Abstract
Conversion of ordinary business into e-business has forced organizations to be redesigned and reshaped. E-business is a combination of economic, technology and market forces that reinvented strategies of traditional business. The business process is counted to use the power of computers and communication networks which are known as Internet. This can allow organizations to stay competitive and more efficient. Also, new business models have been introduced and implemented in a variety of ways.

Electronic banking, also known as electronic fund transfer (EFT), uses computer and electronic technology as a substitute for checks and other paper transactions. EFTs are initiated through devices such as cards or codes that you use to gain access to your account. The study intended to establish how value can be created in business management through electronic money transfer systems in commercial banks in Kenya. This complements an earlier study on money transfer systems in Tanzania and Uganda. This was a descriptive study where the researcher visited the selected commercial banks in Nairobi Area and asked them about the benefits of using EFT in their banks. The study targeted forty five (45) commercial banks in Kenya. Primary data were obtained using a self administered questionnaire. The data were analyzed using procedures within the Statistical Package for Social Sciences (SPSS), PC version 10.

Out of 25 respondents targeted for this study 20 of them responded to the questionnaire giving a response rate of 80%. The study found out that the study found out that various
shortcomings such as cost, long queues, losses as a result of foreign exchange and difficulty dealing with the technology of money transfer systems affected the value of business process management. Many respondents used money transfer systems because of the benefits associated with them. Among the most preferred benefits was efficiency while others that came in where reliability and speed. Most of the respondents were willing to bear any cost of an MTS as it was efficient. In addition of value to BPM, EFTs and direct debit were found to be of great importance. However the cost of MTS and other shortcomings associated with them were found to have a significant effect on the value of Business process management. The researchers recommend an improvement in the efficiency of electronic Money transfer Systems so as to reap the maximum benefits out of them in BPM.

Keywords: Electronic Money Transfer Systems, Business Process Management, Commercial Banks, Kenya

Introduction

As we enter the twenty-first century, business conducted over the Internet (which we refer to as ‘e-business’), with its dynamic, rapidly growing, and highly competitive characteristics, promises new avenues for the creation of wealth. Established firms are creating new online businesses, while new ventures are exploiting the opportunities the Internet provides. E-business has the potential of generating tremendous new wealth, mostly through entrepreneurial startups and corporate ventures. It is also transforming the rules of competition for established businesses in unprecedented ways. One would thus expect e-business to have attracted the attention of scholars in the fields of management information system, (Hitt and Ireland 2000)

Indeed, the advent of e-business presents a strong case for the confluence of the entrepreneurship and strategy research streams, as advocated by, McGrath and Macmillan (2000). Yet, academic research on e-business is currently sparse. The literature to date has neither articulated the central issues related to this new phenomenon, nor has it developed theory that captures the unique features of virtual markets.

IT has long been identified by many IT business value studies as indispensable in transforming business processes, which in turn may affect IT business value, (Benjamin and Levinson, 1993; Huang and Hub, 2007). For example, Brynjolfsson and Hitt (2000) identify that IT business value depends on complementary business processes when an organization implements a new electronic purchasing system. Brynjolfsson and Hitt indicate that the whole purchasing process may have to be redesigned while new activities or procedures such
as an electronic supplier search for public or private electronic markets are introduced at the same time. The new information systems and process redesign have to go jointly to make IT as valuable as possible for the implementing organization.

As we enter the twenty-first century, business conducted over the Internet with a lot of competitive characteristics, promises new avenues for the creation of wealth. Established firms are creating new online businesses. New ventures are also exploiting the opportunities the Internet provides, (Kenneth, 1974). E-business has the potential of generating tremendous new wealth, mostly through entrepreneurial startups and corporate ventures. It is also transforming the rules of competition for established businesses in unprecedented ways. E-business is therefore expected to attract the attention of scholars in the fields of business and management.

Mukwana and Sander, (2003) noted that Sending or receiving money for either payment of salaries, settlement of business transactions, payment of school fees, or for family support is common both for businesses and individuals. It requires efficient, reliable and affordable money transfer services whereby money can be deposited in one location and withdrawn in another in both urban and rural areas, (Loudon, 2010)

The new electronic age has differentiated the marketing of banking services. Customers nowadays demand new and differentiated financial products and services. In the essence banks must search for new strategies of marketing their products and services. With pressure from dynamic and advancement of IT, different electronic distribution channels have been adopted to meet the demands of customers in Kenyan banks, (Orbeta, 2001).

