

## The Effect of Internal Controls and the Audit Committee on financial Accountability in local Authorities

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### ABSTRACT

**Background:** Local Authorities just like other government spending agencies are highlighted in Auditor General's report for various financial and non-financial irregularities. Among the factors that prevent financial irregularities are effective internal controls and audit committees. In this study, we demonstrate how internal controls and audit committees influence financial accountability in the public sector of Zambia, with a particular interest in Local government

**Methods:** The study employed a case study design. Primary data was collected from two local authorities using questionnaires. Data was analysed using regression and correlations analysis.

**Results:** Results from data analysis showed that both Internal Controls and Audit Committees were effective in influencing financial accountability in local governments. The results indicate that there is a significant Strong Positive Correlation between Internal Controls and Financial Accountability ( $r=0.78$ ,  $P<0.01$ ) and a weak Positive Correlation between Audit Committee and Financial Accountability ( $r=0.20$ ,  $P<0.05$ ). The regression model revealed that both Internal Controls and Audit Committees jointly explain some variation in the Financial Accountability of local authorities in Zambia

**Conclusion:** For policymakers, this indicates that strengthening the internal controls will improve financial accountability in local authorities. Further, the weak influence of the audit committee on financial accountability may indicate the need to improve the audit committee's effectiveness in the local councils in Zambia.

**Key words:** Internal Controls, Audit committees, Financial Accountability

### INTRODUCTION

Internal controls and audit committees are crucial in influencing financial accountability in the public sector and local governments (Samelson, Lowensohn, Johnson, (2006).

Internal Monitoring activities are put in place by the entity's management and practiced by the institution's employees, including the Management itself. The Committee of Sponsoring Organizations of the Treadway Commission, (COSO) of 1992, states that

internal control activities help to promote efficiency, enhance reliability, and sometimes minimize asset loss. Board composition, existence, and performance of audit committees, and functioning of internal audits can explain variances in accountability (Brennan and Solomon (2008)). The Internal control environment and the control activities if well implemented can lead to improved financial performance as there is a significant relationship between the internal control environment and the financial performance of an organization (Kinyua, Gakure, Gekara and Orwa, 2015). However Local authorities in Zambia like other government spending agencies are always highlighted in the Auditor General's report for various financial and non-financial irregularities. These reports are presented to Parliament through Public Accounts Committee (PAC), and stakeholders including payers have an interest in the performance of these institutions in terms of prudent utilization of public resources. Hence it is apparent that empirical research is done on how internal controls and Audit committees contribute to accountability in local government in Zambia.

Some research in internal controls has been done in Zambia, for example, M'soka (2008), who focused on financial and Compliance Audits in government Ministries, stated that there are problems faced by institutionalizing Internal Audits in the public sector in Zambia. In the same vein, Nchite and Nsana (2004) conducted a study on the management and utilisation of projects, their study reported on the need to consider civil society to monitor public finance management in Zambia. Mupeta, (2017) looked at the factors that determine Internal Audit Effectiveness in the Selected Public Sector and Parastatal Organizations in Zambia. One of the gaps identified in previous studies was that none of them had looked at internal controls and Audit committees in local authorities and their effect regards to financial accountability. Therefore, this study investigated the role that Internal Controls and the Audit Committees have on financial accountability in local governments. Based on this background, the current inquiry was envisaged to investigate the effects of internal supervision and a committee of auditors on financial accountability in Zambian Local Government institutions. The study has added to literature by revealing the need to improve the audit committee's effectiveness in the local councils in Zambia.

## LITERATURE REVIEW

### Theoretical foundation

The many of the studies on internal controls and good corporate governance in most organizations have been grounded on a combination of different theories mostly the agency theory (Mitra and Hassain, 2011) and the Resource Dependency Theory (Hillman, Withers, & Collins, 2009). These theories are important in financial accountability and Corporate Governance and are most recognized by researchers to get further understanding and insights into Internal Controls and Audit Committees (Nicholson and Kiel, 2007).

The Agency theory explains the relationship that exists between the agent (managers) and the principal (owners) or the distinction between management and ownership (Jaya, 2016). This study employed the Agency theory to determine the effects of internal controls and the audit committees on financial accountability in local authorities in the Zambian context. The choice of employing the agency theory in this study is influenced by its ability to be conceptualised and it condenses the whole organisation into two participants namely the management and the owners (Nalukenge, Tauringana, & Ntayi, 2017; Nkundabanyanga, Tauringana, & Muhwezi, 2015). In the context of this study, local authority managers are accountable to the public (owner). Based on the agency theory, managers are regarded as individuals with self-interest can manipulate financial resources for organisations to enrich themselves. (Bananuka, Nkundabanyanga, Nalukenge, & Kaawaase 2018) Therefore, managers are Agents of Shareholders and owe them a duty of care. It demands them to act in a manner that will grow shareholders' capital rather than reduce it. The mismanagement of financial resources is minimised by appointing audit committees to monitor the operations of management and report subsequent operations to the board (Bananuka, Mukyala, & Nalukenge, 2017; Shapiro, 2005). Therefore, the board plays a significant role in ensuring that managers/management line with the articulated vision and see that the organisational objectives are met (Jaya, 2016). Independent organisation focuses on the Resource Dependence Theory. The Resources and their external environment control important resources. The Board members in this perspective provide resources, and the

composition of the Board relates to the ability of the Board to bring resources to the firm (Demidenko & McNutt, 2010). In the resource dependency theory, the Audit Committee's resource role is that of a source of advice and counsel to the Board of Directors, advising the Board on how to bring resources to the firm.

