



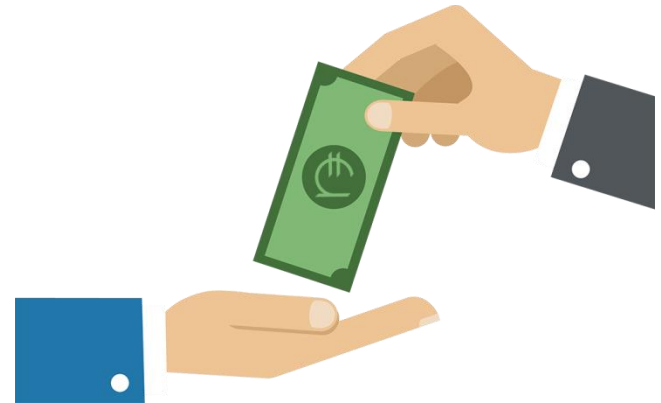
საჯარო
რეესტრის
ეროვნული სააგენტო

State Project of Land Registration 2016 -2017

Problems before launching the project

Prolonged registration procedures;

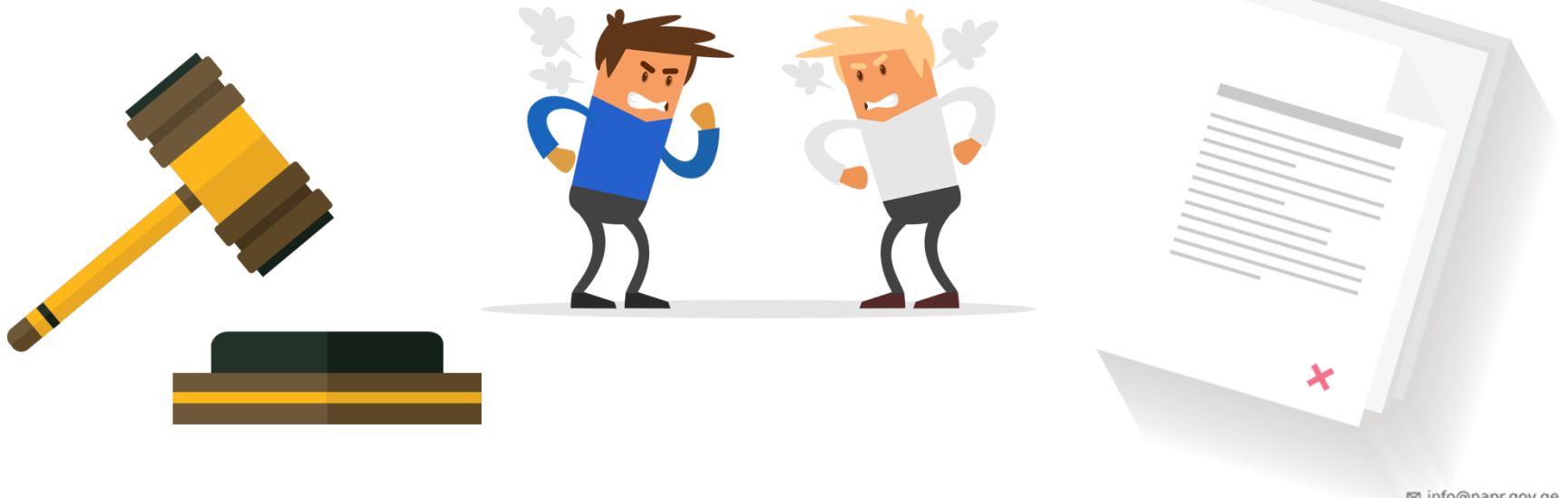
Charges consisting of service fees of National Agency of Public Registry of Georgia and of other organizations;



Problems before launching the project

Undetermined boundaries of land parcels
(neighbourhood disputes, court procedures);

Delay of registration procedures due to the flawed
documents of title;



Purpose of the State Project

Land Registration without barriers



The work undertaken before launching the project

All the organizations, where it is necessary to look for or send title documentation got involved in the project and a new soft was created, which is connecting citizens to the abovementioned organizations;



The work undertaken before launching the project

Establishment of Mediation Institute;

„Fact Statement Service” of National Bureau of Enforcement of Georgia;
which is used for determination of factual boundaries land parcels, got involved in the project

NAPR has carried out analysis of the legislation in force and has studied relative registration practice in order to detect problems, which existed in title documentation and which served as the barriers for recognition of property right.



