

"There is a tide in the affairs of men, Which taken at the flood, leads on to fortune. Omitted, all the voyage of their life is bound in shallows and in miseries. On such a full sea are we now afloat. And we must take the current when it serves, or lose our ventures."

Julius Caesar by William Shakespeare.

A Brief look at African Trade

East Africa

Trading Empire
(1000BC – 150
AD)
Kush/Nubian
Gold, Iron,
Ivory, ebony

West Africa

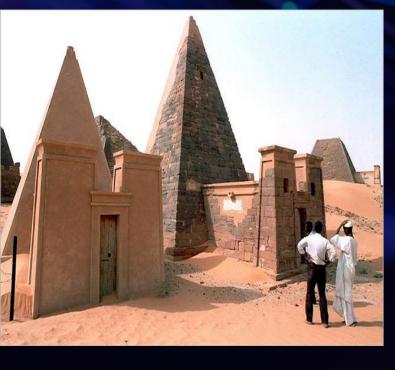
Trading Empire
(1450BC – 150
AD)
Songhai/Mali
Gold, Iron, Ivory,
Kola nuts

Southern Africa

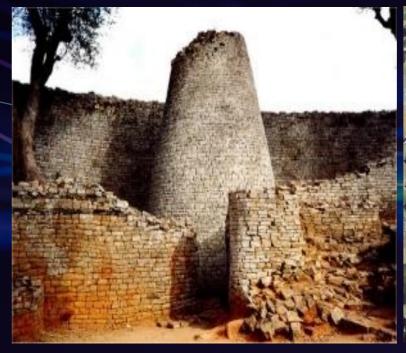
Trading Empire (1200BC – 1450 AD) Great Zimbabwe Gold, Iron, Ivory

United Kingdom

Old Oswetry Hill For (1200BC – 600BC) North West Shropshire





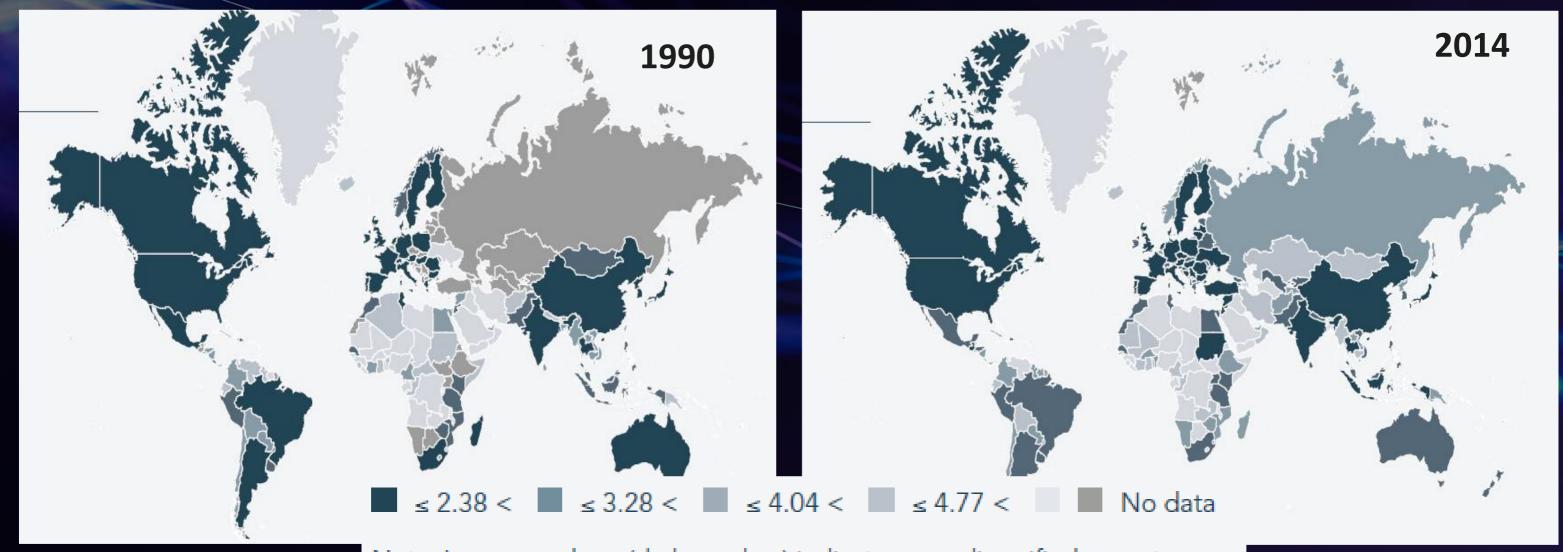




Document Classification: Unclassified

AfCFTA: Implications and opportunity

- An opportunity to deepen Economic integration
- Drive Structural Transformation
- Opportunity to drive export diversification