### **Financial Accountability**

Studies focusing on financial accountability have gained popularity among scholars and researchers due to the legitimacy of international institutions (Tumwebaze, 2018). The concept of financial accountability has been defined by different scholars from different perspectives and contexts. Mukyala, Bananuka, Basuuta, Tumwebaze and Bakalikwira (2017) defined financial accountability in the context of the public sector as the system of providing information by management to the relevant authority on how the public resources have been used. It's about ensuring that management complies with the minimum set standard of preparing and reporting financial records (Dunne, 2013; Minja, 2013). Therefore, accountability is present or enhanced when there is physical evidence of work done, services completed and good record-keeping (Banamuka, 2018). Managers have an obligation and responsibility to account for their activities in line with the expectations of all the stakeholders (Porter, 2009; Kundabanyanga, 2007). According to Van Horne (2002), financial accountability is linked to the measure of performance and helps to determine whether public resources have been applied or used according to the set guidelines. In this study, we adopt the definition by Dunne, 2013; and Minja, 2013 above. A recent study conducted in Nigeria using a sample of 355 head of government units employing regression analysis reported a positive relationship between internal controls and financial accountability (Adeyemi & Olarewaju, 2019)

### **Internal control and financial Accountability.**

Kapic (2013) described internal controls as a risk management tool. They are tools put in place to ensure that nothing negative happens to the financial management of the entity (Ross, 2016). Internal controls provide an organisation with a mechanism for ensuring that the public expenditures are accurately reported according to the stipulated guideline (Adeyemi & Olarewaju, 2019). They can also be preventing or detecting depending on the

circumstances prevailing (Lawrence, 2000). Effectiveness of controls according to Naidoo (2009), listed components are utilised: Control Environment – tone of the organization, Control Activities – policies and procedures, Information and Communication – relevance and timeliness, Monitoring – ongoing assessment of controls. An Oversight mechanism that is used to check on Management's excesses is the internal audit function. It is for this reason that internal auditors are widely exhorted in the literature on Corporate Governance because they are the people that embrace the chance to achieve corporate objectives through sound risk management systems in place (Sarens, & De Beelde, (2006). The hypothetical framework and pragmatic reviews have reviewed the misuse of public resources, and this has been of major concern in the Local Government. In Zambia for instance, it is envisioned that the enactment of the Public Procurement Act to provide Internal Controls and the support of the Audit Committees at every spending level as in the case of the Local Government Authorities or Councils in Zambia, can help reduce the occurrence of un-vouched expenditure in Government funded institutions. A study conducted by Ross (2017) on mangle the government in the USA highlighted the importance of internal controls in preventing fraud and embezzlement of government revenues.

According to Ashbaugh-Skaif, Collins, Kinney & LaFond (2007), where an organisation has weak internal controls, managers are likely to provide inaccurate earnings and other financial estimates. Prior studies have shown that there is a positive relationship between internal controls and financial accountability (Ibrahim, 2017; Jaya, 2016; Jeffrey, Rosenberg, & McCabe, 2018). The research found that internal controls have positive effects on the performance of local government. However, some previous studies reported negative effects of internal controls on the performance of an organisation due to its emphasis on protecting managers and the organisation at the expense of the general public (Lenz and Sarens 2012; Norman et al. 2010; Neu et al. 2013; Roussy 2013, Sarens 2014; Jaya, 2016). Therefore, the hypothesis is stated as follows:

*H<sub>a</sub>: There is a positive relationship between organisational internal controls and financial accountability.*

### **Audit committee and Financial Accountability**

Audit committees are set up in organisations by the board of directors to ensure the monitoring of organisations' management activities (Nasution 2013). The contributions through their roles, characteristics, expectations, and evaluation of practices to the Local Authorities like Chingola and Kalulushi Municipal Councils. Managers in different organisations are analysed by the Agency Theory which provides a powerful theoretical framework. Shapiro (2005) suggested that Audit Committees are designed to mitigate problems and act as a monitoring mechanism for the preparers of financial statements and shareholders. The Public Sector and its stewards demonstrate a Principal-Agent relationship. Audit Committees play an essential part in transparency and accountability. On the other hand, Internal Controls play a crucial party to enhance accuracy in financial reporting.