Electronic money transfer systems use computer and electronic technology as a substitute for cheques and other paper transactions. Andam (2003) noted that, electronic banking, also known as electronic fund transfer (EFT), uses computer and electronic technology as a substitute for cheques and other paper transactions. EFT is initiated through devices such as cards or codes that you use to gain access to your account. Many financial institutions use an automated teller machine (ATM) card and a personal identification number (PIN) for this purpose. The federal Electronic Fund Transfer Act (EFT Act) covers some consumer transactions. It offers different services like Direct Deposit, Automated Teller Machines, and Pay by Phone Systems etc.

Money Transfer Services refer to services in which money or funds can be transferred from one location to another with the help of several methods. Mukwana and Sander, (2003), noted that the methods are quick, dependable, and easy to process; with which money can be sent or received all over the world without any hassles. The sending payments or purchasing
money orders have never been so easy. Nowadays, the Internet has also become a highly popular method for transferring money and has services that are quick, affordable, and safe in comparison to other conventional methods.

Accumulated balance digital payment systems enable users to make micro payments and purchases on the web, accumulating a debit balance that they must pay periodically on their credit card or telephone bills. Examples are Valista’s payments plus used by ABL, Vodafone, and NTT, and disk share, which is widely used by the online newspaper and publishing industry, (Mukwana and Sander, 2003)

Online stored value payment systems enable consumers to make instant online payments to merchants and other individuals based on the value stored in an online digital account. A stored card stores information electronically on a magnetic stripe or a computer chip and can be used to purchase goods or services, (Chakrabarti, 2002). The balance recorded on the card is debited at a merchant’s point of sale terminal when consumers make a purchase. Generally stored value cards contain all the information necessary to identify the card and its value. This enables point of sale terminals in most systems to be “off line”. Stored value cards are not cash and they do not have the finality of cash. It must move through a complex payment system before a payment is completed. Some online stored value payments systems such as valista are merchant platforms; others are focused on peer-to-peer payments such as Paypal. Paypal is owned by eBay and makes it possible for people to send money to vendors or individuals who are not set up to access credit card payments.

Digital checking systems such as Pay-By-Cheque extend the functionality of existing checking accounts so they can be used for online shopping payments. Digital cheques are processed much faster than traditional paper based checking, (Andam, 2003).

Electronic billing presentment and payment systems are used for paying routine monthly bills. They enable users to view their bills electronically and pay them through electronic fund transfers from the bank or credit card accounts. Electronic bill presentment and payment (EBPP) is a process that enables bills to be created, delivered, and paid over the Internet. The service has applications for many industries, from financial service providers to telecommunications companies and utilities. These services notify purchasers about bills that are due, present the bills and process the payment. Some of these services such as check free consolidate subscriber’s bills from various sources so that they can all be paid at one time, (Laudon, 2010).

Although buying products over the Internet with a credit card has become a common occurrence, viewing the credit card bill itself and making payments to settle the bill
electronically has not. This has dramatically changed as new EBPP products have been introduced that include features such as secure e-mail delivery. EBPP technology has become more common in business-to-business e-commerce (Chaum, 1992).

Andam (2003) pointed out that, in Kenya commercial banks operate under the Banking Act of 1995 and are regulated and supervised by the Central Bank of Kenya. This also places restrictions on the types of services banks can offer and imposes limits on risks a bank can take with its capital.

The five largest commercial banks in Kenya are Kenya Commercial Bank, Barclays Bank, Standard Chartered Bank, Cooperative Bank and National Bank of Kenya; they dominate the banking system with 300 of the total 494 branches and accounting for 72.1% of the total deposit base of KShs. 344 billion (Oketch, 2001). The majority of the 494 branches are concentrated in the major urban areas (Nairobi, Mombasa, Kisumu, Nakuru and Eldoret) (Economic Survey 2002). (Central Bank, 2002) Commercial bank products in Kenya are fairly standard in nature and include savings accounts, current accounts, credit or debit cards, and money transfer services catering mainly for corporate clients and high-income individuals.

