FINANCIAL INCLUSION TRIANGLE, HARNESING THE GAINS

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WHO WE ARE

The Ghana Interbank Payment and Settlement Systems Limited (GhIPSS) is a wholly owned subsidiary of the Bank of Ghana. It was incorporated in May 2007 with a mandate to implement and manage interoperable payment system infrastructures for banks and non bank financial institutions in Ghana.
OUR PORTFOLIO

National Biometric Smart Card Banking & Retail System - e-zwich®

Cheque Codeline Clearing (CCC) System

Automated Clearing House (ACH) Systems

National Switching and Processing System – gh-link™
ENABLING FINANCIAL INCLUSION WITH INTEROPERABILITY
EVOOLUTION OF INTEROPERABILITY IN GHANA

1. Interoperability at bank branch and retail levels
   - 2008: e-zwich

2. Interoperability at bank terminals
   - 2012: Banks Accounts

3. Interoperability between Mobile Money Operators
   - 2018: Mobile Wallets
* The e-zwich system uses finger print for authentication
e-zwich System Architecture

Merchant / Agent

Bank 1

Bank 2

Bank 3

Bank 4

Bank ..N

Bank 5

e-zwich - GhIPSS

Merchant / Agent

Merchant / Agent

Merchant / Agent

CENTRAL BANK
Banks Accounts

Attributes:
- Is GhIPSS interbank switching and processing system.
- Interconnects financial institutions and system of third party payment service providers.
- A local electronic payment ecosystem based on the domestic ATM card with channels such as ATM, POS and web.

Participants:
- Commercial Banks
- Rural & Community Banks
- Saving & Loans Companies
- Mobile Money Networks Operators
- Third party payment Service providers

Services:
- Payment Gateway Services
- Instant Interbank Transfer Service
- Settlement Services
- Hosting Services
- 3D Secure Services
- Interbank Switching and Processing
Mobile Money Interoperability - MMI

- Instant inter-network switching and processing system which Interconnects mobile money systems of Telecom operators
- Connects the MMI platform with the e-zwich System/gh-link platform
- Leverages the Instant Pay service of the gh-link platform

PARTICIPANTS
- 3 Telecom Providers
By interconnecting all 3 independently interoperable platforms, GhIPSS achieved what it terms as the “FINANCIAL INCLUSION TRIANGLE” creating the rails on which funds can move to and fro between platforms i.e. e-zwich cards, banks accounts and Mobile wallets.
Ghana’s Financial Inclusion Triangle - Our Observations

Reduced cost for payment service providers & their customers

F.I.T is driving access to and use of Financial Services

Increased volumes of cross wallet transfers.

Mobile Money is driving Financial Inclusion

Costs

F.I.T

Increased

Recharge Wallet

Cross wallet transfers.
Cross Wallet transactions are driving MMI Volumes
2018 Facts - e-zwich & Mobile Money

**e-zwich**
- Over 2.8 million Card holders
- Gh¢ 123 million FLOAT on cards
- Saved Government Gh¢ 21 million (Bio-search)
- Average monthly transaction of 640 Thousand

**Mobile Money**
- 32 million Registered accounts
- 13 million active accounts
- Gh¢ 2.6 billion float on wallets
- Average monthly transaction 121 million
Increased the number of organizations who make payment with electronic platforms. Egs below:

**Government Ministry/Agencies**
- National Service Secretariat
- Ministry of Health
- Nations Builders Corp (NABCO)
- Youth Employment Agency (YEA)

**Government Agencies**
- Student Loans Trust Fund
- GSOP-LIPW
- Ghana School Feeding Program
- LEAP- Livelihood Empowerment Against Poverty

**Private Agencies**
- Cargill
- Olam
- PBC
- Zoomlion
- Ghana Dock Labour
- JSDF
Impact of Mobile Money on Financial Inclusion

Financial access has expanded fast
Largely thanks to very rapid uptake of mobile money

Source: Global Findex Report, 2017 by CGAP
Lessons/ Recommendations

- Enabling Regulatory Environment
- Interoperability is key for growth
- Collaboration among all players/partners
- Availability of Technological Infrastructure