CIPFA (2009), argued in appreciation of the organization's control environment and activities. Comprehension of an organisation's control environment will help the committee of auditors understand the sources of risks in the organisation. In the USA, it is a requirement for an enterprise to have a qualified Control board to be listed on Public Stock Exchange. The Zambian government has also adopted the same regulatory requirement for its listed companies on LUSE. It requires a team of qualified experts, including in finance to sit on the Committee. The financial statements are reviewed and monitored by Audit Committees on behalf of the Board. According to Rouse (1999), Audit Committee members take responsibility for any misreporting in the financial statements. Literature has reported a positive influence of audits committed on financial accountability (Alzeban, 2015, Alzeban, 2018). Additionally, audit committees are considered to have a significant influence on good cooperative governance in institutions (Jaya, 2016). However, a study conducted in Uganda on 52 statutory cooperation reported a non-significant relationship between audit committees' activities and financial accountability (Banamuka *et al*, 2017). Similarly, other studies have also shown a positive association between the audit committee and financial accountability (Haji & Anifowose, 2016; Neu, Everett & Rahaman 2008; Lin, Xiao, & Tang, 2008). Based on the above discussion, the hypothesis is formulated as follows:

*H<sub>b</sub>: There is a positive relationship between audit committee activities and financial accountability.*

## **METHODOLOGY**

### **Study Design**

The study employed a survey were 2 Municipal Councils were used as a case study. The study was descriptive and cross-sectional.

### **Study population**

The target population for this study included Non-Executive Directors (NEDs), from each Council that sits on each Audit Committee of the Council. It also included Executive Directors, Senior Managers, Middle Managers; and some employees in positions of influence; and key to this study. The targeted total population was two hundred and fifty (250) from the two Councils.

### **Sample size**

The researchers used Krejcie and Morgan(1970) Table in selecting the sample size of one hundred and fifty (150) members from the targeted population of 250 which included the NEDs. The table provides an effective method of determining sample size and is widely used by many researchers.

### **Sampling Method**

Due to the varied nature of the sample population, the purposeful sampling technique was used to select the sample from both the management and other staff at the Municipal Councils. This sampling procedure was ideal to focus only on those respondents with information relevant to the study. Members of staff for the two Councils were chosen from all the seven Departments of each Council, that is (i) Finance department, (ii) Administration department, which includes the Audit unit, Audit Committees, and Procurement unit, (iii) Engineering department, (iv) Planning department, (v) Housing department, which includes Library unit, (vi) Public Health, and (vii) Legal Services departments.

### **Data Collection Procedure**

#### ***Questionnaire and measurement of variables***

The study looked at the relationship between the three variables. The independent variables were Internal Controls and Audit Committees, while Financial Accountability was the dependent variable. Like Bananuka *et al*.

(2018) and Nalukenge et al. (2017) this study utilized perceptions in studying internal control, Audit committees and financial accountability in local authorities. The variables in this study were measured using respondents' mean rank of the items on a five-point Likert scale ranging from strongly agree, which was rated five to strongly disagree which was rated one. Appendix 1 shows the items that were included in the likert scale. Internal controls were conceptualized based on two of the five components of the COSO framework, which are control environment and control activities, (Amudo and Inanga, 2009; Onumah et al., 2012). An effective audit committee is a subcommittee of the board that performs the roles of reviewing corporate accounting information, supervising internal audit systems and liaison with external auditors (Lin et al., 2008; Brennan and Kirwan, 2015) hence the conceptualization of the Audit committees included a review of whole range activities including risk management and review of compliance with regulatory requirements. All these constitute Independent variables. The dependent variable was Financial Accountability which was represented by budgeting, utilization of funds and prevention of fraud. (Nyamori, 2009; Minja, 2013)

**Reliability and Validity Test for the Questionnaire**

Hungler and Pilot (2009) defined the authenticity of an instrument as the degree to which a particular instrument measures what it is intended to measure. Validity is the extent to which an instrument represents the different factors under study,(Gaberson,1997). To achieve content validity the questionnaire included an assortment of questions. The Kaiser-Meyer-Olkin (KMO) test was done to confirm the Validity. Table 1 below shows the Kaiser-Meyer-Olkin (KMO) value of .710 for the questions which are above 0.7 indicating the validity of the questions. Hungler and Pilot (2009) defined trustability as the degree of consistency with which an instrument measures the attribute it is intended to measure. To confirm the consistency and reliability of the data Cronbach's alpha values were calculated Table 1 below shows the Cronbach's alpha values of above 0.7 for all variables indicating that the data collected was highly consistent and reliable for further analysis.

