



# Blockchain Use Cases

Use Cases: Government



# Blockchain in Voting

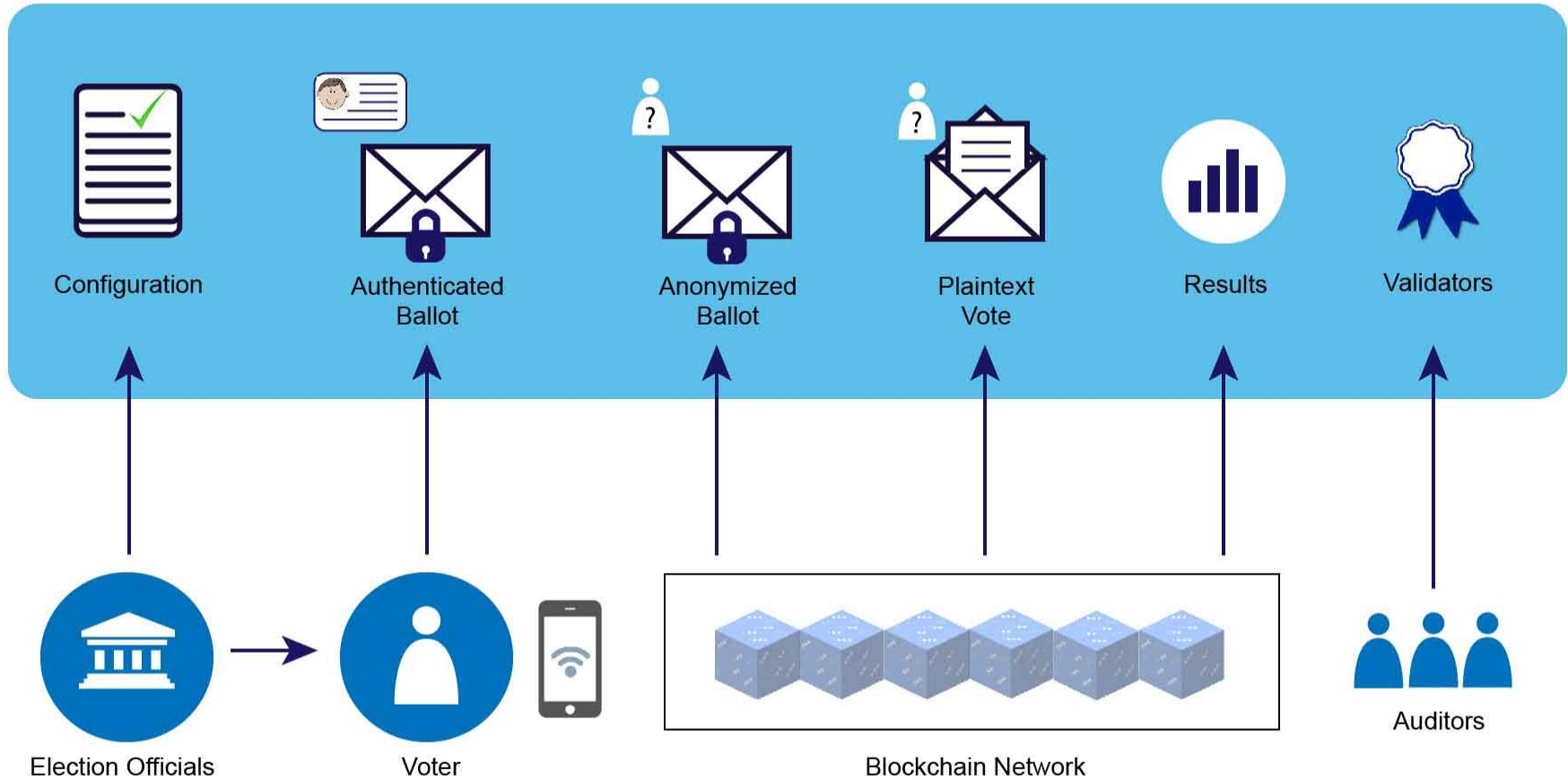
**PROBLEM:** The current state of politics suffer from voter fraud. The incentive to artificially inflate political support has been around since democratic processes were implemented.

