AUDITOR SWITCH DECISION OF MALAYSIAN LISTED FIRMS: TESTS OF DETERMINANTS AND WEALTH EFFECT*

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ABSTRACT

switch effect on share prices. The auditor change decision by management to retain or to change methods a switch across audit firms with different quality. Audit quality is defined by classifying the firms into Tier1 (Big-5) firms and Tier2 (non-Big 5) firms. The distinguishing attribute between groups of audit products is believed to be the credibility that each group brings to the audit management. Factors associated with the choice of audit firm and changes Firm characteristics with auditor choice were investigated using the logistic regression model. The findings show the auditor switch of Malaysian listed firms is partly explained by changes in management and mover growth. Changes in firms' characteristics such as asset growth, purchase of fixed asset to total leverage and changes in financing activities explain auditor switches. There appears to be no managements.

INTRODUCTION

Accounting literature on auditor change decision and its implications on firm's value, credibility of financial reporting and cost of monitoring management activities is well documented in the literature manating from the developed countries. Auditor switch decision involves change of incumbent auditor resulting in the choice of quality differentiated audit firms to realign the characteristics of the audit firm with the growing needs of clients under changing circumstances. Changes in management, perceived expertise of audit firms and deterioration of financial health of clients have been found to be associated with auditor change/switch decision. Changes in firm's activities and perception of advances in audit mechnology have been shown to be associated with the choice of quality differentiated audit firms.

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Changes in management might result in replacement of the incumbent auditor with a view to imbibe fresh ideas to enhance the firms' expansion policy under a changed management. Similarly, auditor replacement will be initiated if the existing audit firm lacks the expertise to keep up with the firm's expansion policies and its changed internal control systems. Firms experiencing consistent deterioration in performance may also decide to replace the incumbent audit firm with a more compliant auditor in an attempt to evade a qualified report detrimental to the value of the firm.

Change in firm's activities (expansion, contraction, financing, performance, etc.) and audit technology creates demand for the choice of quality differentiated audit firms. The rationale for choosing a relatively higher quality audit firm might be due to the growing needs of the firm, to take advantage of the audit firm's reputation. The choice of lower quality audit firm might be prompted by a sudden contraction of business activities, to gain an ability to negotiate audit comments to reflect management's view rather than an unsolicited "fair view" as well as a desire to lower costs of engaging audit services.

Due to asymmetry of information between principals and management, management of growing firms might redirect resources, as pecuniary and non-pecuniary benefits on the job, at the expense of shareholders. The shareholders have to incur costs to ensure that management's activities are consistent with shareholders' objectives. Management of highly levered firms might be tempted to transfer wealth from their shareholders by engaging in risky investments beyond that sanctioned by shareholders. Engaging relatively higher quality audit firms mitigates against these agency costs elements of management but ultimately borne by shareholders.

Revaluation effect of auditor switch has been an issue of interest among investors and unlike corporate dividend and earnings announcements, which reflect a real change in expected corporate performance, auditor change announcement conveys no direct apparent economic information. The economic effect from the latter event is the signal associated with different investors' interpretation about the quality of audit services provided by the auditor. Investors are observed to utilise the auditor change/switch announcements to revise their expectation on the firm's expected future cash flows, and hence its share prices. A change to higher prestige auditors might be perceived as an improvement in audit services and hence an expected positive revaluation effect may result. Similarly, a change to lower prestige audit

suggest that larger audit firms provide higher quality audit services by offer greater credibility to financial statements that the small audit firms.

there is substantial documentation on determinants and revaluation effect of auditor switch movements in developed markets, there is a hardly any documented evidence on similar issues in markets, like Malaysia. This research examines the determinants and the revaluation effect change announcements of firms listed on the KLSE. Section 2 presents literature on the movie rational for auditor switch. Section 3 provides discussion on methodology, data collection.

The discussion on findings for simple parametric test, logistics regression and event study moved of the paper.