**Table 1: KMO and Cronbach's alpha values**

Item	Descripti on	Frequen cy	Perce nt
Age	Male	59	56.4
	Female	49	45.6
Educatio n	PhD	7	6.5
	Master's and Bachelor's Degree	64	59.3
	Diploma	24	22.2
	Certificate	13	12
Work Experien ce	1-3 years	42	38.9
	4-10	49	45.4
	Above 10 years	17	15.7
	Numbe r of Items	Cronbac h's alpha value	Kaiser-Meyer-Olkin(K MO)
			0.71
Accounta bility	33	.949	
Internal Control	13	.713	
Audit Committ ee	5	.736	

**The model**

The study used ordinary least squares (OLS) regression in investigating the effect of Internal Controls and Audit committees on Financial accountabilities was preferred because of the nature of the outcome variable. The dependent variable is not a binary indicator that takes on values of 0 and 1 but is continuous as the 5 points Likert scale was used to measure the variables. Hence applying the OLS estimator would not produce biased estimates. (Bananuka et al. 2018). The following multiple regression model was specified

The regression equation

$$Acc = \beta_0 + \beta_1 Int + \beta_2 Aud + \alpha$$

Where Acc= Financial Accountability

$\beta$ =Beta Coefficient

Int= Internal Controls

Aud= Audit Committees

$\alpha$ =error Term

**RESULTS**

**Response Rate and the Respondents' Profile**

150 questionnaires were distributed to the respondents, but only 108 questionnaires

were received back giving a response rate of 72%.

**Table 2: Demographic Profile of Respondents**

The study showed that 56.4% of the respondents were males and only about 45.6% were female. Concerning their education, about 59.3% have master’s and bachelor’s degree levels, while 22.2% have reached Diploma level, 6.5% PhD level and about 12% have gone as far as Certificate level.

**Table 3: Descriptive statistics**

	N	Minimum	Maximum	Mean	Std. Deviation
Accountability	108	1.21	4.62	2.6307	.85706
Internal Control	108	1.20	5.00	2.9944	.83092
Audit Committee	108	1.42	4.70	2.6547	.74500

**Diagnostics**

Before proceeding to estimate the parameters of the model the normality diagnostic tests for the dependent variable Financial Accountability were done using Kolmogorov-Smirnova (KS) and Shapiro-Wilk (SW). Initially, the two tests revealed that the variable was not normally distributed (KS=.111, P< 0.00; SW=0.966, P0.007). However, the normality test was satisfied after the variable was transformed into Logarithm (KS=.071, P< 0.2; SW=0.982, P0.0154). The test for Multicollinearity of the two independent variables was also done and the results revealed that there was no excessive Multicollinearity between Internal Control and Audit Committee (r=0.292)

**Correlation analysis**

Pearson’s correlation coefficient analysis was used to establish the relationships between the study variables. Table 4 shows the Correlation between Financial Accountability, Internal Controls and Audit committees, the results indicate that there is a significant Strong Positive Correlation between Internal Controls and Financial Accountability (r=0.78, P<0.01). Therefore, hypothesis *H<sub>a</sub>* which reads “there is a positive relationship between organization’s internal controls and financial accountability” is accepted. Furthermore, the results of the analysis reported a significant weak Positive Correlation between Audit Committee and

**Descriptive statistics**

Table 3. Shows descriptive statistics of how respondents answered the statements that were used to measure the variables of Internal Controls, Audit committees and Financial Accountability. The mean score above 2.5 for each of the three variables shows that most of the respondents agreed that Internal Controls, Audit committee effectiveness and Financial Accountability moderately exist in the two Municipalities.

Financial Accountability (r=0.20, P<0.05). Thus, hypothesis *H<sub>b</sub>* which reads “ there is a positive relationship between audit committee activities and financial accountability” is accepted.

**Table 4: Correlation between Financial Accountability, Internal Controls and Audit Committee**

	Accountability	Internal Control	Audit Committee
Accountability	1	.780**	.202*
Internal Control	.791**	1	.292**
Audit Committee	.231*	.292**	1

\*. Correlation is significant at the 0.05 level.  
 \*\*. Correlation is significant at the 0.01 level.

**Regression**

After doing model data diagnostics linear regression was done. Financial Accountability is the dependent variable while Internal Controls and Audit Committees are the independent variables. Table 4 shows the summary of the regression output that was obtained. The Adjusted R indicated that Internal Controls and Audit committee's effectiveness explains 60 per cent of the variance in financial accountability. However, only internal controls are a significant predictor of Financial Accountability.

**Table 5: Summary of the regression output**

Variable	Coefficient	Prob
Constant	0.124	0.000
Internal Control	0.112	0.000
Audit Committee	0.004	0.650
R-squared	0.609	
Adjusted R	0.602	
F-statistic	81.940	0.000

Since more than 50% of the variable coefficients are significant and the F statistic of 81.940 has a significant P value of 0.000 it indicates that all the independent variables jointly explain some variation in the dependent variable, hence the model could be used for forecasting. The regression model is presented in the equation below.

$$Acc = 0.124 + 0.112 Int + 0.004 Aud + \alpha$$

Where Acc= Financial Accountability

Int= Internal Controls

Aud= Audit Committees

$\alpha$ =error Term

From the above regression equation, it was revealed that holding Internal Controls and Audit Committees to a constant zero financial accountability would be 0.124 units. Holding the Audit committee effectiveness to a constant zero, a unit increase in internal control effectiveness would lead to an increase in financial accountability by 0.112. Finally holding Internal Controls effectiveness to a constant zero, a unit increase in Audit committee effectiveness would lead to an increase in financial accountability by 0.004

