 1 (and all points in between) at the same time. While a normal Turing machine can only perform one calculation at a time, a quantum Turing machine can perform many calculations at once.



Fig 14: NIST Quantum Randomness Beacon / Heart Beacon Cycle Time – Space Meter

NIST's quantum-based random number generator, on the other hand, creates random numbers by shining an intense laser into a crystal that converts laser light into pairs of photons that are entangled, a quantum phenomenon that links their properties. These photons are then measured to produce a string of truly random numbers. Source: [PDF The NIST Randomness Beacon 2](#)

This prototype implementation generates full-entropy bit-strings and posts them in blocks of 512 bits every 60 seconds. Each such value is sequence-numbered, time-stamped and signed, and includes the hash of the previous value to chain the sequence of values together and prevent even the source to retroactively change an output package without being detected. NIST Randomness Beacon [LINK](#)

Many in the programmable money space think quantum computing will obsolete the crypto currency #blockchain. In my opinion, the opposite is true - the programmable economy will be anchored by quantum computing - specifically NIST's Quantum Random Number Beacon / Github: <http://github.com/Beacon-Heart>

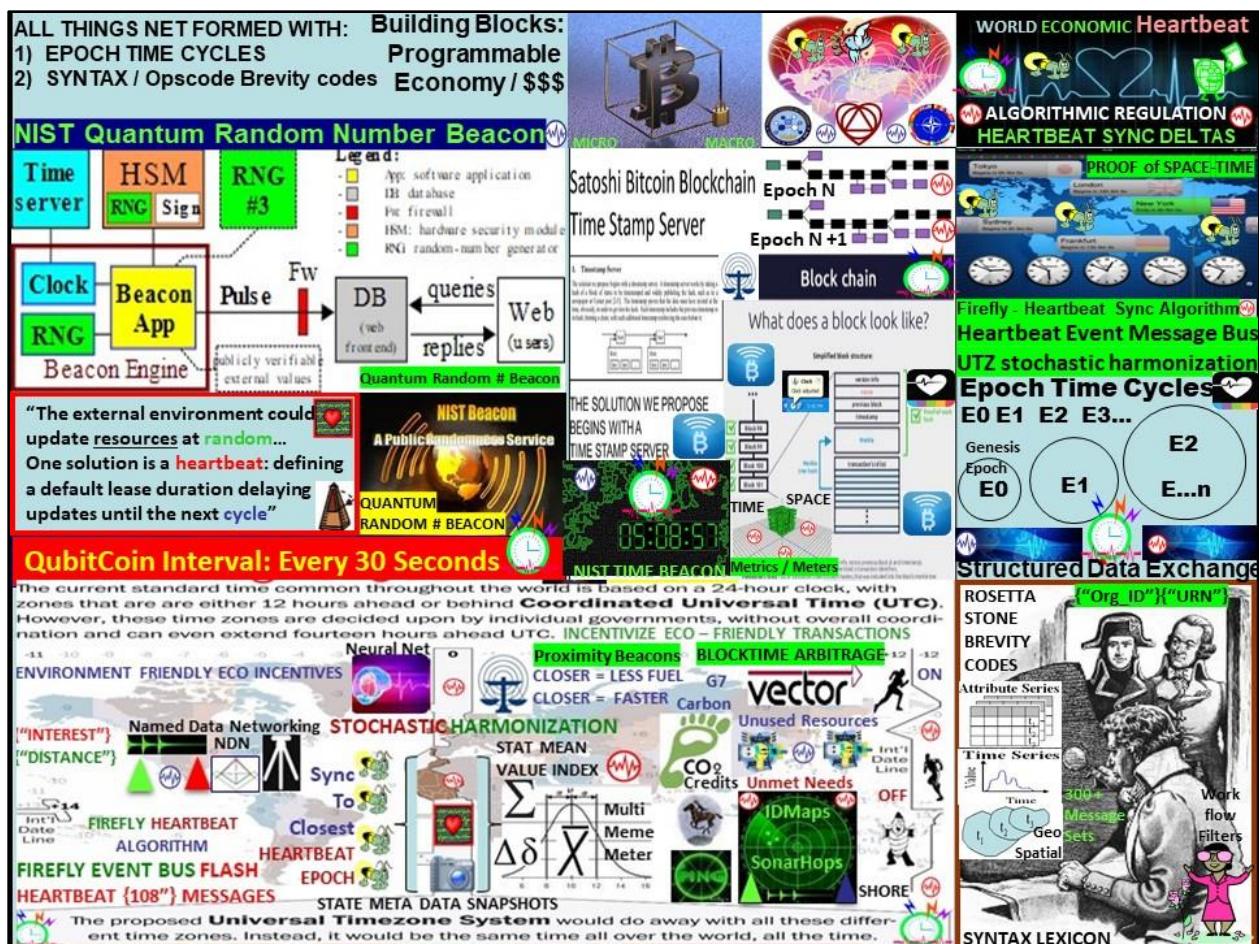


Fig 15: NIST Quantum Random Number Beacon / Time Beacon / USPTO 13/573,002

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Time filtered and spatially metered reports are comprised of state meta-data snapshot / heartbeat message / sync delta messages where state meta data is harvested during micro-cycles then posted / displayed during longer macro-cycles

See hop count treatise referential to internet / TCP/IP treatises Figure 11

IEEE 802.11AG is used for hop by hop detection and control for epoch assignment and hop counts management and for hop by hop detection function to determine hop by hop count corresponding to machine readable and executable null / 0 and steps from null representing hop counts e.g., +1, +2, +3, +4 and / or -1, -2, -3, -4 Paul Revere linear, sequential metaphor indicating distance traveled in context with router / server / switch / node traversal