AUDITOR CHANGE LITERATURE

mentoring the management activities. Jensen and Meckling (1976) suggest that auditing is one monitoring device that can mitigate agency costs, implying a need for independent audit services. Based mentoring device that can mitigate agency costs, implying a need for independent audit services. Based mentors and Zemmerman's (1978) work, DeAngelo (1981a; 1981b) developed a demand and supply monale for audit quality. Audit quality is defined as the probability that an auditor will both discover the breach of contract (material mis-statement) and subsequently actually report it. It is implied that mentors specialise in supplying various level of audit quality and audit firm size is an effective surrogate audit quality. Firms change their auditors to ensure a desired quality of audit service.

analogy from product differentiated hypothesis is that firms use auditor choice as a signalling device reveal their desirable characteristics. Investors incorporate the arrival of new information (choice of pality auditor) and re-evaluate the firm's value. Investors are willing to pay relatively higher price for performing firms. Holthausen and Verrecchia (1990) suggest that firms appear to signal their enter uncertainty by hiring a higher prestige audit firm to perform their audit. This signal is credible to the market since the auditor's compensation is higher exhibiting firm-specific reputation capital. Firms with unfavourable information would prefer lower quality auditor.

The literature on auditor change documented in the developed markets offers several explanations for factors affecting both switching and its affect on share revaluation. Early work on these issues by Burton and Robert (1967) and Carpenter and Strawser (1971) provide evidence on the determinants of auditor switch decision. They documented a positive relationship from changes in management, changes in new financing and switching auditor.

Qualified audit reports are important in determining auditor switch. Managers strategically use switch decision to avoid any unfavourable information release to investors (Chow and Rice (1982), Crawswell (1988) and Dye (1991), and Citron and Tafler (1992)). However, Gul *et al.* (1991) and Takia's *et al.* (1993) findings did not support this notion. Other factors include the demand for additional audit service (Burton and Robert (1967), Lurie (1977)), firms' growth (Lingbeck and Rogow (1978), financial distress (Schwart and Menon (1985), Dhaliwal and Schwartzberg (1993)), the importance of audit fee to corporate management decision (Bedingfield and Loeb (1974), ,Ettredge and Greenburg (1990)).

There is evidence of significant relationship between firm size, growth and choice of auditor (Healy and Lys, 1986; Johnson and Lys, 1986; Simunic and Stein 1987). In general, firms size increases contribute to agency costs since it creates vast opportunity for manager to consume non-pecuniary benefits thus resulting in a demand for a quality audit firms (Tier 1) (Fama and Jensen (1983a, 1983b)). Alternatively, Johnson and Lys (1986) argue that fixed investment in the auditor error detection technology leads to specialisation in market segment and difference in technologies and cost function across market segments are likely to be reflected by difference in audit firms size (Francis and Wilson (1988)). Palmrose (1984), Eichenseher and Shields (1986), Johnson and Lys (1990) showed a positive association between leverage and choice of Tier 1; negatively association for Tier 1 audit firms which underwent merger activities (Healy and Lys, 1986). Healy and Lys also assert that clients who issue new debt securities remain with Tier 1 audit firms to take advantage of its reputation and thereby lower investors' information costs in assessing the investment quality. Francis and Wilson (1988) provide support for hypothesised association between agency costs and choice of brand name after controlling for growth and client size.

Evidence of market reaction on auditor switch decision is inconclusive. Fried and Schiff (1981) examined the disclosure requirement by SEC and the degree of market reaction to such disclosures surrounding the auditor changes. The findings suggested a negative effect on average. The literature offers several explanations for negative revisions in stock prices, which, among others include, substantial direct and

mis operating, financing and performance. Dupuch and Simunic (1982) suggest that firms switching mister prestige audit firms will yield a positive response while switching to lower prestige audit firms will yield a positive response while switching to lower prestige audit firms are prestige audit firms.

and Nichole (1982) documented a dispute over accounting and auditing principles with auditors to the auditor switch and those of client firms which did not disclose any dispute. A systematic made decline was reported surrounding the auditor switch for client firm, who reported a dispute with

The reaction and Lys (1990) examined the market reaction to voluntary auditor changes and reported no reaction. Davidson and Gribbin (1995) documented a negative abnormal return to the announcement and tor change and postulated that it might be due to market's lack of confidence about the motive for the change. John et al. (1999) showed a negative market reaction to the auditor resignation and suggested that additor resignation from office is likely to be cost signal for audit firms particularly when a client is a listed company.

DATA AND METHODOLOGY

The complete data set for all analysis was available for 102 firms. The sample was verified using annual and announcement dates for auditor changes were obtained from the minutes of the annual meeting. The revaluation effect of auditor switch was analysed using stock prices and Composite Index values extracted from the daily diary of KLSE.

