Qwyit and Financial Transactions

Type "End-to-End security of financial transactions" into Google…the top rated return is from Heartland – the defunct, corrupt security company that made National headlines for being broken into – *twice*. The second item is from…*1997.* The rest of the page doesn't have anything relating to actual end-to-end financial transaction security. This is, shall we say, disturbing, *don't you think?*

There's a good reason, but no excuse: financial transactions are complicated. The have a beginning (you), several different middles (a processor or two…or three), and then a few different ends (your bank, the merchant's bank, maybe a state or Federal bank too!). All of that is controlled by different owners, using different communications protocols, on different hardware platforms operating different vendor software – and can even be completed in a different order depending on 'certain things', *even at different times*. No wonder Dr. Google isn't of much help! Unfortunately, neither are cryptographers; because they just don't have the tools to get the job done.

The only way to make any progress is to start small: *and stay small all the way around the money wheel!* In order for any security protocol to be able to get from one end all the way to the other, it must meet the lowest common denominator of all of the parts. This requires several security protocol properties:

- Performance – no one wants to stand around waiting for a transaction to complete
- Efficiency – small key material, small per-message content, minimal round trip messages
- Honest Trust – simple, easy for all parties to understand, easier to use, *and…actually used throughout the transaction!*
- Implementation – the protocol must be able to be placed throughout all of the devices, firmware, software, and be uniform and small enough to fit everywhere
- Security – uniform throughout the transaction, and since its *money* – the best cryptography has to offer: unbreakable

None of the current security protocols, nor their underlying foundations, have these characteristics. They work in some parts of the transaction because of the high-powered capabilities of some of the transaction destinations – but since that high-power is too costly, and simply does *not* exist uniformly throughout the money wheel, the security falters at low-level destinations: *and unbreakable has never been offered*.

With QwyitTalk™ - and our QwyitCash™ credit transaction processing innovation – all of those required security protocol properties are here. Now. Today – ready to be implemented. Isn't it time to put an entry at the top of that 'end-to-end financial transaction security' search? QwyitTalk™ in 2018: Unbreakable Financial Transaction Security!