## DISCUSSION OF FINDINGS

The Correlation analysis, results indicate that there is a significant Strong Positive Correlation between Internal Controls and Financial Accountability ( $r=0.78$ ,  $P<0.01$ ). This indicates that strengthening the internal controls which include the attitudes, awareness, and actions of management and those charged with governance in local authorities (control environment) improves financial accountability in local authorities in Zambia. In addition, effective application, and implementation of control activities like segregation of duties between authorization, custody, and record keeping will improve financial accountability. The results are consistent with the findings from the previous studies (Ibrahim, 2017; Ross, 2017; Jaya, 2016; Jeffery et al., 2014) which reported a positive correction between internal controls and financial accountability. Further, the results showed a significant weak Positive

Correlation between Audit Committee and Financial Accountability ( $r=0.20$ ,  $P<0.05$ ). These findings are consistent with Bananuka et al. (2018), who found that accountability was more associated with internal audit function than the audit committees.

The fact that the Audit Committee had a weak influence on financial accountability may mean that the audit committees in local authoring may not be exercising their oversight efforts fully, Bananuka et al. (2018) argued that if accountability is better observed through proper record-keeping, physical evidence physical output or visibility of activities it is difficult to see how the diligent oversight of the audit committee may not bring about accountability. This view is also supported by (Nyamori, 2009). Hence there is a need to look at the effectiveness of audit committees in local authorities in Zambia.

## CONCLUSION

This study aimed to demonstrate how internal controls and audit committee influences financial accountability in the public sector of Zambia, with a particular interest in Local government. This study employed a case study design, primary data was collected from two local authorities using questionnaires. Data were analysed using regression and correlation analysis. Results showed that both Internal Controls and Audit Committees were effective in influencing financial accountability in Local governments in Zambia. There is a significant Strong Positive Correlation between Internal Controls and Financial Accountability ( $r=0.78$ ,  $P<0.01$ ) and a significant weak Positive Correlation between Audit committees and Financial Accountability ( $r=0.20$ ,  $P<0.05$ ). The regression model revealed that both Internal Controls and Audit Committees jointly explain some variation in the Financial Accountability of local authorities in Zambia.

The findings of this study have important implications for both academics and policymakers. For academics, the results suggest that internal controls (control environment and control activities) are more important for accountability than audit committees. For policymakers in the local government authority, the results indicate that strengthening the internal controls will improve financial accountability in local authorities in Zambia. Further, the weak influence of the audit committee on financial accountability may indicate the need to

improve the audit committee's effectiveness in the local councils in Zambia.

Like any study, this study has imitations. Firstly, this study was limited to two local authorities in Zambia, hence the results may only apply to Zambia's local authorities. Further, the use of respondents' perceptions in measuring internal control, Audit committees and financial accountability in local authorities may have introduced some bias in the results. Nevertheless, the results of this study have provided empirical evidence of the role that internal controls and audit committees have on financial accountability in Zambia.

Further research could be done to include a mixed study where both secondary and primary data could be used with the inclusion of more Local Authorities. Additionally, further detailed research can be done to assess the audit committee's effectiveness in local authorities in Zambia

### Availability of data and materials

Data can be gotten from the corresponding author on reasonable request.

