



CCITT/ITU-T 60th Anniversary Talks on Digital Financial Services (DFS)

Towards the Development of Digital Finance Services: DigiCash

Moez Chakchouk, Chairman & CEO of the Tunisian Post





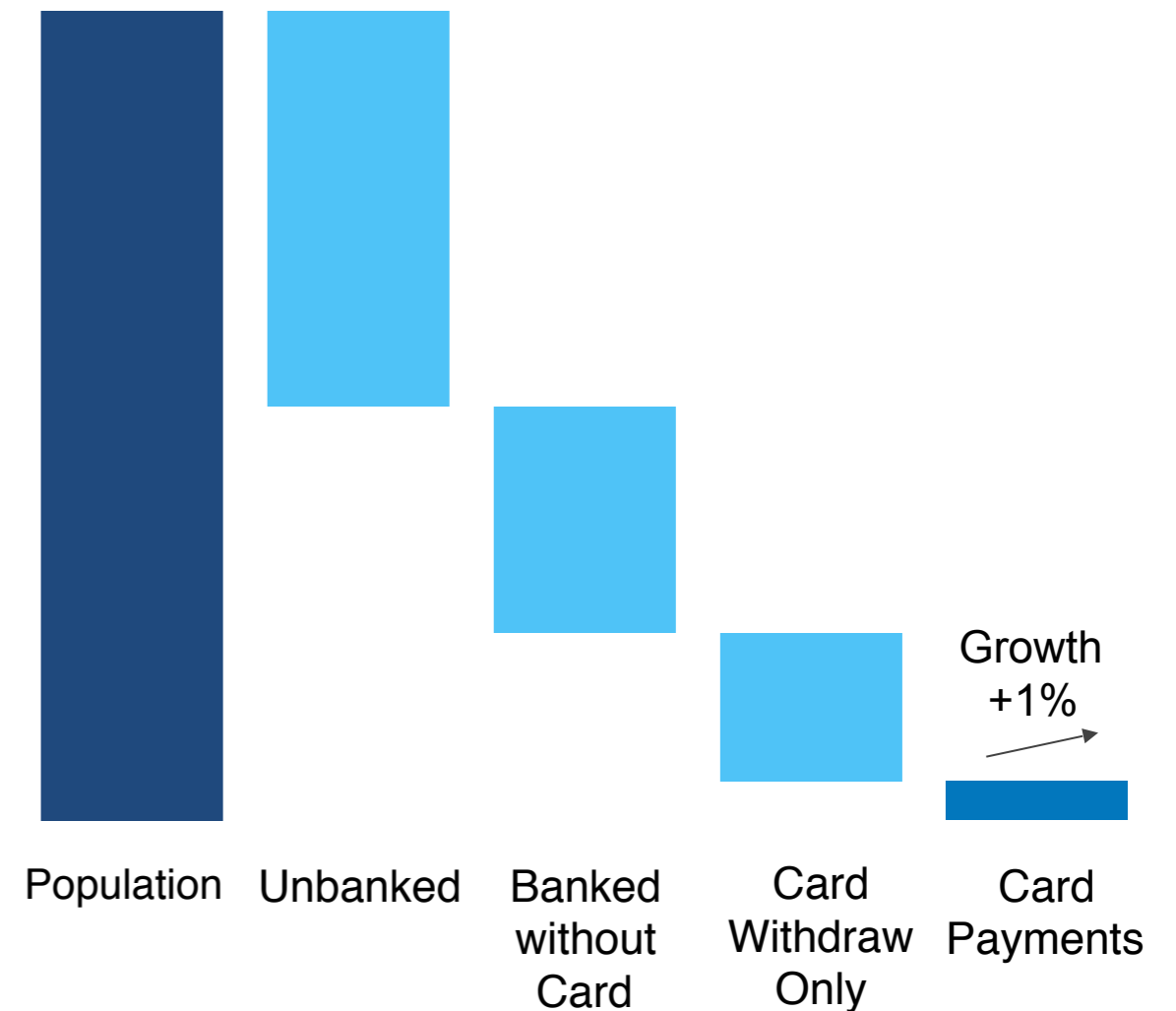
Introduction

- ❖ The Tunisian Post as a leader in financial and social inclusion,
- ❖ The first financial organization in Tunisia to introduce e-payment (2000) & m-payment (2009),
- ❖ A huge sales network for the provision of diverse services,
- ❖ Strategic plan in order to promote the provision of digital services including DFS, e-commerce, e-government, ...
- ❖ Digital Economy: Paperless but also Cashless,
- ❖ Main Assets of postal operators: Innovation, Inclusion and Trust.



Digital Financial Inclusion

- ❖ Cash Economy: Retail transactions in cash > 95%,
- ❖ Consumers using debit cards for payments <10%,
- ❖ Debit Cards penetration rate is still very low < 15%,
- ❖ Merchants accepting card payments <5%
- ❖ Merchants accepting e-payments <1%
- ❖ Customers unaware about mobile payment systems > 80%
- ❖ Merchants not accepting e-payment or m-payment systems because they are unknown.



Source: BCT, DigitUs analysis on Tunisian market



e-Dinar & MobiPoste

- ❖ Wallet: 600K e-dinar prepaid debt cards,
- ❖ 460K subscribers are using SMS / USSD based MobiPost for money transfer, bill payment, mobile airtime, debt collection, ...
- ❖ Up to 2.5M of transactions achieved per year,
- ❖ Interoperability between telcos and possible interconnection with other payment platforms.
- ❖ e-Dinar Pro, a merchant customized prepaid debt card — Point Of Sale (POS)

Mobi POSTE vous facilite la vie

Avec **Mobi POSTE**

Vous pouvez:

- Transférer de l'argent,
- Envoyer des mandats: Mawt, Western Union, Bourse, CNAM, CNSS, CNRPS, ...
- Payer des factures, ...

e-DINAR SMART

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LA POSTE TUNISIE

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| Mobi | *104# |
| Mobilfouse | *112# |
| Mobimoney | *119# |



Internet is the future

- ❖ Huge opportunities within the multistakeholder governance model,
- ❖ Internet critical resources: Domain names, IP addresses, ...
- ❖ Cybersecurity threats addressed via a social compact between all stakeholders,
- ❖ Privacy is critical & Trust is the Key of any development,
- ❖ Distributed Ledger Technology or blockchain is fostering deep change in the financial sector.