In recent years, commercial banks have invested significantly in products that require high levels of automation and expensive equipment for online transfers and home banking. Services such as ATMs, different card products, branchless banking and online transfers greatly improve the efficiency of banks; at the same time the required initial investment is high and has increased costs to the client. Factors such as the locations of bank networks, minimum balance requirements, and levels of automation are among the main factors which limit the access of low-income people to bank services, (Argwings Kodhek and Jayne, 1996).

**Problem of Research**

The world has witnessed an IT revolution which has touched every aspect of people’s life including banking, (Siam, 2006). Technology has introduced new ways of delivering banking services and products to the customers such as ATMs, and internet banking (IB). Hence banks have found themselves at the forefront of technology adoption in the past three decades (Sing, 2002). These changes and developments in the banking industry have impacts on the quality and future of the banking activities, and consequently on its continually competitive ability in the world markets since going along with technology is one of the most important factors of economic organizations success in general and banks in particular (Siam, 2006). This motivates banks to spend more on technology and information to achieve maximum returns and attract a large number of clients. According to Sing (2002) efficient
and reliable communications and computer systems, including management information system (MIS), are essential in operating a money transfer service. This is because speed and reliability are key product features for entering the market. Bus and courier companies, for instance, have become popular because of their ability to provide overnight or even same day physical transfer of money. On the other hand, POSTA lost significant business when it withdrew its telegraphic money orders that could provide same day or overnight delivery.

Commercial banks are the major players in the money transfer business in Kenya, servicing mainly large users and, to a smaller extent, low-income users, (Andam, 2003). Among the commercial bank instruments, telegraphic transfers, electronic funds transfers and bank drafts are typically used for large value transfers, as they offer the cheapest service for the transfer of large amounts.

The study intended to establish how value can be created in business management through electronic money transfer systems in commercial banks in Kenya. This complements an earlier study on money transfer systems in Tanzania and Uganda. The team used Micro-Save Africa’s (MSA) qualitative research methods with in-depth interviews and focus group discussions with service providers and with users, particularly in the low-income segment. Therefore there was a need for a study to be conducted on the value of electronic money transfer systems in business process management in commercial banks in Kenya. Although Research has been done in money transfer systems none has been done in commercial banks in Kenya, (Katherine L. 1998)

Research Focus

This study sought to find out how an electronic money transfer system is both a strategic and a turnaround activity in the banking sector. Banks that were slow on their feet in embracing this technology have found a large chunk of their market niche grabbed from under their feet by the banks that revamped their money transfer system and services capabilities and are offering fast and better services coupled with a wide variety of banking products. This study sought to identify the value of electronic money transfer services in commercial banks which operate in Kenya by addressing the following research questions: - What are the benefits associated with the use of electronic money transfer systems in business process management in commercial banks in Kenya? What are the challenges facing electronic money transfer system in commercial banks in Kenya?

The main objective of the research was to investigate how value can be created in business process management through electronic money transfer systems in commercial banks. The two specific objectives of this study were: to establish the benefits of electronic
money transfer systems in business process management in the commercial banks in Kenya; and to determine the challenges facing the use of electronic money transfer in the commercial banks in Kenya.

**Methodology of Research**

**General Background of Research**

This was a descriptive study where the researcher visited the selected commercial banks in Nairobi Area and asked them about the benefits of using EFT in their banks. The study employed both quantitative and qualitative methods through the use of questionnaires to provide predominantly quantitative and qualitative data to the study. The qualitative data were used to shed some light on the quantitative data to enable the investigation of the research problem in more depth. The respondents were interviewed in their natural setups so as to provide more information freely.

Mugenda and Mugenda, (2003) noted that descriptive research design is used when the problem has been well designed and where the researcher can engage in a survey by going to the population of interest in order for the respondents to explain certain features about the problem under study. Primary data collected from such study is more reliable and up to date.

**Sample of Research**

Mugenda and Mugenda (1999), define population as an entire group of individuals, events or objects having common observable characteristics. The study targeted forty five (45) commercial banks in Kenya. The target population in this study was the staff in the commercial banks that included top level managers, middle level managers and lower level managers. This made it easy to get adequate and accurate information necessary for the research.