**SOLUTION:** A Blockchain based peer to peer voting mechanism.

- Initiating a smart contract for citizens where we can define the candidates.
- Voters identity can also be established and traced for providing one vote per citizen.
- We can also define a system where voters are allowed to change their votes, till the time allocated for the Smart Contract.

## **BENEFITS:**

- Immutable blockchain record can easily flag redundancies and tie unique personal identifiers to individuals to ensure that voters are who they say they are, and that they are eligible to vote.
- It will also insulate elections processes from potential foreign intervention.
- Removal of Ballot intermediaries and human intervention from the process.





# Blockchain in Customs and Border Patrol

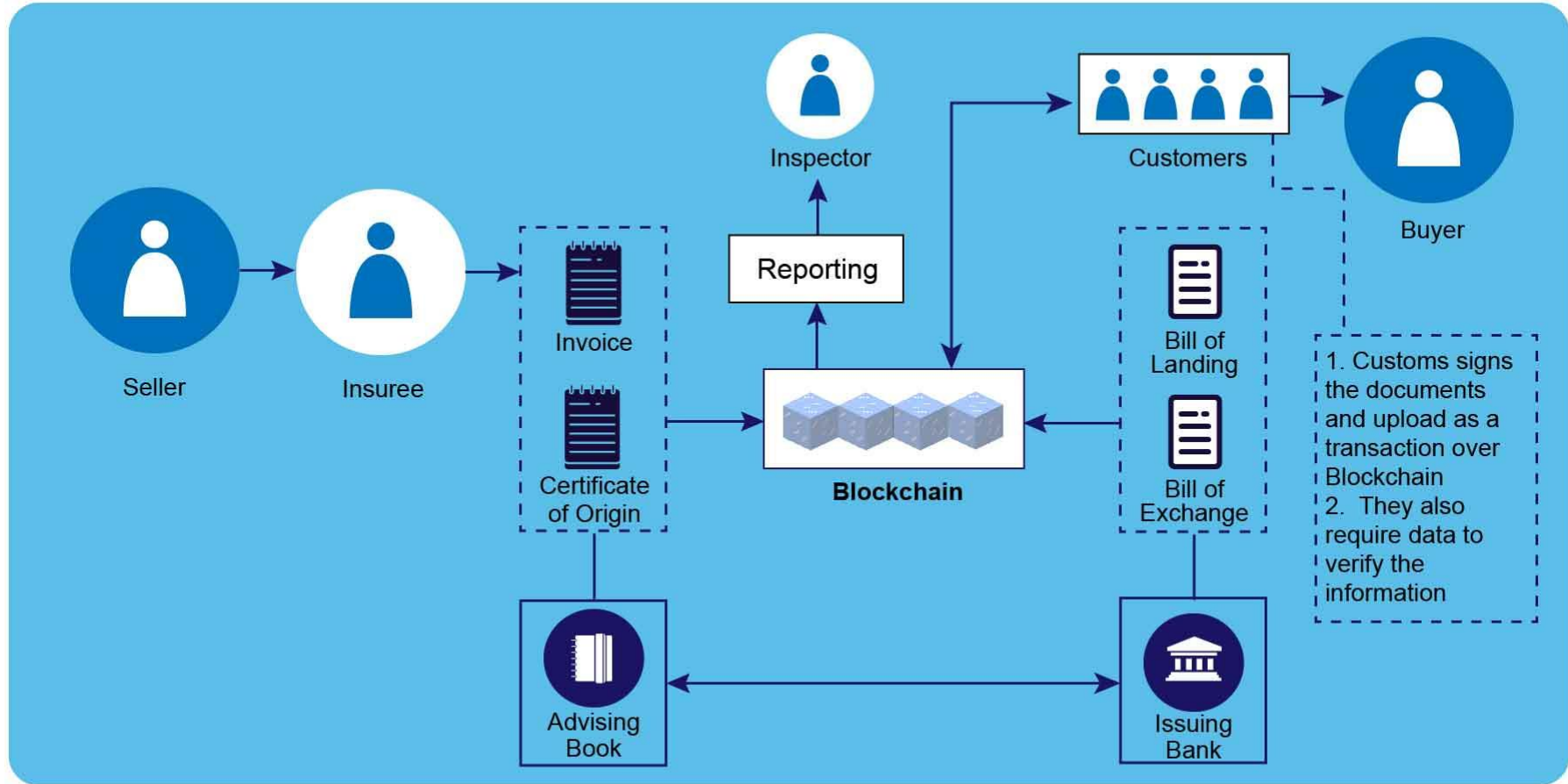
**PROBLEM:** Bypassing customs is a multi million dollar haul. Moreover false or corrupted customs effects the national economic activity

