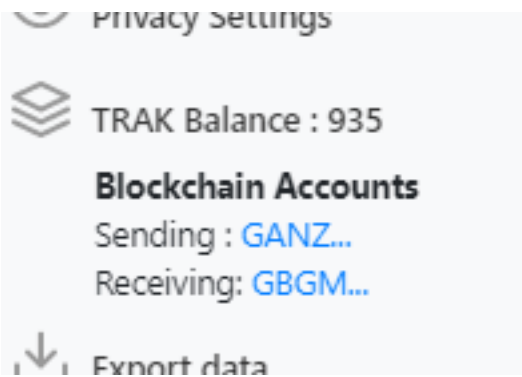# AYADEE

Blockchain Overview

Now more than ever the accurate historical origin of a product or document is more important than ever. The rise of global import tariffs has created a raft of regulatory compliance around a product's point of origin and subsequently a range of deceptive schemes to get around these. From fake origin certificates and labelling to "transshipping" schemes where products are sent via 3rd party countries for origin relabeling there is now a multi-billion dollar industry in such fraudulent schemes. Beyond tariffs we also see a rise in deception around environmentally sustainable or social good products being replaced with cheaper or inferior products sourced from locations with poor social or environmental records.

Ayadee TRAK uses the Stellar Blockchain to solve this problem by publishing a cryptographically secure public record of each TRAK product point entered by TRAK users on the app. This secure publicly available record or signature on the Stellar blockchain is unalterable by anyone and can be used by customers and regulators to prove the validity of the data surrounding a products history.

Each client account is issued with 2 Stellar accounts at time of creation, a sending and receiving. The sending account is also credited with a starting amount of 1000 TRAK tokens. These are visible under the **TRAK balance** label.

Each time the client mobile app is used to record a product it sends 1 TRAC token from the sending to the receiving account along with a SHA256 cryptographic signature of all the data being recorded including the photo, gps and text to be forever securely and publicly available on the Stellar blockchain.

Operation	Details	Date
123597678331535361	GCT5…4RRB transferred 1 TRAK to GCHB…WCZK. ⌄	20 Mar 2020 17:30:16 UTC
123270745420824577	GCT5…4RRB transferred 1 TRAK to GCHB…WCZK. ⌄	15 Mar 2020 23:23:27 UTC
122491578223853569	GCT5…4RRB transferred 1 TRAK to GCHB…WCZK. ⌄	04 Mar 2020 15:56:49 UTC
121892799653212161	GCT5…4RRB transferred 1 TRAK to GCHB…WCZK. ⌄	24 Feb 2020 18:50:05 UTC
121568589751881729	GCT5…4RRB transferred 1 TRAK to GCHB…WCZK. ⌄	19 Feb 2020 23:32:04 UTC

Transaction c4ba9285603f1a6e880066b4b8f3344bebb7ab2b12e68a8399e4ac97c864760b

Source account: GCT5FG…GJ4RRB
Ledger: 28701207
Fee charged: 0.00001 XLM
Memo (HASH): 8d/AEKBZsXDWEUfHkVPZtXUuufEcBxPJT5JAOV5c2vI= (display in base64 ⌄ format)

Created at: 15 Mar 2020 23:23:27 UTC
Operations: 1
Sequence number: 123270745420824576

The TRAK tokens themselves are a pure utility token used to publish each of the signatures directly to the Stellar blockchain 1:1. And while they will have a value they are NOT a store of value and the purchase price of these will be controlled by Ayadee to be always cheaply available for practical utility purposes.

The client themselves has access to the Sending account so they can transfer these TRAK tokens to other accounts or sell unused TRAK tokens on the open Stellar markets however they do not have access to the receiving account which provides the record of the clients signature history.

The open token architecture allows clients to be able to purchase unused TRAK utility tokens from other clients at their own agreed market rate without being dependent on Ayadee.

This open and transparent architecture allows future development around the TRAK product system for both Ayadee and 3rd party developers in the future.