تونيس t n



Decentralized

VS

Centralized

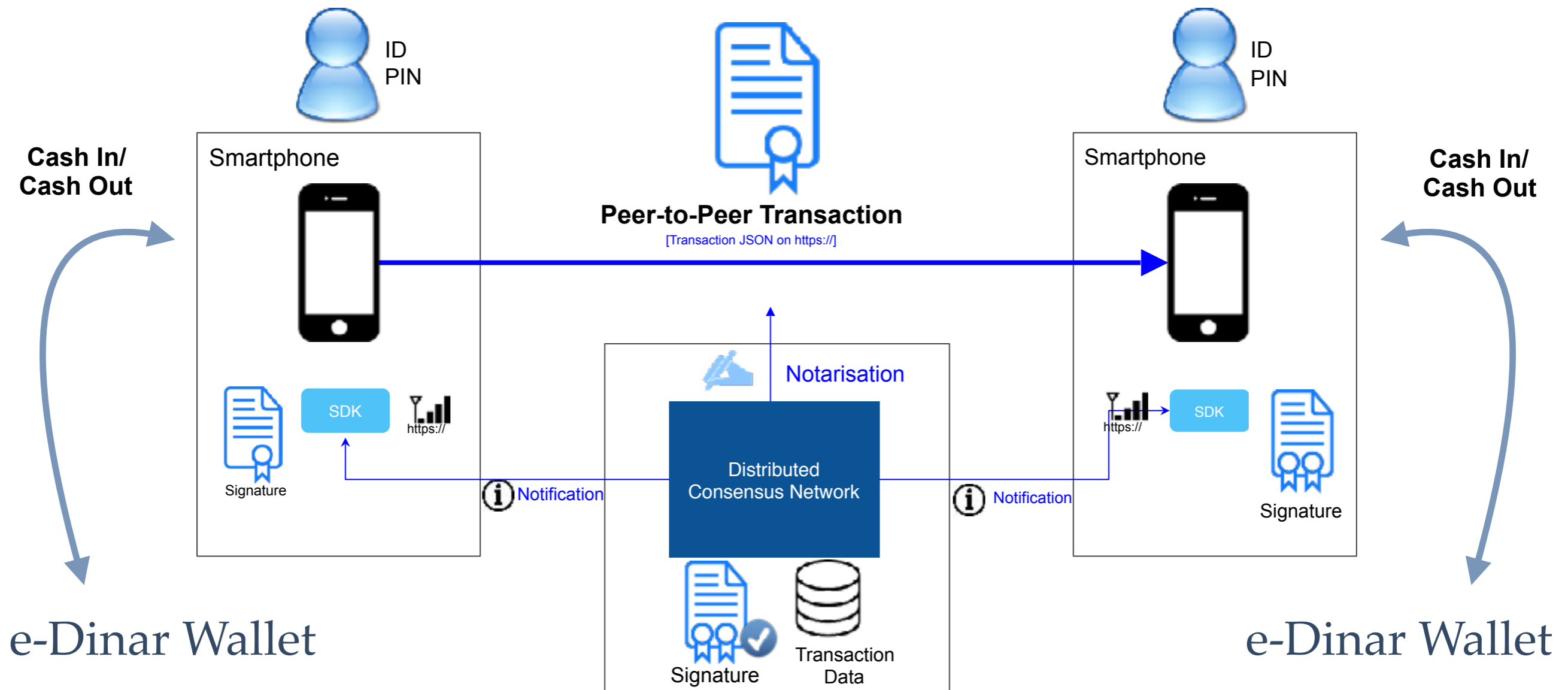


Blockchain technology

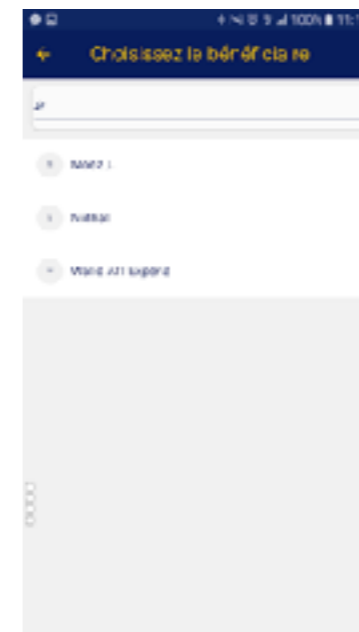
- ❖ Today's typical Banking System is regulated: Centralized Ledgers.
- ❖ Blockchain is a technology (Peer-to-Peer based technology) and is not a cryptocurrency that might need to be regulated.
- ❖ Different levels of decentralization : Distributed Ledgers
 - ❖ Level 1: Permissioned, Private, Shared Ledgers,
 - ❖ Level 2: Permissioned, Public, Shared Ledgers,
 - ❖ Level 3: Permission-less, Public, Shared Ledgers.
- ❖ Possible implementation considering sovereignty requirements in emergent economies: Tunisian Cryptocurrency (TNCoin/ eDinar).

DigiCash[©]

Transaction Architecture: Blockchain Inspired Transaction Protocol



DigiCash[©]





Thanks for your attention

Moez Chakchouk, Chairman & CEO of the Tunisian Post



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