## Appendices

### Appendix 1 Questionnaire likert scale items

<b>L. CONTROL ENVIRONMENT</b>
Your Municipal Council has a code of conduct and/or ethics policy that has been communicated to all staff and outsourced service providers
Audit or internal control systems exist to periodically test for compliance with the policies.
Policies regarding the importance of internal controls and appropriate conduct are communicated to all staff at your council.
Management establishes structures, reporting lines, and appropriate authorities and responsibilities in the pursuit of objectives.
Management decisions are made collectively and not controlled by one dominant individual at your council.
The contractual terms with outsourced service providers are clear and concise concerning the Council's objectives and expectations of conduct and performance.
Management periodically reviews policies and procedures and communicated to employees respectively at your council to ensure that proper controls are in place.
The organization continuously provides mentoring and training opportunities needed to attract, develop, and retain sufficient and competent personnel at your council.
Organizational structure in the council especially at your Municipal Council is clearly defined.
The organization holds periodic training to ensure employees are aware of their duties regarding internal control (e.g., segregation of duties, safeguarding assets); and training needs are continuously reevaluated at your council.
Are control procedures strictly followed by management at your council.
<b>I. CONTROL ACTIVITY</b>
Controls employed by the Council management include authorizations, approvals, comparisons, physical counts, reconciliations and supervisory controls.
The organization at your council periodically (e.g., quarterly, Semi-annually) reviews system privileges and access controls to the different applications and databases within the IT infrastructure to determine whether system privileges and access controls are appropriate.
The organization has policies and procedures addressing proper segregation of duties between the authorization, custody, and recordkeeping at your council.
Management performs a periodic review of policies and procedures to determine their continued relevance and refreshes them when necessary.
<b>II. AUDIT COMMITTEES</b>
Voluntary disclosure of audit committee activities is more common at your Municipal Council.
Councils with audit committees that meet at least twice per year are less likely to be sanctioned by the Public Accounts Committee (PAC) for fraudulent or misleading financial reporting.
Councils with audit committees that met at least twice per year are more likely to use external auditors in this case the office of the Auditor-General.
Councils with reporting problems are less likely to have frequent audit committee meetings.
Audit committee meeting frequency is positively associated with the number of transactions done by the Council.
<b>III. FINANCIAL ACCOUNTABILITY</b>
Your Municipal Council arranges workshops/programs to train finance officials on Generally Accepted Accounting Practice (GAAP) standards.
The Financial Reports on predetermined objectives comply with the GAAP accounting standards.
Your Council officials are updated with the changes in International Accounting Standards (IAS). For instance, the changes in the budgeting system from Activity Based Budgeting (ABB) to Zero Based-Budgeting System (ZBB) which is result based.
Financial Statements of your Municipal Council is timeously submitted to the Auditor General for audit purposes by the Principal Officer in this case, Town Clerks.
Your council has a well-developed Chart of Accounts for proper classification of your transactions.
Prevention of frauds at your Municipal Council.
Adequate verification of vouchers and other financial documents are usually made before effecting payment at your council.
There is always approval and confirmation of the financial transaction by relevant authorities at your council.
Staff are trained to implement the accounting and financial management system at the council.
There is always severe punishment for erring officers who temper with internal control systems at your council.
The internal audit and audit committee offices review the process to monitor whether appropriate and accurate financial information is implemented at your organisation.
There is adequate compliance with accounting policies and procedures at your Council.
The accounting practices at your organisation conform to Generally Accepted Accounting Standards (GAAP).
Guidelines and policies of your council are working and being implemented as desired by management.
Responsible officials at your council submit all statutory and financial obligations to the relevant institutions such as NAPSA, TRA, and LASIF, when they are required in time.
The Municipal Council Management reviews process to monitor whether appropriate and accurate financial information is received.
Management at your municipal council has assigned responsibilities for the timely review of audit reports and resolution of any non-compliance items noted in audit reports to responsible officers.
There is adequate knowledge of expected roles at your Municipal Council.
There is a timely release of reliable information to the relevant decision-makers at your Municipal Council.
Management provides feedback to the junior officers about the operations of the system at your Council.
Your Municipal Council has procedures in place to manage its financial responsibilities
Management at your council acts with a great degree of integrity in the execution of their roles
Ethical values are upheld in all management decisions at your Council.
Internal reviews of the implementation of internal controls in units are conducted periodically at your council.
Your organization has an objective, independent and active audit committee
Segregation of duties or mitigating controls exists within transaction processing, authorization, custody, and recording functions at the council.
Separation of duties exists between procurement, account payables and disbursements.
Internal audit is independent of management influence
<b>Utilization of funds at your Municipal Council</b>
The Finance department at your council prepares financial statements on budget versus actual on a comparative basis to achieve a better understanding of financial resource utilization
Funds at your Council are always used for the intended purpose with no misapplication of funds.
Your Council reconciles all cash accounts with receipts and banking on monthly basis.
Departments have budget reviews where actual expenditure is compared with budgeted expenditure and explanations for the variances given at your Council's finance meetings.
Quality assurance is adhered to for all Community projects at your Council.
There are proper, prudent and timely documentation and progress reports at your Council.



