INTERNATIONAL TELECOMMUNICATION LAWS

CONTEMPORARY CHALLENGES

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RELEVANCE OF THIS DISCUSSION

Ten issues challenging prospects of Telecom growth

1

COST

Cost of Connectivity weighs unfairly in cost of living metrics

2

PRIVACY AND DATA SECURITY

Low trust of Data Prvacy among Users

3

INDUSTRY WORKFORCE CRISIS

Perceived lack of payment and related employment issues

4

SUSTAINABILITY

Questionable sustainability promises/ lack thereof.

5

EFFICIENCY GROWTH

Users perceive little growth in efficiency through investments

6

UNRELIABLE CONNECTION

Infrastructural loopholes and lapses

7

NOVELTY

Pace of adoption of newer business models - slower

8

INEFFECTIVE ADAPTION OF 5G

Private demand for 5G not sufficiently recognized

BLOCKCHAIN X TELECOM

Blockchain has enormous potential for impact in the telecom industry, owing to:

- Telecom's large customer bases,
- Complex internal processes,
- Multiparty transactions,
- Long value chains, and
- Presence of intermediaries,

The variety of potential applications of blockchain in the telecom space is numerous, from *voice settlement* to *mobile number portability*.

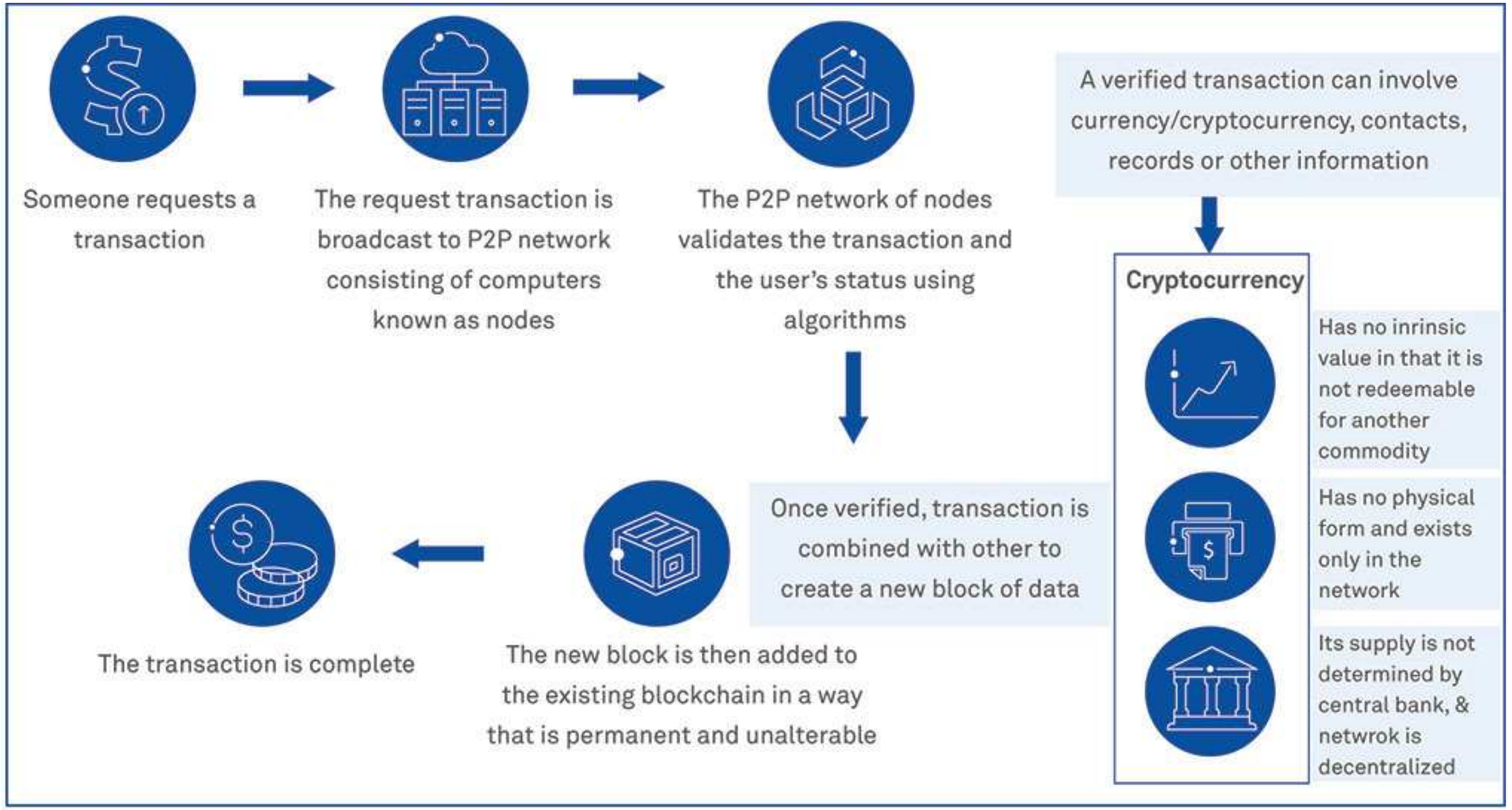

Figure 1: How Blockchain works

Telecom resilience and robustness are crucial in making every part of the transactions viable, durable and feasible.

CHALLENGES SURROUNDING USE CASES OF BLOCKCHAIN IN TELECOM

- Equitable Availability and Access
- Technological Divide
- Political Receptiveness
- Regulatory embargos and foot-dragging
- Balancing first-private movers and public utility

Blockchain usage also brings in easy-5G connectivity, which allows for:

- Sharing of faster and regulated local connectivity for reliable service to devices.
- Instant monetization of diverse connection types through smart contracts.
- Enables local connection prices purely based on supply and demand in the area.
- New business models to use idle capacity for non-prioritized traffic - furthering neutrality.

FINTECH SECTOR

Popular international examples:

Etisalat in UAE has forged partnerships with Central Bank of UAE, Abu Dhabi Bank etc. for the advent of telecom cutting-edge facilities into financial tech.

M-PESA in Kenya, MoMo Pay + MTN Mobile Money

Challenges

- Wary markers and insufficient investment
- Private unavailability of 5G network services
- CBCS, Digital currencies in rudimentary framework stage


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