IEEE 802.11 HbH hop by hop control supporting Paul Revere, rain drop in pond metaphor metrics of increases / decreases in thresholds and by intensity, duration and hop count sums



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

REFERENCES / LINKS

GITHUB Documents: [LINK https://github.com/Beacon-Heart](https://github.com/Beacon-Heart)

MEDIUM ARTICLE: "The blockchain needs a killer use case" (climate change / population increase)

[LINK: https://medium.com/coinmonks/blockchain-needs-a-killer-use-case-2f4def841883](https://medium.com/coinmonks/blockchain-needs-a-killer-use-case-2f4def841883)

MEDIUM ARTICLE: Digital Nations need an Ecologically sustainable Economic Heartbeat

[LINK: https://medium.com/@heart.beacon.cycle/eco-sustainable-economic-heartbeat-43e4e30246da](https://medium.com/@heart.beacon.cycle/eco-sustainable-economic-heartbeat-43e4e30246da)

MEDIUM ARTICLE: Deep Thought pondering the crypto blockchain through Alice's Looking Glass: [LINK https://medium.com/@heart.beacon.cycle/deep-thought-pondering-the-bitcoin-blockchain-f20ad6112d7](https://medium.com/@heart.beacon.cycle/deep-thought-pondering-the-bitcoin-blockchain-f20ad6112d7)

MEDIUM ARTICLE: "Delusional Bitcoin Vs Fool's Gold":

[LINK: https://medium.com/@heart.beacon.cycle/delusional-bitcoin-vs-fools-gold-e4bea26afba8](https://medium.com/@heart.beacon.cycle/delusional-bitcoin-vs-fools-gold-e4bea26afba8)

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ECONOMIC RESET is a mathematical certainty. Question: Do we RESET the global system of systems as is business as usual or will we re-engineer using NATO / DARPA / DOD's system of systems engineering framework standing on the shoulders of giants to convert swords to plowshares? Medium Article [LINK](#)

#internet #money #blockchain #cryptocurrencies #economics #sustainable #ecology #sustainability
#climate change #econometrics #time-space meter, #metrics, #geospatial temporal #intensity





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