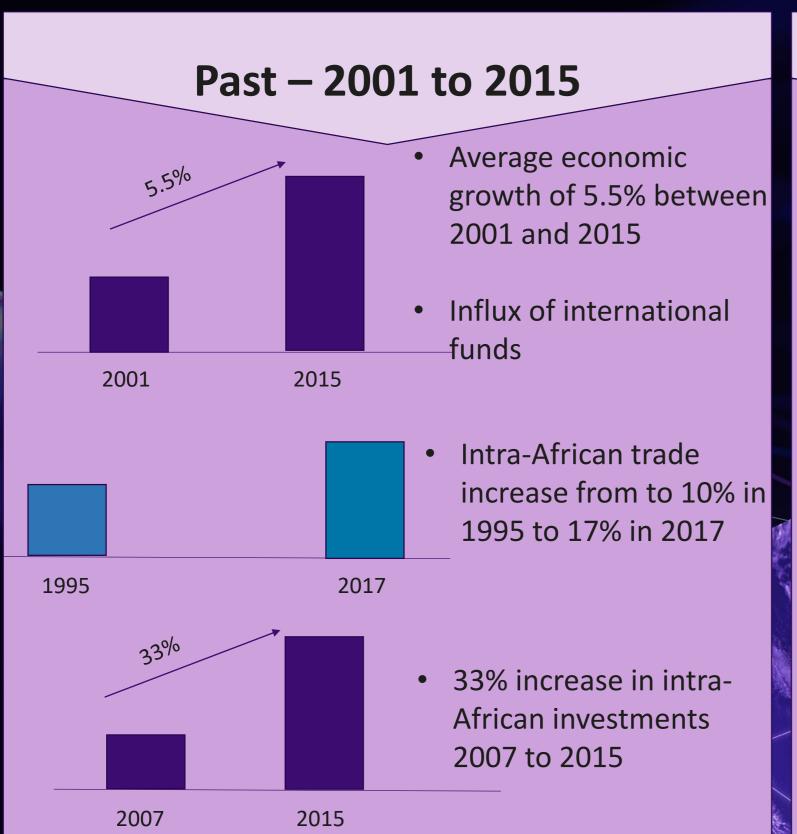


Unclassified Note: Lower numbers (darker colors) indicate more diversified exports.

Source: IMF data and author's calculation

A glimpse at Africa's Future





Future - 2020 - 2040

MIDDLE CLASS PENSIONERS



80 million

CHILDRED 130 million



330 million

ADULTS 200 million



495 million

| Total Population |
|------------------|
| (2010) |

Total Population Projected (2040)

1 billion

1.9 billion

Middle of the pyramid AfDB (\$4 - \$20 per day)



330 million



tion: Unclassified

Key Challenges we must over come...

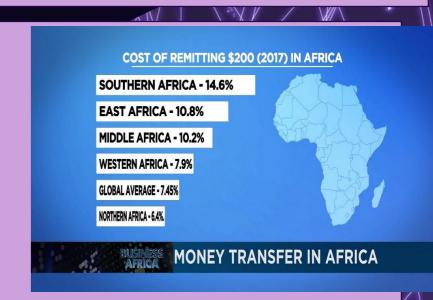
Non-Tariff Barriers

- Poor infrastructure road, rail, air
- Poor trade and customs logistics
- Poor Business environment



Reducing
Transaction
Cost - Cross
Border
Payments

- 48% settlement process outside Africa
- 39% of Africa's flow goes to US
- US only accounts for 9% of flows

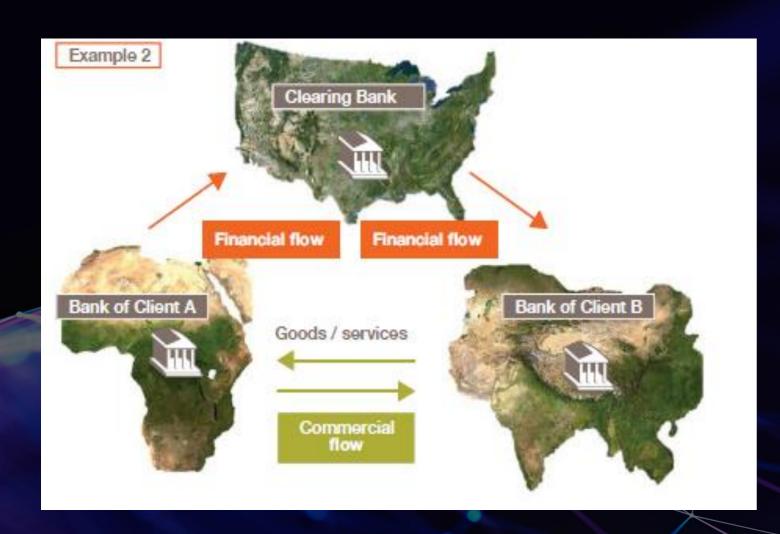


Reducing
High Energy
Cost

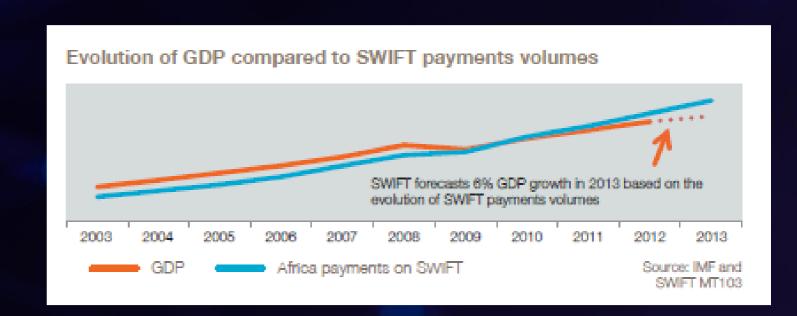
- 78% of firms in Africa had power outages
- 41% identify electricity as a constraint
- African firm experience 50hrs/month (25 days per year)