In the framework of the project

Legalization of flawed documentation of registration;



In the framework of the project

Quick and free of charge acknowledgement of property rights of illegally occupied land parcels

In case of determination of difference between land parcel size indicated in the document of title and actual boundaries, preference is given to the interests of the owner.



In the framework of the project

The reference to the Mediation – alternative method of dispute resolution

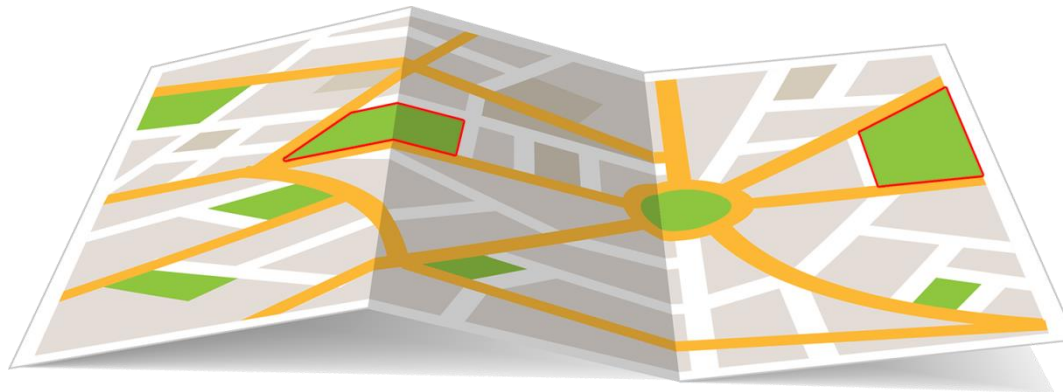
Participation of the citizen in the registration procedures by the registrar of the agency



In the framework of the project

Bureau of Enforcement of Georgia determines actual boundaries/ location of land parcels („Fact Statement Service”)

The municipal authority testifies location of the land parcel by administrative act



Results of the project: Citizen-friendly Service

In the framework of the project the applicant will benefit from the following free services:

Systematization and search of the title documentation in various state organizations

Primary registration of property rights on the land parcels

Certification of the signatures of the contract parties by the notary

Mediation, Notary Mediation

Fact Statement Service

Cadastral Survey



Benefits of the project

Centralized registration procedures – one-window-principle

Time and effort saving;

Free service at the NAPR and other organizations;