Interviewees included: top managers, middle and lower managers of medium and large commercial banks under study. Based on the number of banks within the Province an appropriate sample size was selected. Random sampling was applied to select the identified number of banks to be studied and thereafter a sample of managers and senior staffs were selected.

**Instrument and Procedures**

Primary data were obtained using a self administered questionnaires. Primary data is fact, assumptions and premises contained in various documentary sources (Kothari C.R, 1990). The questionnaires with both open and closed ended questions were used to collect both qualitative and quantitative data to answer related questions. The “Drop and Pick” method was used to obtain feedback alongside personal and telephone interviews especially for those respondents who need clarification and filling of the questionnaires.
The questionnaire comprised of (3) sections to determine the fundamental issues including the demographic characteristics of the respondents. The second section focused on money transfer systems and the third part focused on the identification of the value of money transfer systems in e-business management banks.

The questionnaire was self-administered by the researcher and each questionnaire was coded and only the researcher knew which person responded. The coding technique was used for the purpose of marching the completed questionnaire with those delivered to the organizations.

Before commencing data collection permission to conduct the research was sought from the management of the commercial banks. Thereafter the researcher visited the top managers of the banks under study in order to bond with those who were to participate and make arrangements when to administer the questionnaires. The questionnaires were delivered to the respondent at the agreed venue on the appointed date. The respondents were given humble time to fill the questionnaire. Lastly, the filled questionnaires were collected after one week for analysis.

**Data Analysis**

Raw data collected from the field was sorted and summarized in tables and diagrams. The process of data analysis involved several stages. Completed questionnaires were edited for completeness and consistency. The data was then being coded and checked for any errors and omissions (Kaewsonth & Harding, 1992). The data were analyzed using procedures within the Statistical Package for Social Sciences (SPSS), PC version 10. The responses from part one to part three were analyzed to answer the research objectives. The responses from the open-ended questions were coded; the mean and standard deviation were used for likert-scale responses. For closed questions, a comparative analysis using distribution tables, quartiles (percentiles) and graphical analysis were done to improve the presentation of the analyzed results for ease of interpretation.

**Results of Research**

Out of 25 respondents targeted for this study 20 of them responded to the questionnaire giving a response rate of 80%. This was a good turn-up and adequate enough for the study since according to Mugenda 2003, 50% of the response rate are adequate enough to carry out a study.

**Demographic Information**

The research sought to establish the gender of the investors sampled. The majority of the respondents involved in the study were male representing 79.2% whereas 20.8% were female. The majority of the respondents had worked in the banking sector for a period of
between 3-5 years while the minority had worked for a period of 6-10 years. These results indicated that many of the respondents had a clear understanding of the value of money transfer systems on business management as their years of work had allowed them to learn more from their organizations.

**Preference in Electronic Money Transfer**

The study sought to find out the respondent’s important preference in electronic money transfer. The results indicated that 11 (55%) of the respondents preferred efficiency, 7 (35%) preferred speed while 2 (10%) preferred reliability. None of the respondents preferred low cost of money transfer systems while majority 55% of the respondents preferred efficiency while minority (2%) preferred reliability. This indicated that managers were willing to bear the cost of money transfer system as far as it was bringing efficiency. Respondents further added that electronic money transfer facilitated them to live in a more relaxed way since they could easily access banking services. They further commented that electronic money transfer systems has substituted traditional banking as well as reduced wastage.

**Use of Various Money Transfer Systems in the banking Industry**

The study sought to establish the extent to which banks use various money transfer systems. The respondents were asked to indicate this on a five-likert scale where 1=Not at all; 2=less extent; 3=Moderate extent; 4=Large extent; 5=very great extent. The descriptive and factor analysis output are as in table 1 below.