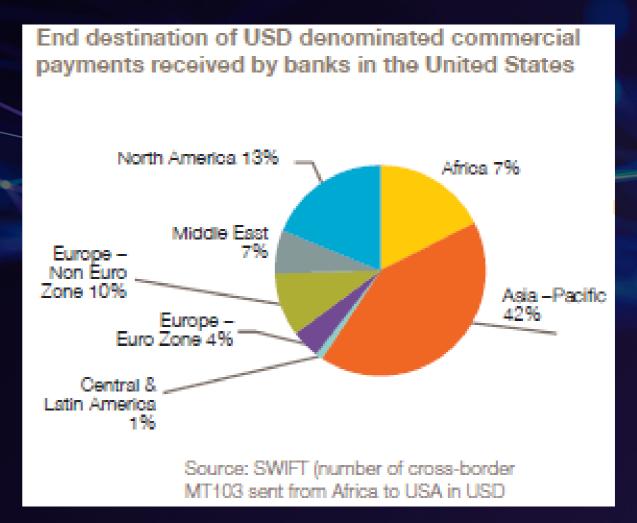


Current State: Intra-African Cross Border payments...



- Increased cost
- High liquidity for intra-African trade transactions (US\$
- Transaction time is also duration and variability is high





PAPSS Objective

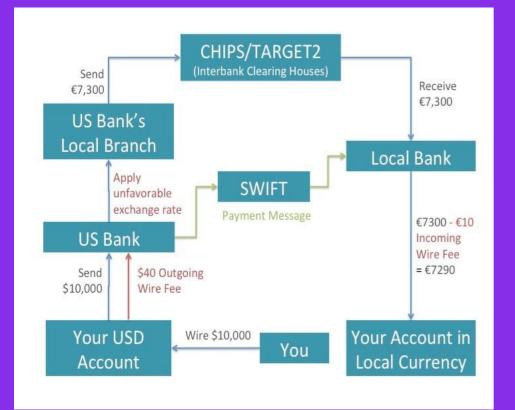
Why Pan-African Payment and Settlement System..



Promote IntraAfrican Trade
through enabling a
continental
platform that
formalizes some of
the unrecorded
informal crossborder trade



The rise of ecommerce



Alternative to highcost and lengthy correspondent banking relationships



The rise of instant payment

PAPSS Overview

PAPSS will therefore...



Outcomes





Facilitate cross border transactions and payment in local currency to increase intra-African trade



Provide Small and Medium Enterprises (SMEs) access to a larger market place and create links between MSMEs and larger manufacturing companies



Facilitate the movement of informal to formal channels



Boost trust across various parties and support intra-African investments



Promote Diversification of Africa's cross border traded products



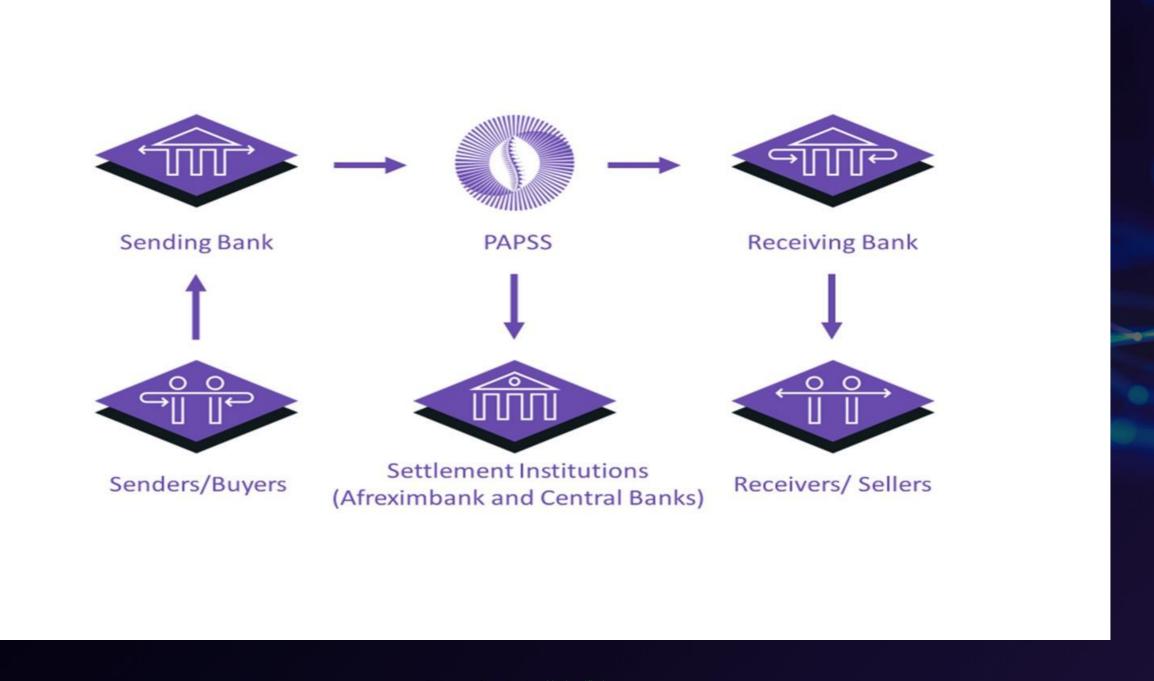
Facilitate the substitution extra-Africa trade with intra-African trade