## Reference

- Adeyemi, F., K. & Olarewaju, M. O. (2019). Internal Control System and Financial Accountability: An Investigation of Nigerian South-Western Public Sector. *Acta Universitatis Danubius*. 15(1): 134-150
- Alzeban, A. (2018). Influence of internal audit reporting line and implementing internal audit recommendations on financial reporting quality. *Meditari Accountancy Research*. 28 (1): 26-50
- Alzeban, A. (2015). Influence of audit committees on internal audit conformance with internal audit standards. *Managerial Auditing Journal*. 30 (6/7): 539-559
- Amudo, A. and Inanga, E.L. (2009), "Evaluation of internal control systems: a case study from Uganda", *International Research Journal of Finance and Economics*, Vol. 3, pp. 124-144.
- Ashbaugh-Skaife, H., D.W. Collins, W.R. Kinney, and R. LaFond (2007), "The Effect of Internal Control Deficiencies on Firm Risk and Cost of Equity Capital," Working Paper
- Bananuka, J., Nkundabanyanga, S. K., Nalukenge, I., & Kaawaase., T. K. (2018). Internal audit function, audit committee effectiveness and accountability in the Ugandan statutory corporations. *Journal of Financial Reporting and Accounting*, 16(1): 138-157. doi:10.1108/JFRA-07-2016-0062
- Bananuka, J., Mukyala, V., & Nalukenge, I. (2017). Perceived internal audit roles and challenges in a developing economy. *Makerere Business Journal*, 13 (2): 187-205.
- Carely N. (2001). *Factors Associated with United States of America Public companies' Investment in internal auditing*; Oxford: London.
- Choi.F, Han.R&Lee.K, (2014).Impact of Public Finance Management reforms. A case study of three is developing Nations in the Sub-Saharan region. New Jersey: Prentice hall.
- CIPFA (2009). *Public Finance Management systems in Africa*, Accra: Zed books.
- Cohen D. etal (2003).Internal Audit Outsourcing. *The CPA Journal* Accessed on February 21, 2017
- Curtis V. ( 2008). *Audit committee essentials* publisher John Wiley New Jersey USA.
- Demidenko, E. and McNutt, P., 2010. The ethics of enterprise risk management as a key component of corporate governance. *International Journal of Social Economics*.
- Dunne, T. (2013). Governance and performance reporting in Scottish charities. *Journal of Financial Reporting & Accounting*, 11(2): 112-130. doi:10.1108/JFRA-11- 2011-0015
- FM Solutions (2008).Performance Management Framework, *Journal of Finance Management Solutions*, Vol. 38 (12).pp.602 - 615.
- Fredrick Charles. S. (2015). *Elucidating social science concepts: An introduction Guide* New York USA.
- Gaberson,Kathleen B. "Measurement reliability and validity." *AORN journal* 66, no. 6 (1997): 1092-1095.
- Garret R. (2006). *Strategic management*; London: Prentice Hall.
- GRZ-PFM Reform strategy (2017-2019). *Public Finance Management in Zambia*, Lusaka: Government Printers.
- Haji, A.A. and Anifowose, M. (2016), "Audit committee and integrated reporting practice: does internal assurance matter?", *Managerial Auditing Journal*, 31(8/9): 915-948, in Saudi Arabia", *African Journal of Business Management*, 7 (6): 443-454.
- HaticeZeynep. I. (2007). An interprevist Approach to understand how national sciences are represented in Reggio Emilia inspect Pre School Classroom.
- Hillman, A.J., Withers, M.C. and Collins, B.J., 2009. Resource dependence theory: A review. *Journal of management*, 35(6): 1404-1427.
- Hungler H. and Pilot K (2009). Research methods and measurement validity and reliability of data*Journal of economic research development*.
- Ibrahim, M. (2017). Effects of Internal Control, Corporate Governance, Organizational Culture, and Management Audit on Managerial Performance: Evidence from

- Indonesia. *International Journal of Economic Perspectives*, 11 (3): 1826-1832
- Jaya, E. T. (2016). Internal Control, Total Quality Management and Audit Committees: Implementation of Good Corporate Governance. *Interactive Business and Economics*, 5(2): 250-259.
- Jeffrey, S., Rosenberg, S. and McCabe, B., 2018. Corporate social responsibility behaviors and corporate reputation. *Social Responsibility Journal*, 15(3), pp.395-408. B., (2018). Corporate social responsibility behaviors and corporate reputation. *Social Responsibility Journal*, 15(3): 395-408.
- Kinyua, J.K., Gakure, R., Gekara, M. and Orwa, G., 2015. Effect of internal control environment on the financial performance of companies quoted in the Nairobi Securities Exchange. *International Journal of Innovative Finance and Economics Research*, 3(4), pp.29-48.
- Lawrence, S. (2000). The usefulness of ERP systems for effective management" *Industrial Management and Data Systems*, 103(9): 34-56.
- Lenz, Rainer, & Sarens, Gerrit. (2012). Reflections on the Internal Auditing Profession: What might have gone wrong? *Managerial Auditing Journal*, 27(6),: 532-549. doi:10.1108/02686901211236382
- LGAZ, (2008). Financial accountability Report in Local Government Authorities in Zambia, Lusaka: GRZ.
- Lin, J.Z., Xiao, Z.J. and Tang, Q. (2008), "The roles, responsibilities and characteristics of audit committees in China", *Accounting, Auditing & Accountability Journal*, 21 (5): 721-751.
- Minja, D. (2013), "Accountability practice in Kenya's public service: lessons to guide service improvement", *International Journal of Business and Management Review*, Vol. 1 No. 4, pp. 54-63.
- Mitra, S. and Hossain, M. (2011), "Corporate governance attributes and remediation of internal control material weaknesses reported under SOX Section 404", *Review of Accounting and Finance*, 10 (1): 5-29.
- Mukyala, V., Bananuka, J., Basuuta, M., Tumwebaze, T., & Bakalikwira, L. (2017). Accountability of local government authorities: A developing economy perspective African. *Journal of Business Management*, 11(12): 266-274 81. (2017). Corporate governance and internal controls over financial reporting in Ugandan MFIs. *Journal of Accounting in Emerging Economies*, 7(3): 294-317. doi:10.1108/JAEE-02-2016-0018.
- Mupeta, B.G., 2017. The Factors That Determine Internal Audit Effectiveness in the Selected Public Sector and Parastatal Organizations in Zambia. *The International Journal of Multi-Disciplinary Research*, pp.1-23.
- M'SOKA, M.M., 2008. CHALLENGES IN INSTITUTIONALISING PERFORMANCE AUDITS.
- Nalukenge, I., Tauringana, V. and Ntayi, J.M., 2017. Corporate governance and internal controls over financial reporting in Ugandan MFIs. *Journal of Accounting in Emerging Economies*.
- Nasution, Marihot.(2013). "The role of the Audit Committee in the Banking Company Earnings Management" *Jurnal Akuntansi.Batam*.
- Nchite, R and S. Nsana (2004) 'Public Finance Management and Utilization Project: Report on Strategies and Tools for Civil Society Monitoring of Public Finance Management in Zambia'. Lusaka: Transparency International Zambia. Pp1-39
- Ndeshipewa Johanna Akwenye& Tia Chata (2015). Establishment of Audit Committees in Government Ministries of
- Neu, D., Everett, J., & Rahaman, A. S. (2013). Internal auditing and corrupting within Government: The case of the Canadian sponsorship program. *Contemporary Accounting Research*, 30(3):1223-1250
- Nest, D. (2008), "The perceived effectiveness of audit committees in the South African public service", *Meditari Accountancy Research*, 16 (2): 175-188
- Nkundabanyanga, S., Tauringana, V. and Muhwezi, M. (2015), "Governing boards and perceived performance of secondary schools",