<table>
<thead>
<tr>
<th>Money Transfer Systems.</th>
<th>f</th>
<th>fx</th>
<th>∑fx/∑f</th>
<th>Std. D</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFT</td>
<td>20</td>
<td>00</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>Telegraphic MTS</td>
<td>12</td>
<td>09</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Mail transfers</td>
<td>08</td>
<td>09</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>Direct debit</td>
<td>09</td>
<td>07</td>
<td>04</td>
<td>00</td>
</tr>
<tr>
<td>Ordinary cheque</td>
<td>08</td>
<td>09</td>
<td>00</td>
<td>02</td>
</tr>
</tbody>
</table>

Source: Research Data

From the research data in table 1, the respondents’ opinion is that to a very high extent banks use EFT (Mean ≥ 4.5 = very high extent, with a significant standard deviation), as a money transfer system. Whereas telegraphic MTS, mail transfers, direct debit and ordinary cheque are used to a high extent (Mean ≥ 3.5 = high extent, with a significant standard deviation) as money transfer system

**Efficiency of Money Transfer Systems**

The study sought to establish the efficiency of the money transfer systems used by the banks. The respondents were asked to rate the efficiency on a five-point likert scale; 5=Very Efficient; 4=efficient; 3=Neutral; 2=Fairly Efficient; 1=Inefficient.
Table 2 Efficiency of Money transfer systems

<table>
<thead>
<tr>
<th>Money transfer systems</th>
<th>f</th>
<th>fₓ</th>
<th>∑fₓ/∑f</th>
<th>Std. D</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFT</td>
<td>20</td>
<td>00</td>
<td>00</td>
<td>100</td>
</tr>
<tr>
<td>Telegraphic MTS</td>
<td>12</td>
<td>02</td>
<td>00</td>
<td>84</td>
</tr>
<tr>
<td>Mail transfers</td>
<td>02</td>
<td>04</td>
<td>02</td>
<td>44</td>
</tr>
<tr>
<td>Direct debit</td>
<td>09</td>
<td>07</td>
<td>04</td>
<td>85</td>
</tr>
<tr>
<td>Ordinary cheque</td>
<td>08</td>
<td>09</td>
<td>02</td>
<td>80</td>
</tr>
</tbody>
</table>

Source: Research Data

From the research data in table 2, the respondents’ opinion is that EFT is very efficient (Mean ≥ 4.5 = very efficient, with a significant standard deviation), as a money transfer system. Whereas telegraphic MTS, direct debit and ordinary cheque were said to be efficient (Mean ≥ 3.5 = efficient, with a significant standard deviation) as money transfer system. Mail transfer was rated as fairly efficient.

The study had also sought to establish the Efficiency of service delivery by various Money transfer systems used by the banks. The respondents were asked to rate the efficiency on a five-point Likert scale 5=Very Efficient; 4=efficient; 3=Neutral; 2=Fairly Efficient; 1=Inefficient.

Table 3 service delivery Efficiency of Money transfer systems

<table>
<thead>
<tr>
<th>MTS and Service delivery</th>
<th>f</th>
<th>fₓ</th>
<th>∑fₓ/∑f</th>
<th>Std. D</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFT</td>
<td>18</td>
<td>02</td>
<td>00</td>
<td>100</td>
</tr>
<tr>
<td>Telegraphic MTS</td>
<td>12</td>
<td>02</td>
<td>02</td>
<td>84</td>
</tr>
<tr>
<td>Mail transfers</td>
<td>02</td>
<td>04</td>
<td>02</td>
<td>44</td>
</tr>
<tr>
<td>Direct debit</td>
<td>09</td>
<td>07</td>
<td>04</td>
<td>85</td>
</tr>
<tr>
<td>Ordinary cheque</td>
<td>08</td>
<td>09</td>
<td>02</td>
<td>80</td>
</tr>
</tbody>
</table>

Source: Research Data

From the research data in table 3, the respondents’ opinion is that EFT is very efficient in service delivery (Mean ≥ 4.5 = very efficient, with a significant standard deviation), as a money transfer system. Whereas telegraphic MTS, direct debit and ordinary cheque were said to be efficient in service delivery (Mean ≥ 3.5 = efficient, with a significant standard deviation). Mail transfer was rated as fairly efficient in service delivery (Mean ≥ 1.5 = fairly efficient, with a significant standard deviation).

From the research data, the respondents indicated that to a very often extent they perform transactions online ≥ 4.5 = Very high extent, with a significant standard deviation). The respondents equally indicated that it is very difficult to perform transactions online (Mean ≥ 4.5 = Very high extent, with a significant standard deviation). This was a clear indication of the challenges encountered in using the EFT.
Electronic Money Transfer Systems and Value in Business Process Management

The study sought to establish the extent to which electronic money transfer systems create value in business process management. The rating was done on a five point likert scale: 1=Not at all; 2=less extent; 3=Moderate extent; 4=Large extent; 5=very great extent. The descriptive and factor analysis output are as in table 4 below.