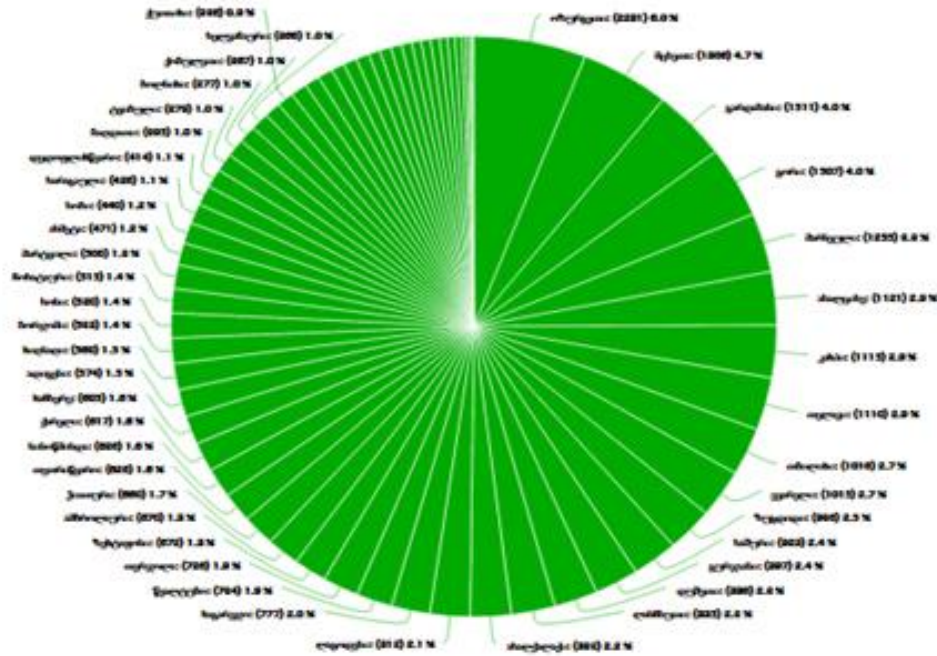
Protected rights of the owner;

Regulated property market



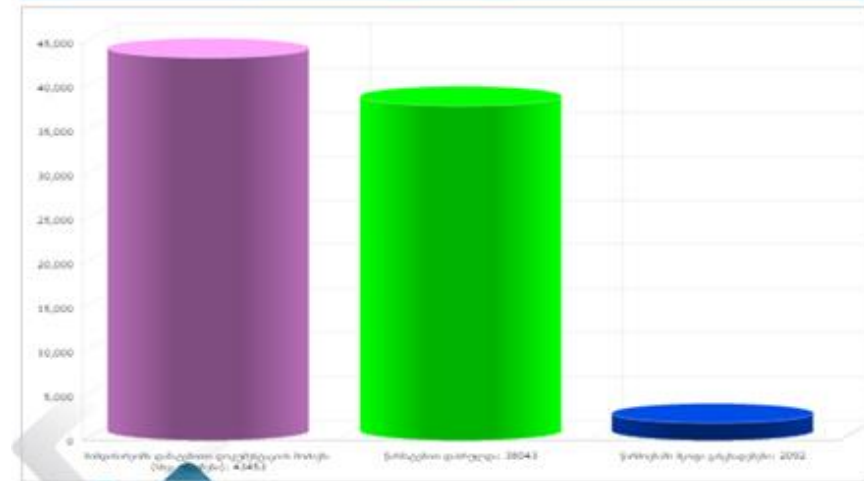


ტოტალური ფარგლებში ნარკოტიკულად დამკლავებული სარეზინოკაშიონი ტანსაცმელი: 36.043



JOHNSON SURFACES.

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Blockchain Technology Applied in NAPR Services

Existing Problem
Extract validation can be proved only by
Napr.gov.ge



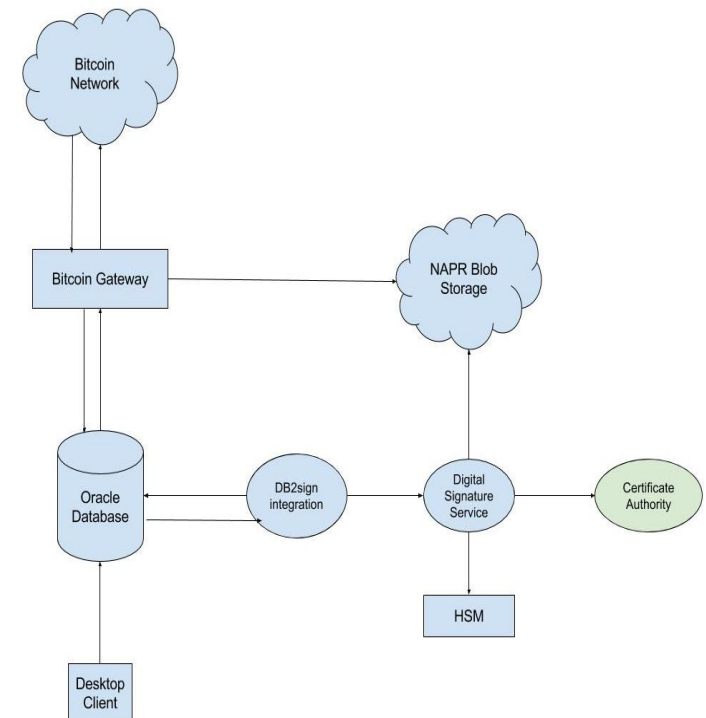
Process Description for problem solution