Following Zurada et al. (1998), the logistic regression model is used to analyse the decision to change, auditor or (switched to higher or lower prestige audit firms). This model avoids normality assumptions when the dependent variable is dichotomous and produces highest classification accuracy the traditional dichotomous response variables. The functional form of a logistic cumulative density function:

$$P(Y=1|X) = exp\left(\sum \beta_k X_k\right) / \left[1 + exp(\sum \beta_k X_k)\right]$$

The parameter (α, β) are unknown that are estimated using Maximum Likelihood Estimators (MLE) in contrast to ordinary regression models which are estimated by the method of Least Squares Estimators (OLS). Since the likelihood equations for logit equation are non-linear in the parameters to be estimated, algebraic solutions are not obtainable and therefore approximation by standard iterative algorithms is used.

3.1 Test Models

Parametric test

The parametric test of the differences in the mean value of the characteristics of sampled firms (client firm changing audit firms) and control firms (client firm that did not change their audit firms) was conducted. The characteristics are turnover, average asset, acquisition, return on asset, leverage and liquidity position of the firms. Similar test was also conducted to examine the difference among client firms associated with quality differentiated audit firms.

Auditor Change Model

The stepwise logistic regression technique was selected to ascertain the important determinants of audit switch decision. The functional form of the regression equation is as follows:

$$Z = \beta_0 + \beta_1 X_1 + \beta_2 X_2 + \beta_3 X_3 + \dots + \beta_k X_k + \varepsilon$$
(2)

Z=A with A=1 or 0 indicating that a client firms did (1) or did not switch auditors (0). X=1 the variables identified for the model. These are management change (MGTCH), average acquisition of fixed asset to total asset (ACQUI), turnover growth (GROWTH) both prior and after the auditor switch, liquidity (LIQ), firms leverage (LEV), average return on asset (AROA), average earning per share (EPS), qualified audit report both prior and after the auditor switch.

Change in management could serve as principals-agents contractual arrangement as new management could demand for the replacement of incumbent auditor with new one with whom it has favorable dealings in past and who will bring new ideas that is instrumental to firms expansion policy. This is measured by taking value of one if there is a change in management or zero otherwise.

growth could be a measure of principal-agent contract. Client who are constantly acquiring market would demand for new auditors who is more effective in the ging auditing service. Rapid growth is measured by percentage changes in turnover growth three prior and three years after the auditor switch. Auditor effectiveness is measured by the size of the firm, that is whether audit firms a member of higher prestige auditor or otherwise prior to the change. This measured by taking value of one if pre-switch audit firm was the member of higher (Tier1) audit firm or 0 otherwise. Client firms whose reputation is tarnished by its poor mance, corporate management will try to change auditors to avoid any unfavourable information mated to the capital market. A qualified report, average return on asset, average earning per share applied to the firms are used as proxy for client's reputation. Qualified audit report is a binary which takes the values of 1 if auditor issued qualified report one or two years prior to or after switch or otherwise. Operational variable such as audit fees takes value of 1 if there is a reduction to the subsequent to auditor switch or otherwise.

Anditor Choice Model

analysis of the firms' characteristics and the direction of auditor changes (Tier 2 to Tier 1 audit and vice versa) is done using logistic regression model. Previous studies (Johnson and Lys, 1990; and Wilson 1988) used similar models to determine the characteristic of the firms, which are sociated with direction of the auditor changes. The hypothesised relationship may be expressed as

$$Y_{j} = \alpha_{jt} + \sum \lambda_{j} X_{j} + \epsilon_{jt}$$

Where,

T = 1 indicating firms switching to higher prestige (Tier 1) audit firms and 0 indicates firms switching to less prestige (Tier2) audit firms.

To predictor (independent) variables, and

 $(\lambda_1, \lambda_2, ..., \lambda_k)$: The coefficient of the predictor variables.

Variable Measurements

The frequently used variables to proxy for the firm change in activities over time are asset growth, asset size, turnover growth, changes in acquisition, firms leverage, changes in financing, changes in operating the flow, and average return on asset.

Expansion: Expansion entails increasing in scope, geographical dispersion and volume of client's activities. The corresponding increase in quantity and complexity of accounting transactions results in economies for larger auditors, which provide high quality audit service (De Angelo, 1981). The expansion or contraction is proxied by four operational variables namely annual growth in total assets three years prior to and three years after the switch: it is indicated as GRTHB and GRTHA respectively. Changes in average acquisition of fixed to total asset is abbreviated by CHACQ and annual growth of sales prior to the switch is abbreviated by TURNGRTHB. Therefore the larger the size of the client's growth the greater the demand for the services of larger audit firms.