International Journal of Public Sector Management, 28 (3): 221-239

Nkundabanyanga, K. S. (2007). Microfinance and public sector accounting in Uganda (1st ed.). Kampala: Wide link services

Norman, C., Rose, A., & Rose, J. (2010). Internal audit reporting lines, fraud risk decomposition, and assessments of fraud risk. *Accounting, Organizations and Society*, 35(5): 546–557

Nyamori, O.R. (2009), “Making development accountable”, *Journal of Accounting & Organizational Change*, Vol. 5 No. 2, pp. 197-227.

OECD (2009). *Public Finance Management in third World Countries*, Ottawa: OECD. OECD (2011). *Public Finance Management Strategies*. New York: OECD. Office of the Auditor General (2007). *Performance Audit Guide*. Lusaka: Management Development Division.

Onumah, J.M., Kuipo, R. and Obeng, A.V. (2012), “Effectiveness of internal control systems of listed firms in Ghana”, in Tauringana, V. and Mangena, M. (Eds), *Accounting in Africa (Research in Accounting in Emerging Economies)*, Vol. 12, Part A, Emerald Group Publishing Limited, Bingley, pp. 31-49.

Paul B. (2019). *Ownership financial accountability and law. Transparency strategies and initiatives*.

Porter, A. B. (2009). The audit trinity: The key to securing corporate accountability. *Managerial Auditing Journal*, 24(2): 156–182. doi:10.1108/02686900910924563

Ross, D. (2016). *A Case Study of Municipal Government Financial Management and Effective Internal Controls*. Rescott Vally, Arizona USA.

Roussy, M. (2013). Internal auditors’ roles: From watchdogs to helpers and protectors of the top manager. *Critical Perspectives on Accounting*, 24(7–8): 550–571.

Samelson, D., Lowensohn, S., & Johnson, L. E. (2006). The determinants of perceived audit quality and auditee satisfaction in local government. *Journal of Public Budgeting, Accounting & Financial Management*.

Sarens, G. (2014). Editorial: Internal audit research at the crossroads: Time to turn a page? *International Journal of Auditing*, 18(2): 103–104.

Sarens, G., & De Beelde, I. (2006). Internal auditors' perception about their role in risk management: A comparison between US and Belgian companies. *Managerial Auditing Journal*.

Shapiro, J. (2005). *Efficient Service Delivery in Public Service*, Boston: Houghton Mifflin.

Scholes, K. et al (2008). *Exploring corporate strategy*; London: Pearson.

Turnbul. (1999). *Audit Committee*

Tumwebaze, Z., Mukyala, V., Ssekiziyivu, B., Tirisa, C.B., & Tumwebonire, T (2018). *Corporate governance, internal audit function and accountability in statutory corporations*. *Cogent Business & Management* 5 (1): 1-13  
Van Horne, J.C. (2002). *Financial Management and Policy*. 12th Ed. Prentice-Hall: London

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DM conceived, and collected the data. NM coordinated analysed and interpreted the results. MC and MSL did the literature review and drafted the manuscript; we wish to state that we all reviewed the manuscript before finally submitting it to the journal.

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Although this data included human beings, the authors got consent from the respondent’s to participate in the study and that no identifying information was collected to ensure confidentiality.

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No images, individual details or videos for clients’ data are part of this paper.

### **Competing Interests**

The authors declare that they have no competing interests.

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