

“LSSI Executive Summary”

Legal Identity Challenges in Today’s World – i.e. “the Problem”

Our existing legal identity systems around the planet are badly broken:

- “Costs of a Crappy Legal Identity” - https://www.linkedin.com/pulse/costs-crappy-legal-identity-guy-huntington?trk=portfolio_article-card_title
- “Synthetic Identity Fraud – 1 Million Kids a Year” - https://www.linkedin.com/pulse/synthetic-identity-fraud-1-million-kids-year-guy-huntington?trk=portfolio_article-card_title
- “Do You Know Your Customers?” - https://www.linkedin.com/pulse/advertising-fraud-identity-future-guy-huntington?trk=portfolio_article-card_title

What Causes the Problem?

Authoritative source for a human identity, e.g. Civil Registration Vital Statistics (CRVS) systems are antiquated. They:

- Don’t have any data standards
- Aren’t able to be queried from one CRVS to another to verify an identity
- Use paper which is easily frauded
- Don’t tie the person biometrically to the actual identity
- Don’t have the ability to anonymously prove the holder is a human and either above or below age of consent
- Aren’t prepared for the arrival of smart digital identities of us
- Are even further unprepared for legally identifying AI systems and bots
- Finally, they’re trapped within each jurisdiction
- **Thus, jurisdictions use different unique identifiers which are easily frauded**

While the planet madly rushes to creating “digital identities” and “self-sovereign identities” (SSI), it’s not going to work well. Underneath, the physical legal identity is badly flawed, FROM WHICH DIGITAL LEGAL IDENTITY MUST BE TIED TO.

Rate of Change

Finally, identity systems in use today, aren’t prepared for this curve - <https://hvl.net/pdf/PatScannellHockeyStickShapedCurve.pdf>. It means, each hour, new attack threats are developed to be used against the governance, business processes, technological infrastructure and end user. As an old very experienced identity architect, program and project manager, it scares the shit out of me, since most enterprises lack the resources, skills and budgets to continually defend themselves against this.

IN SUMMARY – YES, IT’S A MESS!

The Problem is the Opportunity

For the last five years, I've been thinking about the above, writing about it and looking for pieces to create a new legal identity framework which works locally within a jurisdiction and around the planet, both physically and digitally. I saw the problems as an opportunity if I could come up with a solution allowing each jurisdiction to still be mostly in control of their legal identity processes, but export it out to a global standard. The lack of an integrated solution is the opportunity to create one which will be likely rapidly adopted. I'm now there.

LSSI – Legal Self-Sovereign Identity

This paper, “Secure, Network Based, Legal Self-Sovereign Identity (LSSI)” - <https://hvl.net/pdf/SecureNetworkBasedLSSIPaperDec62020.pdf> describes it. The diagram on page 6 lays out the components. At the heart of it is:

- Use of fingerprints and iris scan from birth to be attached to a CRVS entry
- Citizen in control of their own legal identity via a “Toda file”, both physically and digitally
- Ability to anonymously prove you're a human and above or below age of consent
- Ability to legally delegate control of a person's Toda file to others
- Ability to easily show legal identity relationships between people, e.g. parent/child
- Ability to register smart digital identities of us, by linking them to the person's physical legal identity
- Ability to record all consents given for use of a person's legal identity and data from cradle to grave
- **Most importantly – an ability to work around the planet, either physically or digitally**

Jurisdictions can still keep control of their legal identity processes but export it out to a person's Toda file. Further, the diagram shows, on the right hand side, a global, non-profit, whose job it is to do continual threat assessments, to which licensees of using the LSSI Toda files must adhere to.

Slow Rate of Adoption by Jurisdictions is Also an Opportunity

This post describes this, “Why There's a Large Market Opportunity for LegalTech/FinTech in the Legal Identity Space” - https://www.linkedin.com/pulse/why-theres-large-market-opportunity-legaltechfintech-legal-guy?trk=portfolio_article-card_title and this deck addresses it “Digital Banking & Legal Identities” - <https://hvl.net/pdf/DigitalBankingIdentityDeckMar92021.pdf>.

I'm Looking for Early Adopters

Thus, I'm on the hunt around the planet for one jurisdiction and their business community to work with me on implementing this. The benefits are large for the citizens, business and government. Further, the business community can leverage it by not only solving their own problems within their country, but exporting it out globally.