**SOLUTION:** A Blockchain based peer to peer network to track shipments and goods

- Origin of shipments can be tracked with the help of immutable records.
- Real time records can be provided to custom officials to work more efficiently.
- Real time records can work both ways, where we can track the reports shared by the custom officials.

## **BENEFITS:**

- Legitimacy of the shipments and goods can be tracked.
- We can remove the false details and corrupted officials from the network.
- Provide transparency for both the industries and custom officials.
- Streamlined and efficient processing of customs, thus reducing the processing time.





# Blockchain in Transparent Budgeting

**PROBLEM:** Currently there is no transparency for budgets issued. Moreover, huge amount of money is being spent to implement the new laws and budgets

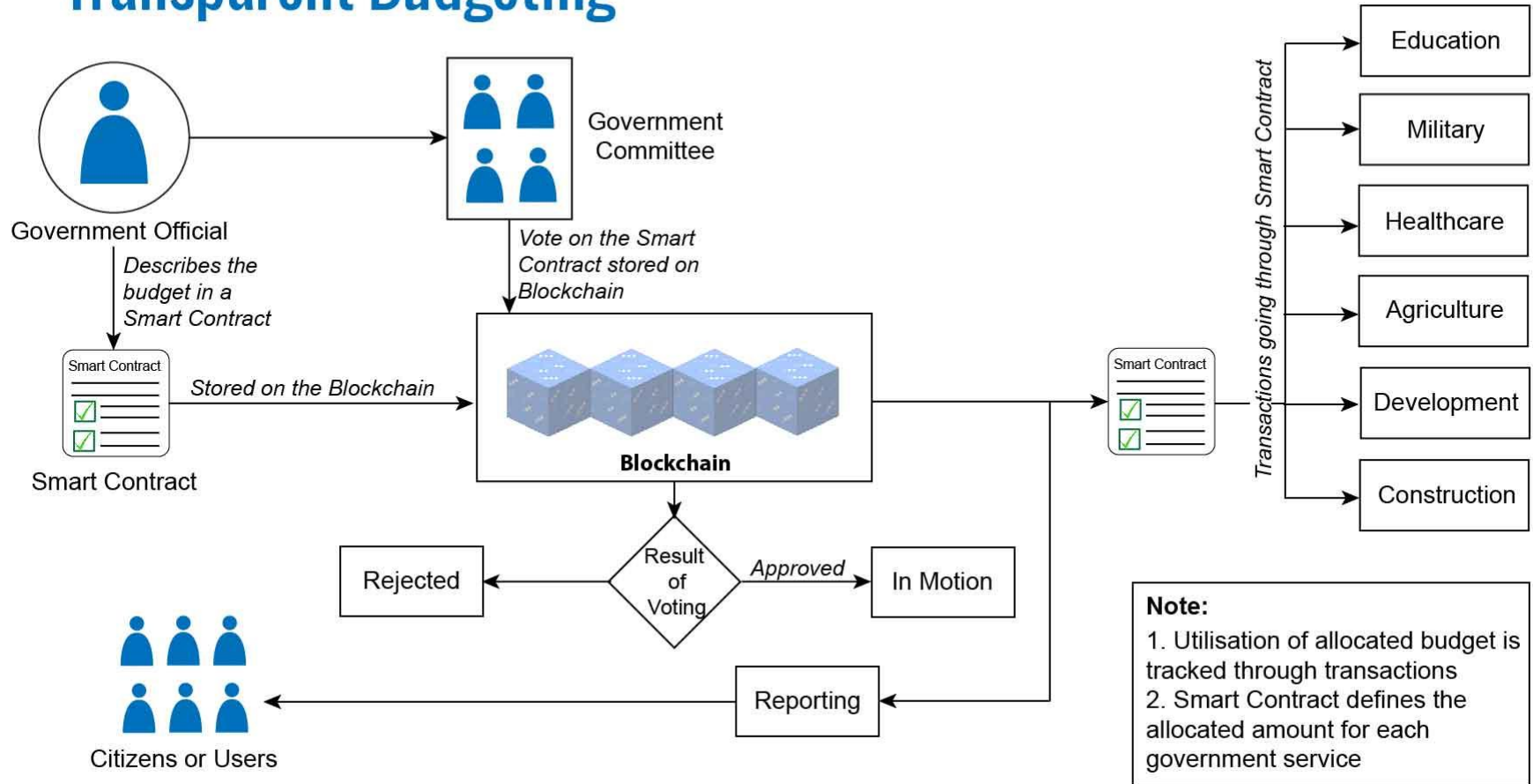
**SOLUTION:** A Blockchain based peer to peer tracking system

