



# QUANTUM INFORMATION SECURITY (QiS), LLC

Hi, Team National Institute of Standards and Technology (NIST),

As you read the following you and your team will state, “it is about time” and there may be some extreme excitement as well. Quantum Information Security (QiS) is very thankful that you extended the deadline. Your team knows better than anyone of the security “tipping point” that our world is facing today. QiS is addressing the security gaps that the NIST has highlighted; we are confident that our framework and our technology will help define, redefine, and refine “**Zero Trust Architecture**” and reestablish “**Trust**”. Our technology will challenge the whole security paradigm with limitless potential. The journey of our technology began 25+ years ago with a quest; there must be a better way. Today a perfect storm is brewing; however, this storm has just placed the “bad actors” on notice.

“**All security is now considered legacy**”; let us show you and your team that this statement is truly valid. Our technology is scalable, it will work on the smallest compute, a raspberry pi zero, but know it is better together with larger compute power and extends to the cloud. It has been designed to be multi-processed, multi-threaded, and written for parallel processing. New levels of compression, encryption, and security have been achieved. It is secure and fast! Our technology will not be broken until the year 3014 when Quantum Computing will break all security. We believe you & your team will achieve the following statement by strategically partnering with QiS: “Team NIST provides the opportunity to sleep well at night, once again”.

## The Company:

Quantum Information Security (QiS) is a technology company focused on 100% secure transactions. The company is addressing the world security issues by redefining, and rebuilding “Trust”. Additionally, the company is focused on addressing the security “Gaps”; the technology is Quantum Computer Safe encryption and Artificial Intelligence Safe encryption. The company uses its AI Software platform to develop and deliver the next generation Encryption & Compression. Imagine a world where transactions are 100% secure with 32x stronger encryption than a Bitcoin type blockchain and 92x smaller through CPU compression. QiS has developed a detached-blockchain, hyper-ledger system that is immutable, yet is flexible and extremely fast. Our technology is multiprocessing, multithreading, and parallel processing; the more processors the better! The company is also focused on the NIST 800. The ramifications are simple, “Zero Trust Architecture”.

Long term goals of QiS is to partner and team with vendors of the NIST, continuing to build the future of a Trusted Ecosystem. We will strive for developing the most secure and trusted framework to address the challenges that the NIST and our peers are battling. QiS will work through “Zero Trust Architecture” on LinkedIn with our peers to increase awareness of what the industry is calling for and demands to see. We are committed to the goal of establishing “Trust” and driving “Zero Trust Architecture”.

Quantum Information Security (QiS) – Of the 19 “Building Blocks” that have been highlighted by the NIST, QiS believes we can impact and secure the following “building blocks”:

- Consumer Home IoT Product Security - <https://www.nccoe.nist.gov/projects/building-blocks/consumer-home-iot>
- Data Security - <https://www.nccoe.nist.gov/projects/building-blocks/data-security>
- DNS-Based Secured Email - <https://www.nccoe.nist.gov/projects/building-blocks/secured-email>
- Mitigating IoT-Based DDoS - <https://www.nccoe.nist.gov/projects/building-blocks/mitigating-iot-based-ddos>
- Mobile Device Security - <https://www.nccoe.nist.gov/projects/building-blocks/mobile-device-security>
- Secure Inter-Domain Routing - <https://www.nccoe.nist.gov/projects/building-blocks/secure-inter-domain-routing>
- Security for IoT Sensor Networks - <https://www.nccoe.nist.gov/projects/building-blocks/iot-sensor-security>
- Supply Chain Assurance - <https://www.nccoe.nist.gov/projects/building-blocks/supply-chain-assurance>
- TLS Server Certificate Management - <https://www.nccoe.nist.gov/projects/building-blocks/tls-server-certificate-management>
- Zero Trust Architecture - <https://www.nccoe.nist.gov/projects/building-blocks/zero-trust-architecture>



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## Patented & Patent Pending Technologies:

### **Crypto Circle™**

100% blockchain OS. It was designed to remove the NDA from the sales process and for a software developer to sleep well at night. Crypto Circle™ is designed to run on a raspberry pi zero; however, it works better on the cloud, servers, workstation, desktops, laptops, tablets, phones, and the embedded ecosystem. It secures the OS environment from Computer Viruses, Malware Viruses, Malicious Users, Hackers, Insider Threat, Lost, Leakage, Stolen, Brute-Force Quantum Computing, and Artificial Intelligence. It secures the Operating System at Rest, at Boot, at Shutdown, Running, Deployed, if Copied, and if Left Behind. Crypto Circle™ v4.0 method has Encrypted Partitions, Security with 5,634,560-bit random asynchronous Polymorphic Digital Security™ (PDS). Protecting Intellectual Property; Protected at the Developer Level; Protected at the Admin level; Protected at the User Level.

### **Short Chain™**

A detached-blockchain, hyper-ledger system, immutable, yet flexible, extremely fast, designed to handle what is thrown at it. 32x stronger encryption than bitcoin type blockchain, and 92x smaller through CPU compression. Applied for Guinness World Record application. Focused on IoT.

### **Linthridick™**

Using Polymorphic Digital Signature™ (PDS), combining Reversible Atomic Digital Signatures™, zero permutation solution to hardware, software-piracy, identity, supply chain, contracts, titles, etc. It is an Anti-Counterfeit and Locking Solution. Removes the need for line graph math, 1 to 1 query of an Atomic modality mode. Easily exceed 100,000 transactions a second, while 100% block chain, using super CPU compression. Limited only by write speed of the hardware.

### **Lintricity™**

Using Polymorphic Digital Signatures™ (PDS), designed to use the current system in play with credit cards, though not limited too. All the benefits of Linthridick™, extra capabilities allow it to reassemble the numerical construct, allowing for pure Random Alpha Numeric Sequence Identification.

## Solutions:

### **Versa Ticket™**

A bolt-on technology that enhances an event & ticket system for ISVs' members, single ticket buyers or subscribers. It is Quantum Computer Safe Encryption, Artificial Intelligence Safe Encryption, Created with Instant Artificial Intelligence, with narrowing focus on super CPU Compression, atomic bitwise detection, and zero alternative collision permutations.

### **Versa LockIT™**

Patented system that prevents Fraud, Anti-Counterfeit, Personal Identify Fraud. It will help secure Medical Records, Stocks, Tickets, Serial Numbers, and more. You LockIT, You UnLockIT. Zero personal information is stored on the system. Versa LockIT™ uses Linthridick™ super CPU compression technology and a detached blockchain. It is safe from hackers, warez, collision permutation, and rainbow tables. 8192 bit "Encrypted Digital Signature™ (EDS) system. Simply stated, it is unbreakable or hackable. If by chance it does get hacked, there is nothing in the database for "bad-actors" to capture. Worry-free technology with no personally identifiable information within the database.



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Thank you for the opportunity and we look forward to continuing the conversation. We are ready to provide working systems for your team that is highlighted above.

Our best regards,

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