Table 4: Electronic money transfer systems and value in business process management

<table>
<thead>
<tr>
<th>Electronic money transfer systems and value in business process management</th>
<th>f</th>
<th>fx</th>
<th>( \sum fx/\sum f )</th>
<th>Std. D</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFT</td>
<td>18</td>
<td>02</td>
<td>00</td>
<td>00</td>
</tr>
<tr>
<td>Telegraphic MTS</td>
<td>12</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Mail transfers</td>
<td>02</td>
<td>04</td>
<td>10</td>
<td>02</td>
</tr>
<tr>
<td>Direct debit</td>
<td>09</td>
<td>07</td>
<td>04</td>
<td>00</td>
</tr>
<tr>
<td>Ordinary cheque</td>
<td>08</td>
<td>09</td>
<td>00</td>
<td>02</td>
</tr>
</tbody>
</table>

From the research data in table 4, the respondents’ opinion is that EFT to a very great extent (Mean ≥ 4.5 = very efficient, with a significant standard deviation) contributes to value creation in business process management as a money transfer system. Whereas telegraphic MTS, direct debit and ordinary cheque were said to contribute to value in business process management to a high extent (Mean ≥ 3.5 = efficient, with a significant standard deviation). Mail transfer was rated to be contributing to and process management to a less extent (Mean ≥ 1.5 = less extent, with a significant standard deviation).


Among the responses given by respondents on major shortcoming of facing electronic money transfer systems was skills gap, poor information communication structure, there were no clear guidelines/policies guiding infrastructure and problems of audit trail issues.

The study sought to establish the extent to which various challenges affect the value of MTS in business process management. The respondents were asked to rate the effect on a five-point likert scale 5=Very high extent; 4=high extent; 3=Neutral; 2=low extent; 1=very Low extent.
Table 5 Challenges affecting the value of MTS in business process management

<table>
<thead>
<tr>
<th>Challenges</th>
<th>f</th>
<th>fx</th>
<th>Δfx/∑f</th>
<th>Std. D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delays in transferring money</td>
<td>20</td>
<td>00</td>
<td>00</td>
<td>20</td>
</tr>
<tr>
<td>Long queues to send or receive payment</td>
<td>12</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Long identification procedure</td>
<td>09</td>
<td>07</td>
<td>04</td>
<td>00</td>
</tr>
<tr>
<td>Network limitations and illiquidity of branches</td>
<td>08</td>
<td>09</td>
<td>00</td>
<td>02</td>
</tr>
<tr>
<td>Unreliable communication systems</td>
<td>12</td>
<td>02</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>Foreign exchange losses due to lower exchange-Rates paid for money sent</td>
<td>02</td>
<td>04</td>
<td>10</td>
<td>02</td>
</tr>
<tr>
<td>High cost of transactions</td>
<td>02</td>
<td>04</td>
<td>10</td>
<td>02</td>
</tr>
</tbody>
</table>

Source: Research Data

From the research data in table 5, the respondents’ opinion is that delays in transferring money to a very large extent (Mean ≥ 4.5 = very high extent, with a significant standard deviation), are a challenge affecting value of MTS in business process management as a money transfer system. Whereas Long queues to send or receive payment, Long identification procedure, Network limitations and illiquidity of branches, Unreliable communication systems, and Foreign exchange losses due to lower exchange rates paid for money sent affect value of MTS in business process management to a high extent (Mean ≥ 3.5 = high extent, with a significant standard deviation). High cost of transactions to a low extent (Mean ≥ 1.5 = low extent, with a significant standard deviation) affects value of MTS in business process management.

Summary of the Findings

The response rate for the study was 80% with 65% being male while 35% were female. The age bracket for the respondents ranged was 21 to over 45 years with the majority of the respondents aged between 21 – 30 years. 35% of the respondents which formed the majority had worked in the banking sector for a period between 6-10 year.