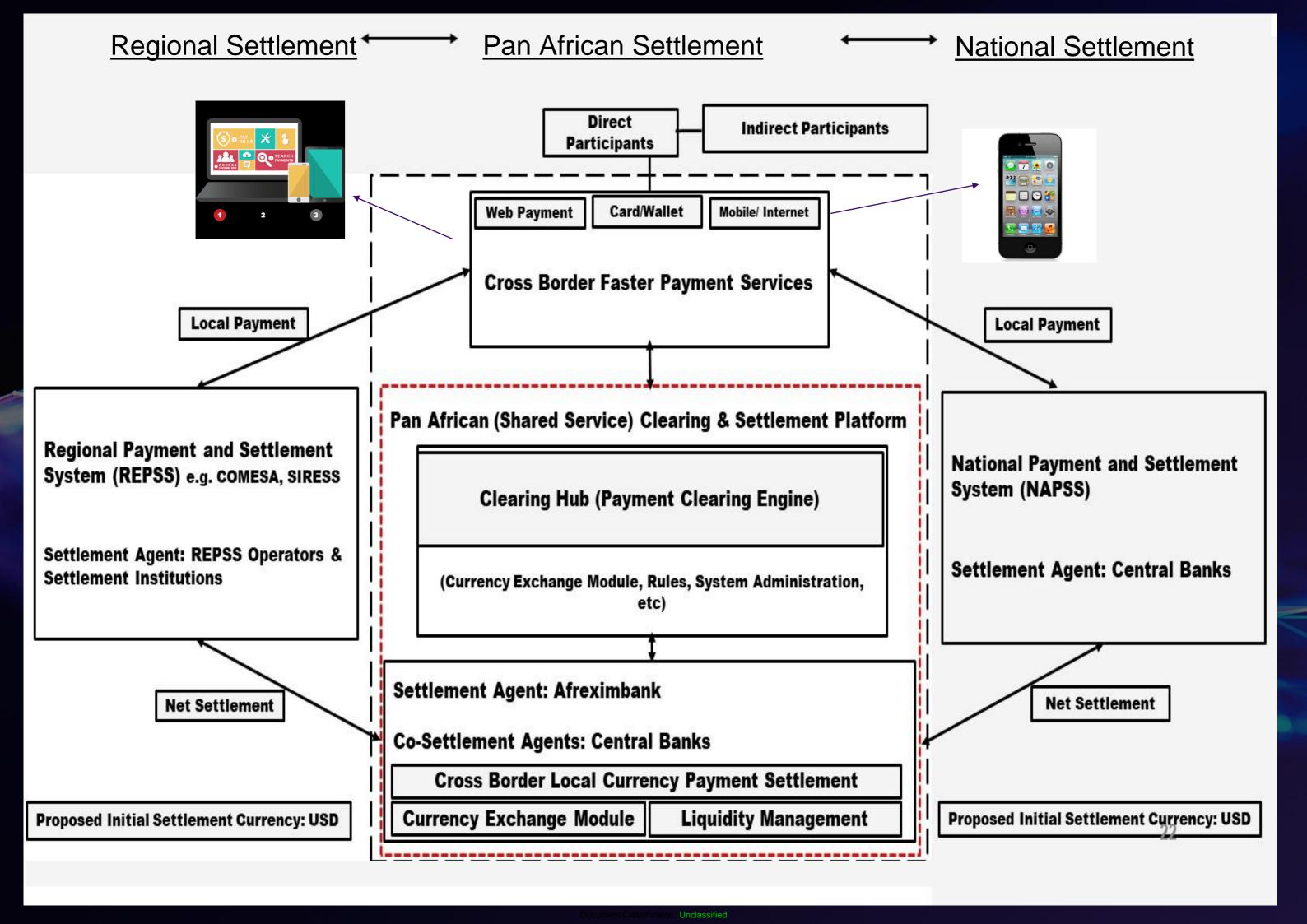
Afreximbank and its stakeholders (African central banks and commercial banks, Regional Economic/ Monetary Institutions, AU, etc.) seek to integrate Africa's financial market and provide access to a larger market at low cost through cross-border payment clearing and settlement platform, spurring intra-African trade.