- A clear record of who conceived, voted for, and encouraged spending practices can be maintained.
- Middlemen who, combined, result in sky-high budgets and massive inefficiency can be removed.
- Updation of nodes with respect to new laws and budget don't require massive cost.

## **BENEFITS:**

- Blockchain records can be cited as a point of reference when holding public servants accountable.
- Cost management would be better and people can track the spending allocated as per the budgets.
- Upgradation of laws and budgets require less resources and cost.
- Streamlined and efficient processing of budgets.

# Transparent Budgeting



# Blockchain in National Digital Currencies

**PROBLEM:** Lot of intermediaries and Bank walls. Adding to that, complexity of the loan process is high.

**SOLUTION:** A Blockchain based peer to peer digital tokens system

- Digital tokens can be defined which equate to the physical currency.
- Smart Contracts can also be defined for the use and regulation of the digital tokens.
- Real-time reporting of funds can be tracked through Blockchain.
- Identities can also be stored as digital fingerprint for people who are holding the tokens.

## **BENEFITS:**

- Lower costs from eschewing the printing of physical money.
- Easier taxation and a move away from inflation-vulnerable fiat currencies.
- A means of greater oversight and control over the population's finances.
- Ease to monitor and capture criminal activity.
- Non-volatile behaviour compared to cryptocurrencies.

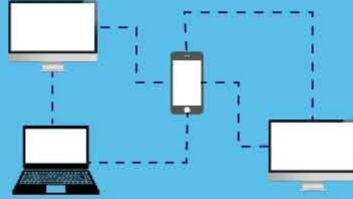


1



Adam wants to send digital currency to Eve

2



The transaction request is broadcasted in the National Blockchain Network

3



Computers assigned by government as miners solve a mathematical puzzle

4



Once the problem is solved by a miner, he/she writes the block with the request

5



Once the block is verified and a majority of miners approve the block, the block is confirmed over the Blockchain

6



Adam's transaction gets added to the Blockchain

7



Eve receives the digital currency



# THANK YOU

For more information contact  
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