The study revealed that the majority (55%) of the respondents preferred efficiency, 7 (35%) preferred speed while the 2 (10%) preferred reliability. None of the respondents preferred low cost of money transfer systems while majority 55% of the respondents preferred while minority (2%) preferred reliability. This indicated that managers were willing to bear the cost of money transfer system as well as it was bringing efficiency. Respondents further added that electronic money transfer facilitated them to live in a more relaxed way since they could easily access banking services. They further commented that electronic money transfer systems has substituted traditional banking as well as reduced wastage.

It was also revealed that that to a very high extent banks use EFT (Mean ≥ 4.5 = very high extent, with a significant standard deviation), as a money transfer system. Whereas
telegraphic MTS, mail transfers, direct debit and ordinary cheque are used to a high extent
(Mean ≥ 3.5 = high extent, with a significant standard deviation) as money transfer system.

In terms of efficiency of money transfer systems, the study found out that EFT is very
efficient (Mean ≥ 4.5 = very efficient, with a significant standard deviation), as a money
transfer system. Telegraphic MTS, direct debit and ordinary cheque were said to be
efficient (Mean ≥ 3.5 = efficient, with a significant standard deviation) as money transfer
system. Mail transfer was rated as fairly efficient, in relation to service delivery the study
found out that EFT is very efficient in service delivery (Mean ≥ 4.5 = very efficient, with a
significant standard deviation), as a money transfer system. Telegraphic MTS, direct debit
and ordinary cheque were said to be efficient in service delivery (Mean ≥ 3.5 = efficient,
with a significant standard deviation). Mail transfer was rated as fairly efficient in service
delivery (Mean ≥ 1.5 = fairly efficient, with a significant standard deviation).

Relating to e-commerce the study revealed that to a very often banks perform
transactions online (Mean ≥ 4.5 = Very high extent, with a significant standard deviation) further it
was revealed that it is very difficult to perform transactions online (Mean ≥ 4.5 = Very high
extent, with a significant standard deviation). This was a clear indication of the challenges
encountered in using the EFT.

The shortcomings facing electronic money transfer systems were identified as: skills
gap, poor information communication structure, there were no clear guidelines / policies
guiding infrastructure and problems of audit trail issues. It was further revealed delays in
transferring money to a very high extent (Mean ≥ 4.5 = very high extent, with a significant
standard deviation), are a challenge affecting value of MTS in business process management
as a money transfer system. Long queues to send or receive payment, Long
identification procedure, Network limitations and illiquidity of branches, Network
limitations and illiquidity of branches, Unreliable communication systems, and Foreign
exchange losses due to lower exchange-Rates paid for money sent affect value of MTS in business process management to a high extent (Mean ≥ 3.5 = high extent, with a significant
standard deviation). High cost of transactions to a low extent (Mean ≥ 1.5 = low extent, with
a significant standard deviation) affects value of MTS in business process management.

The study further found out that EFT is that to very great extent (Mean ≥ 4.5 = very
efficient, with a significant standard deviation), contributes and value in business process
management as a money transfer system. Telegraphic MTS, direct debit and ordinary cheque were said to contribute to value in business process management to a high
extent (Mean ≥ 3.5 = efficient, with a significant standard deviation). Mail transfer was rated
to be contributing to and value in business process management to a less extent (Mean ≥ 1.5 = less extent, with a significant standard deviation)

**Conclusions**

The study was carried out to investigate the value of electronic money transfer systems on business process management. The study finding indicated that money transfer systems affected business process management in one way or another. Although there were many advantages attached to money transfer systems, the study found out that various short comings such as cost, long queues, losses as a result of foreign exchange and difficulty dealing with the technology of money transfer systems affected the value of business process management

Many respondents used money transfer systems because of the benefits associated with them. Among the most preferred benefits was efficiency while others that came in were reliability and speed. Most of the respondents were willing to bear any cost of an MTS as it was efficient.

In addition of value to BPM, EFTs and direct debit were found to be of great importance. However the cost of MTS and other shortcomings associated with them were found to have a significant effect on the value of Business process management.

**Recommendations for Further Study**

Although electronic MTS was found to add some value on business process management, the study found out that the shortcomings of electronic MTS, limited the benefits they could add on the BPM. The researcher therefore recommends an improvement in the efficiency of electronic Money transfer Systems so as to reap the maximum benefits out of them. Since the study was carried out on banking institutions, the researcher recommends a similar study to be carried out at other institutions to establish other practice that value on business process management.

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