1. PDF extract is generated at registrar's desktop client application and is sent to database;

2. Db2sign service takes new extracts from database, makes some adjustments to a file to get it ready for signing. At last sends file to digital signature service;

3. Digital signature service makes several steps to make a valid signature:

Generates hash of PDF file;
Sends it to HSM, because there is no way to read private key from HSM;
HSM makes a digital signature and returns signature data;
Signature is put in PDF file and sent to Certificate Authority for OSCP check (The Online Certificate Status Protocol) to check certificate validation status;
CA also makes a timestamp on a file (required by Georgian law).



Process Description for problem solution

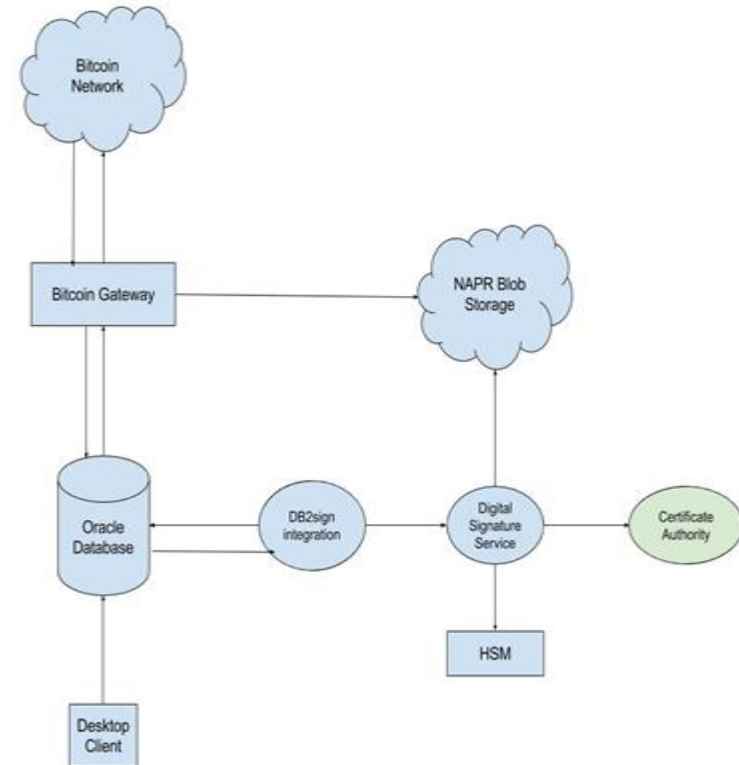
Signed PDF file is sent to blob storage, where it is saved permanently. On blob storage files are immutable, they can't be deleted or edited;
.Bitcoin gateway makes transaction to Bitcoin blockchain, the process consists of following steps:

Gateway reads the newly signed files from blob storage and generates its hash;

A new bitcoin transaction object is created that contains files hash;

The transaction is sent to Bitcoin network;

After transaction is validated by blockchain it's status and meta information is sent to application Oracle database, from database all document flow is observed. The status information from all steps is available from single point.



Result

The extract file is protected with organizational seal (that has a legal power) ;

It's existence can be proved by anybody using Bitcoin blockchain;

There is no technical or any other way to alter the final result of registration



Smart Contracts



Thank you for your attention!