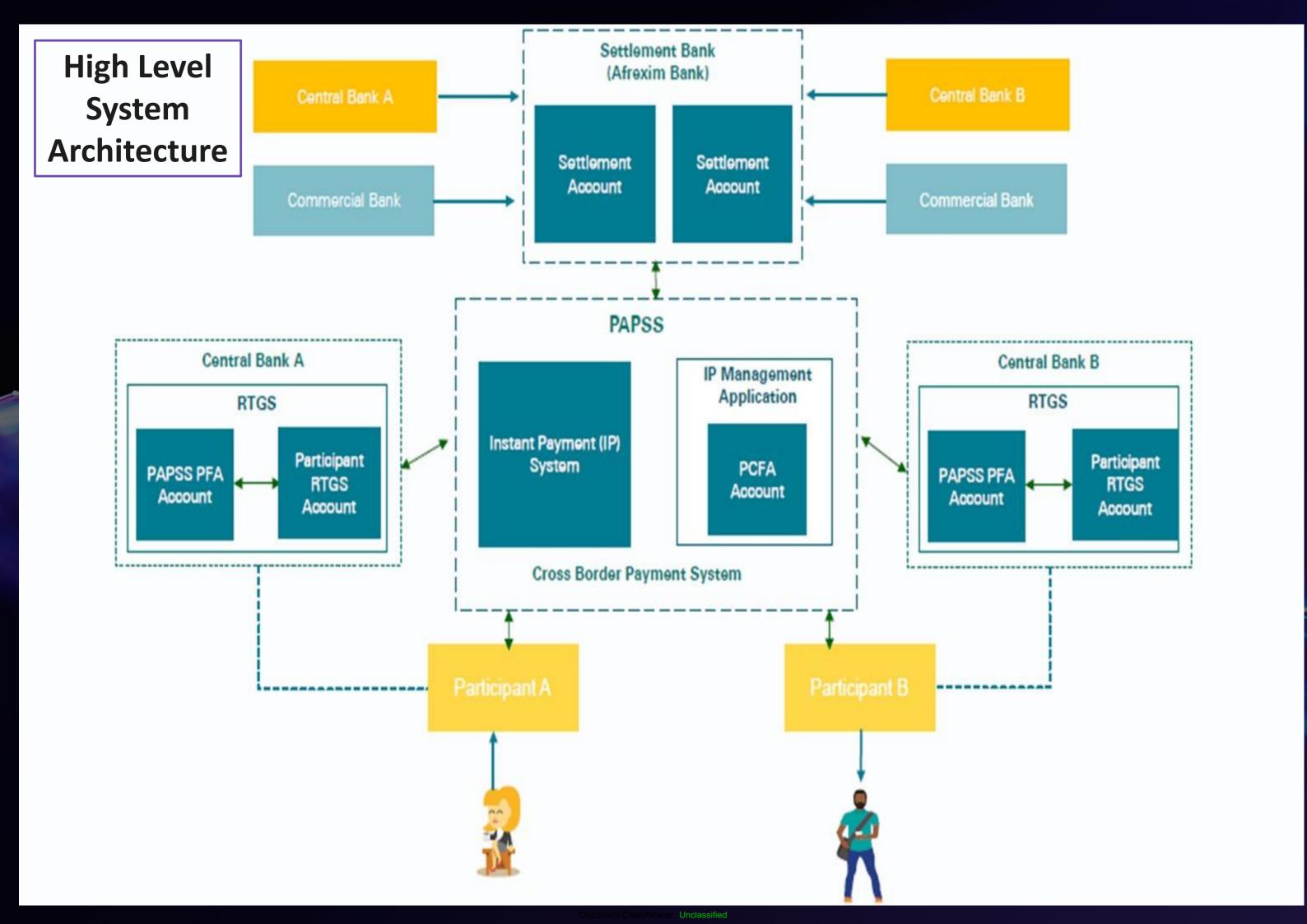
PAPSS System – Technology update

Africa's Central Switch - PAPSS

☐ PAPSS will act as a clearing switch for its participants via a centralized shared platform for cross-border payment services







