

Warranty Chain Project

Whitepaper

Ver 1.0



The WAC Team, August 2019

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INTRODUCTION

In the age of consumerism, when it is common to throw away the “outdated” possessions long before they become really non-functional, there still is a place for such thing as warranty. Mass industry and global logistics have their drawbacks which result in particular individual goods or whole production batches to be defective due to mishandled transportation or wrong/broken components installed. Certain design flaws can also lead to critical issues, an important thing is not only no-name brands are susceptible to these, just remember the infamous explosions of laptops caused by batteries produced by a major corporation.

It is common knowledge that in order to claim your warranty and have a replacement or a repair, you must present the retailer or service center a number of documents, including a proof of purchase and the warranty certificate. The usual situation is, however, that these documents are stored in disarray around one’s living quarters. Sometimes people do have a singular place to store these documents, which is good on one hand, but on the other – if your kid finds out this heap of paper and decides to play with it by drawing pictures or cutting out figures, or some other mishap occurs, you most likely will lose warranties for a lot of purchases.

We present a project with a use case targeted at preserving consumer warranty documents and making their use more comfortable. The goal is to create a decentralized storage space where one could keep the scans of purchase receipts, warranty certificates, service tags and serial numbers, and other information – and to have easy access to this database through our client software. Heavy encryption will make sure that only you have the access to your data.

KNOWN WARRANTY RELATED ISSUES IN THE MODERN WORLD

Though the current time we are living in is 21st century, an age of tremendous technological growth and advances in many spheres of human life, certain outdated and old-fashioned ways and practices still exist. For example, even for the products of the top market leaders, in most cases you will still need to keep your warranty certificate and proof of purchase in paper. Sometimes, even in order to download drivers from the manufacturer's website, you will need a service tag, which is printed on a paper label and can be easily worn out to the extent of unreadability. It is interesting to note, that some corporations have "extended warranty" or "customer care" programs when the paper documents are not required, but as usual there are exclusions from the general terms, and such programs also cost money – a common price is around 100 USD per 1 product.

Some warranty related information including vendor input and user complaints is presented below.

<https://web.sony-asia.com/sg/my-sony-eWarranty-terms-conditions/>

<https://store.sony.co.nz/warranty.html>

<https://support.apple.com/en-vn/HT202696>

<https://www.cnet.com/forums/discussions/have-you-been-cheated-by-samsung-s-warranty-service-602105/>

<https://www.quora.com/Do-I-have-to-have-a-receipt-to-use-the-warranty-for-a-Samsung-S8>

No doubt, it would be nice to manage all your warranty documents easily and securely!

PROJECT DESCRIPTION

The Warranty Chain (WAC) project has a goal of implementing easy recording of warranty documents and service tags to blockchain – for the convenience of the users – and then persuading manufacturers and service companies to acknowledge this format of warranty related data.

The first stage of WAC project will be the creation of the possibility for anyone to upload a scan or other digital image of a product warranty to the blockchain.

The second stage of development will include the development of a convenient wallet with a database of your purchases, serial numbers, warranty documents and service tags.

On the third stage of project development our team will be communicating with vendors and service centers, trying to convince them to make blockchain recorded warranty documents and service tags official. Surely it won't be easy, but as cryptocurrencies and blockchain technologies are slowly but gradually becoming a part of everyday life, we believe that progress will be made. Ideally, for each product you will be able to obtain a QR code that could be scanned from the screen of your smartphone at a service center accepting Warranty Chain integration – or a specific digital key you could use in correspondence with the vendor or service center – without the need to ever keep a bunch of paper documents, systemize and search for them all around your place.

TECHNICAL SPECIFICATIONS

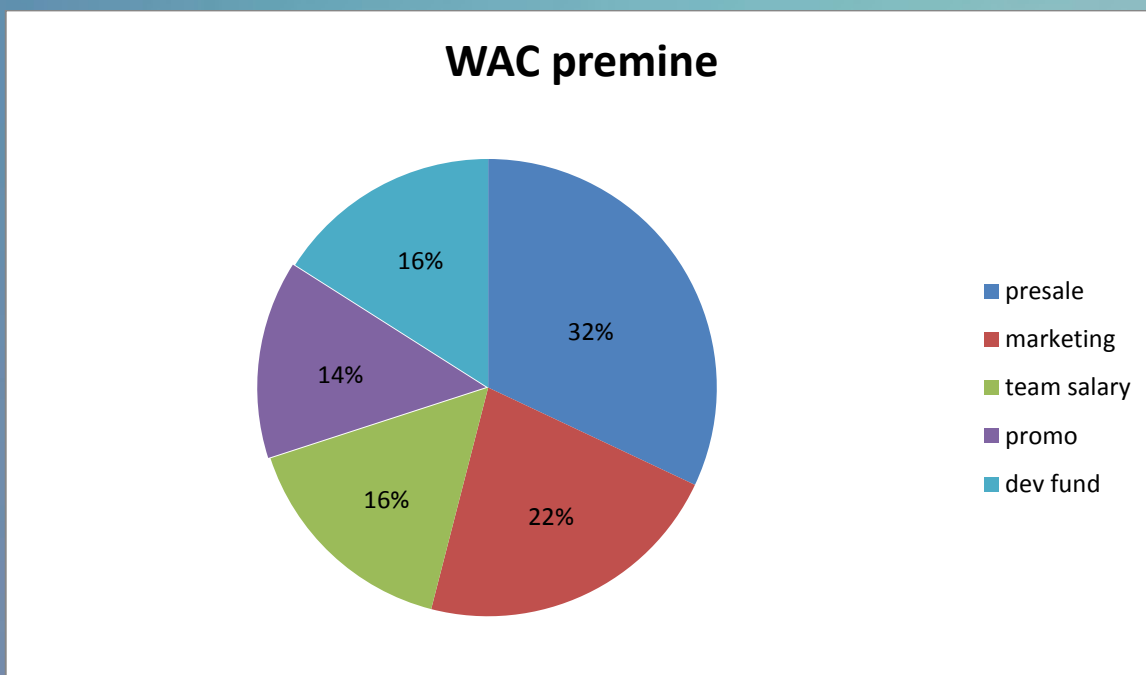
Name/Ticker	Warranty Chain / WAC
Consensus	POS
Blocktime	60 s
Blockreward	1-5
MN/POS reward	50/50 – 85/15
MN collateral	1000 WAC
Total supply	21 000 000 WAC
Premine	1% (210 000 WAC)

REWARD DISTRIBUTION

MN collateral 1000 WAC			
Block height	Block reward	MN reward,%	POS reward, %
1-200	premine	-	-
201-1999	0.01	50	50
2000-19999	3	50	50
20000-29999	5	60	40
30000-39999	3.5	65	35
40000-49999	3	70	30
50000-59999	2.5	75	25
60000-69999	2	80	20
70000-79999	1.5	85	15
80000-...	1	85	15

PREMINE DISTRIBUTION

The 210000 WAC coins from the premine will be spent for the following. Public presale – 67200 coins, marketing – 46200 coins, salaries for the team – 33600 coins, promo activities – 29400 coins, development fund – 33600 coins.



PROJECT MILESTONES

- Q3 2019: First exchange listings. Surveys of service centers. Development of new features.
- Q4 2019: Mobile wallet release. Implementation of blockchain data recording.
- Q1 2020: More exchange listings. Integration of a purchase database into WAC wallet.
- Q2 2020: Communication with small vendors and service centers.
- Q3 2020: Communication with medium-scale vendors and service centers.
- Q4 2020: Thorough Marketing and PR campaign. Development of commercial applications.