Participants

Participants

Direct Participants





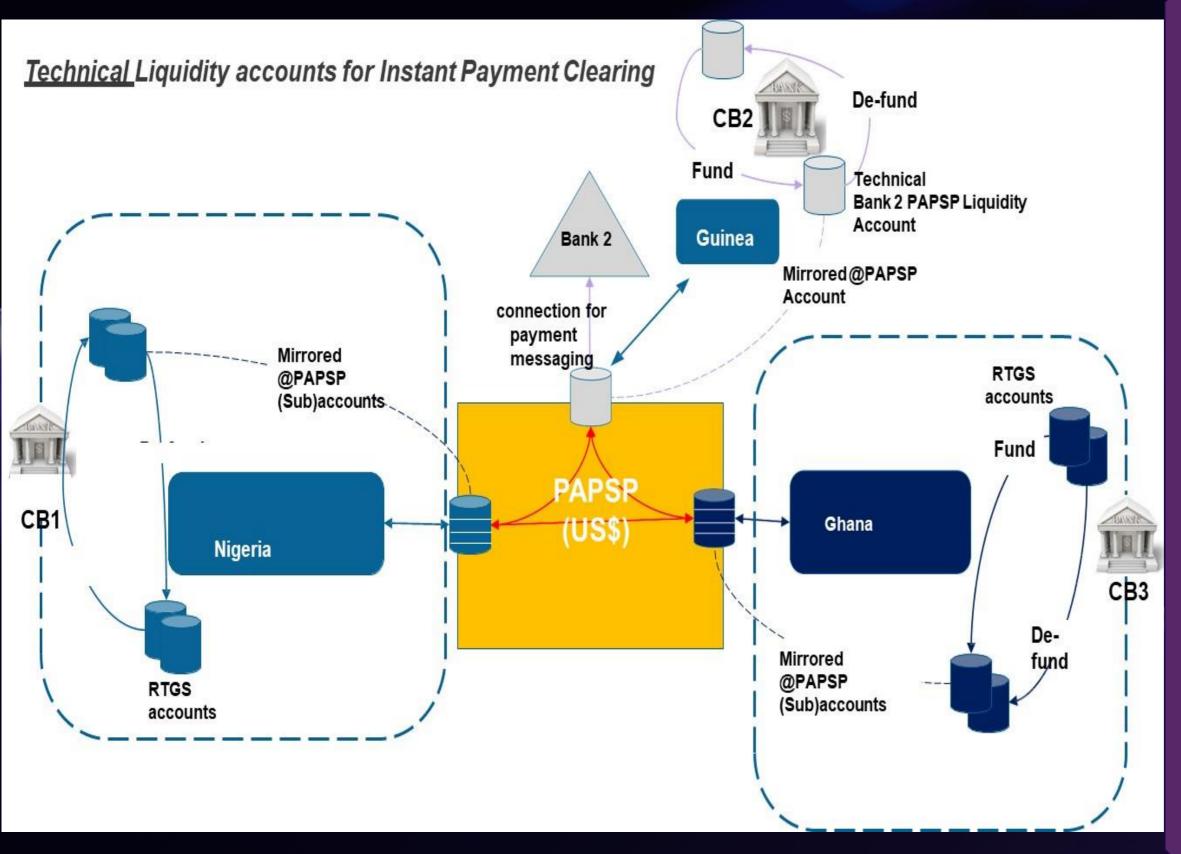
Indirect Participants





- ☐ The participation to the new system will be on voluntary basis.
- No restrictions to any AU member State as long as it is an Afreximbank member State.
- Only regulated entities (under the supervision of CB) in each country may be allowed as direct participants to use the system.
- Qualifying prerequisites shall be considered.
- Membership agreement would need to be executed and would include: membership criteria, working rules of the system, technical provisions and specifications, settlement accounts opening, provision of collateral, dispute settlement mechanism, etc.

Clearing and Settlement



Payment

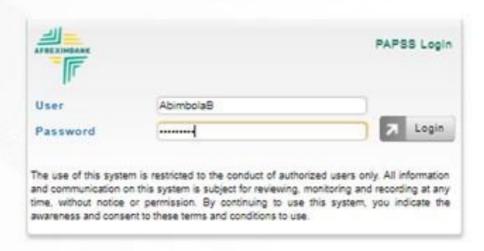
- ☐ Local Currency for payments/transfer
- ☐ Sender pay with local currency
- ☐ Beneficiaries receives local currency

Settlement

- ☐ Multi-currency
- **□** USD
- ☐ Central Banks support and cooperation required
- ☐ Banks to manage foreign exchange

PAPSS Screenshot of the System

PAPSS Login Window



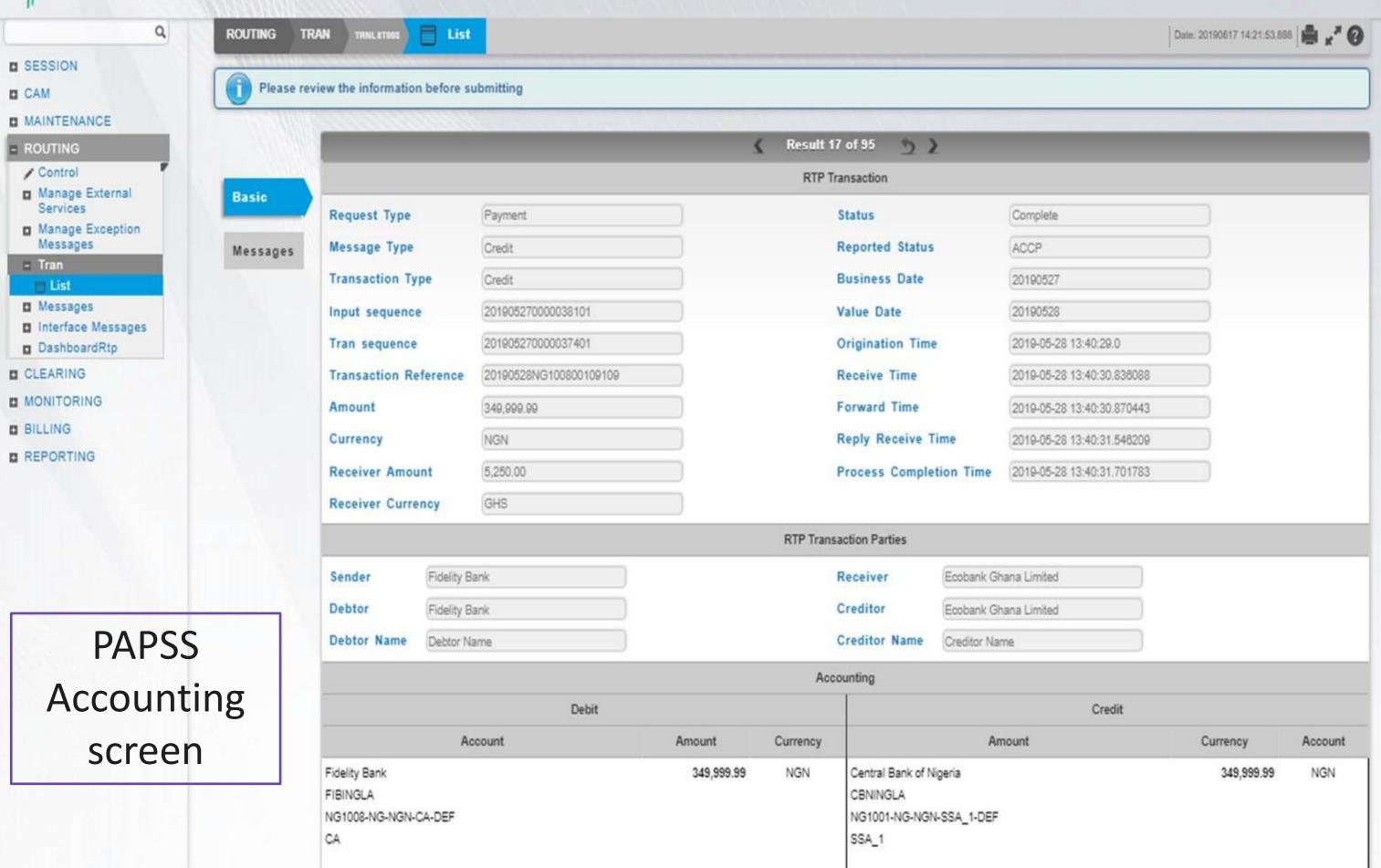
999.99

USD

PAPSS (0.8.4-20190607.1355.+0300)

Central Bank of Nigeria

CBNINGLA



999,99

USD

Bank of Ghana

BAGHGHAC

■ MAINTENANCE

ROUTING

CLEARING

■ MONITORING

BILLING

REPORTING

GH-GHS - 20190531

Last login on 20190614 15:09:05.946 from 10.22.2.70

| EVENT | BUSINESS DATE | DATE | TIME | MANUAL | STATUS |
|-------------------------|---------------|----------|-------|--------|----------|
| Settlement Window Start | 20190531 | 20190531 | 10:57 | Yes | EXECUTED |
| Settlement Window Stop | 20190531 | 20190617 | 00:00 | Yes | PRIOR |

Waiting Approve

| ENTITY | COUNTER |
|------------------|----------|
| User Profile | <u>5</u> |
| User | 5 |
| Settlement Cycle | 1 |

GM-GMD - 20190531

| EVENT | BUSINESS DATE | DATE | TIME | MANUAL | STATUS |
|-------------------------|---------------|----------|-------|--------|----------|
| Settlement Window Start | 20190531 | 20190531 | 10:57 | Yes | EXECUTED |
| Settlement Window Stop | 20190531 | 20190617 | 00:00 | Yes | PRIOR |

GN-GNF - 20190531

| EVENT | BUSINESS DATE | DATE | TIME | MANUAL | STATUS |
|-------------------------|---------------|----------|-------|--------|----------|
| Settlement Window Start | 20190531 | 20190531 | 10:57 | Yes | EXECUTED |
| Settlement Window Stop | 20190531 | 20190617 | 00:00 | Yes | PRIOR |

LR-LRD - 20190531

| EVENT | BUSINESS DATE | DATE | TIME | MANUAL | STATUS |
|-------------------------|---------------|----------|-------|--------|----------|
| Settlement Window Start | 20190531 | 20190531 | 10:57 | Yes | EXECUTED |
| Settlement Window Stop | 20190531 | 20190617 | 00:00 | Yes | PRIOR |

NG-NGN - 20190531

| EVENT | BUSINESS DATE | DATE | TIME | MANUAL | STATUS |
|-------------------------|---------------|----------|-------|--------|----------|
| Settlement Window Start | 20190531 | 20190531 | 10:57 | Yes | EXECUTED |
| Settlement Window Stop | 20190531 | 20190617 | 00:00 | Yes | PRIOR |

SL-SLL - 20190531

| EVENT | BUSINESS DATE | DATE | TIME | MANUAL | STATUS |
|-------------------------|---------------|----------|-------|--------|----------|
| Settlement Window Start | 20190531 | 20190531 | 10:57 | Yes | EXECUTED |
| Settlement Window Stop | 20190531 | 20190617 | 00:00 | Yes | PRIOR |

DEFAULT - 20190531

| EVENT | BUSINESS DATE | DATE | TIME | MANUAL | STATUS |
|-----------------|---------------|----------|-------|--------|----------|
| Daily Roll Over | 20190531 | 20190531 | 10:57 | Yes | EXECUTED |

PAPSS End of Day Reconciliation Window

SION

TENANCE

rticipant rticipant

ttlement Mapping ttlement Region

hema Codes

Rates

List

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Approve

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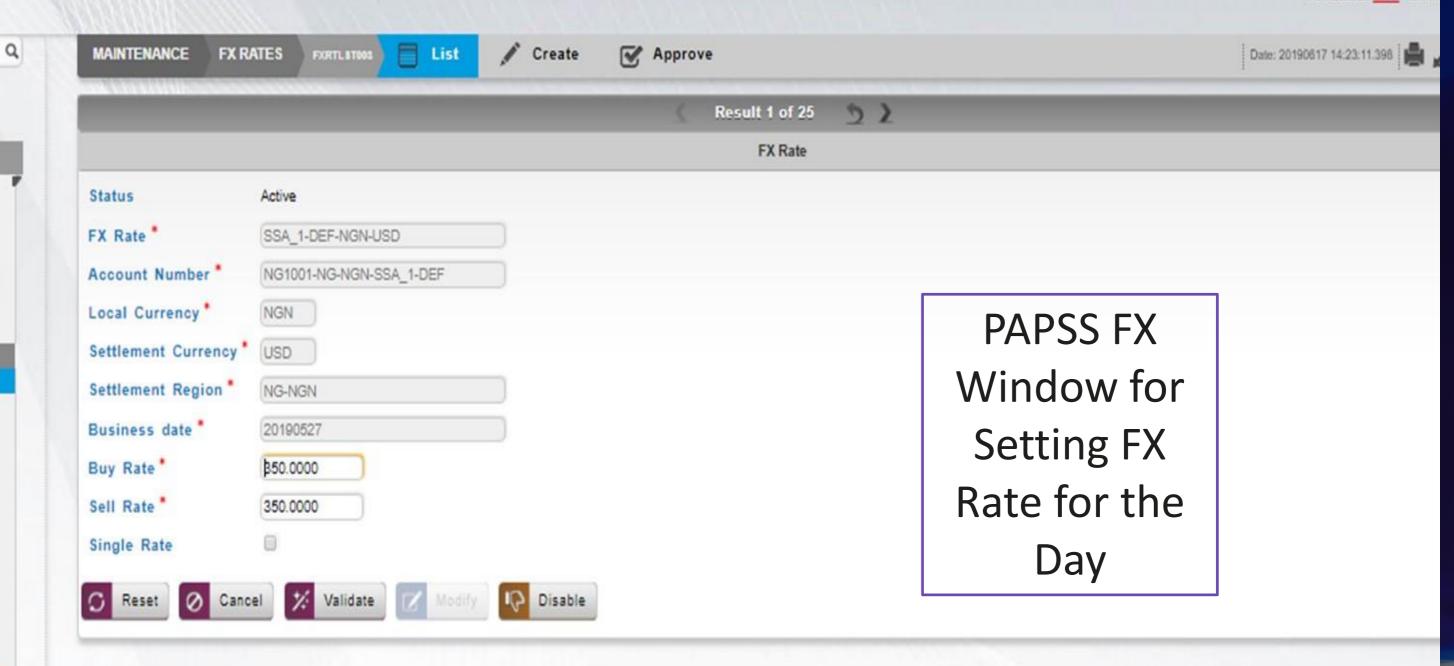
RING

ITORING

DRTING

yment Schema

Alert Status: 294 new ale



| Audit | | Audit | t Details |
|-----------|-------------|-----------------------|-----------|
| OPERATION | USER | TIME | |
| Approve | chioma | 20190528 12:41:08.452 | |
| Modify | AdetokunboO | 20190528 12:38:02.019 | |
| Approve | Admin1 | 20190518 07:48:51.858 | |
| Modify | MartinsO | 20190516 07:43:27.722 | |
| Approve | Admin1 | 20190410 11:47:25.642 | |
| Modify | Admin1 | 20190410 11:46:39.718 | |
| Enter | Admin1 | 20190410 11:38:53.190 | |

Legal & Regulatory and Risk Management Consideration

Summary of Bye-Laws

Purpose

Govern the conduct of PAPSS Payment Scheme, Payment System and all participants

Legal Basis

- Rights and interest of PAPSS
- Settlement Finality
- Enforceability of Regulations, Rules and Contract of PAPSS

Governance Structure PAPSS Governance Committee role is to coordinate the various bodies and committees who will provide PAPSS oversight and input, develop the PAPSS ecosystem and approve the PAPSS budget. The PAPSS Governance Committee is responsible for making governing decisions affecting PAPSS.

Others

- Participants Rights, Obligations etc.
- Technical Requirements
- Risk Management

PAPSS Enterprise Risk Management Framework

Phase 1: Design Framework

The activities in this phase include Design of Enterprise Risk Management Framework covering the following risk type:

- ✓ Operational Risk
- ✓ Information Risk
- ✓ Credit Risk
- ✓ Regulatory Compliance Risk inclusive of Anti-money laundering / counterterrorism funding
- ✓ Market and Investment Risk
- ✓ Custody Risk
- ✓ Liquidity Risk
- ✓ Legal Risk
- ✓ Reputational Risk
- ✓ Strategy and Business Risk

Phase 2: Design Policies and Tools

Activities include Design of Risk Policies included but not limited to:

- ✓ Risk Appetite Policy
- ✓ Operational Risk Policy
- ✓ Information Risk Policy
- √ Financial Crimes Policy
- ✓ Code of Conduct
- ✓ Code of Ethics
- ✓ Sanctions Grid
- ✓ Whistleblowing Policy
- ✓ Market and Investment Risk Policy
- ✓ Liquidity Risk Policy
- ✓ Legal Risk Policy
- ✓ Reputational Risk Policy
- ✓ Outsourcing Risk Policy
- ✓ Design of Risk Management Tools

Conclusion and Critical Success factors

Critical Success Factors for Innovation

What worked well/critical success factor

- Executive Buy-in
- Stakeholder management is key
- Detailed research and what problem as we solving (does it have scale etc.)
- Ability to bring on board other technology partners and integrate easily (MPESA etc.)

Key learnings/ things to watch out for

- How do you reduce the time to develop a product/innovation
- How do you use modern technology
 to drive mindset change for purposes
 of showcasing the solution up front
- How do you make sure your technology doesn't become obsolete (kodak challenge etc.)