Financing: The operational variable to proxy financing is estimated from newly issued debt and equity ratios measured as "Long term debt + Equity)/Total Asset" abbreviated as CHFA. Firms that change to larger audit firms are predicted to exhibit higher level of post-audit changes in financing compared to ones that change to smaller audit firms (Johnson and Lys, 1990). We expect positive correlation between firm's financing activity and the choice of higher prestige audit firms.

Profitability: The profitability of the firms is measured by two operational variables: average returns on asset (AROA) and average cash flow (ACFL). If poor returns and cash flows are exhibited prior to the event, client firms are likely to change to smaller audit firms. Therefore, the profitability prior to the auditor change should be positively correlated with auditor size.

Audit Risk: The audit risk relates to the probability of an auditor issuing unqualified opinion on materiality of misstated financial statements. It is difficult to measure audit risk objectively and accurately. No single proxy for audit risk is considered adequate. However, it appears to be related to client's business risk (Simunics and Steins, 1987). The business risk is proxied by two operational variables namely, client firm's size (SIZE) measured by total assets and leverage (LEVR) both prior to and after auditor changes. Increase in client size entails wider geographical dispersion and scope, therefore clients need service of larger audit firms that have competitive advantage over the smaller firms. Higher leverage client firms would pose higher levels of financial risk, therefore, it is likely that firms with higher risk will engage services of larger audit firms that have greater expertise to analyse the situation resulting in greater credibility to the reports.

Warket Model

The standard Market Model (Sharpe 1964) is used to estimate the expected returns and average excess

The model expressed as follows:

$$\mathbb{R} = \alpha_i + \beta_1 Rm_t + v_{it} \tag{4}$$

Where

$$\mathbb{R}_{\text{mat}} = \frac{C_{\text{t-}1}}{C_{\text{t-}1}} * 100$$

R : the rate of return of the ith stock on the period t,

P : stock price i at period t,

P : stock price i at period t-1,

D: Cash dividend paid to the shareholders,

a : the constant average return while market yields zero returns,

β : beta estimate,

 v_{ii} : Residual or random noise term assumed to have property of v_{ii} $\sim (0.00^2)$, and

R_{mt}: the rate of returns on the market portfolio(Composite Index) for period t

 C_t and C_{t-1} are the value of Composite Index at period t and t-1.

To estimate the parameters of the market model, 60 monthly observations from outside the analysis period (event window) are used to avoid any misestimates of the market return around the event dates.

Market Model parameters are adjusted for non-synchronous trading problem caused by thin trading using Scholes and Williams (1977) two lag and two leads model.

3.2 Abnormal Returns Measures

Abnormal returns or residual returns are prediction errors. The abnormal return for a given share price at any time period is the difference between the actual return and the expected return.

$$v_{ij} = R_{ij} - (\alpha + \beta Rm_{ij})$$
 (5)

The average excess return is:

$$AR_{it} = 1/N \sum U_{it}$$

N : number of sample companies across the sub-sample

AR it : average abnormal returns for companies at period t

If $AR_t > 0$ and statistically significant, it indicates that the market on average reacts positively to the event and thus increase the wealth of the shareholders. To observe the cumulative effect, cumulative abnormal returns (CARs) were calculated by summing up the AR_t over various time periods of interest:

$$CAR = \sum AR_{t}$$

$$-K$$
(6)

Where,

CAR_{K,L} is the commutative abnormal returns for cut-off point over the window period from K to L.

-K,...+K refer to event window surrounding auditor changes.

3.3 Statistical Tests

Individual Coefficient Estimates

To measure the relationship between the exogenous variables, X, and dichotomous response variable, individual estimate is tested. Thus this test statistic is defined as:

$$t_{-k} = B_k/S_k$$

Where the S_k is the standard error of the coefficient and B_k is the coefficient of the individual variable in the model.

imess of Fit test

regression analysis, F statistics can be used to test the joint hypothesis that all coefficients regression. A corresponding test in logistic regression that serves the same purpose is based Ratio. The functional form of Likelihood Ratio is as follows:

$$\lambda_{\perp} = -2 \left[\ln \lambda(\hat{\beta}) - \ln \lambda(\hat{\beta}) \right]$$
 (7)

is the is the value of the likelihood function for full (unrestricted) model and

is the maximum value of the likelihood function if all coefficient except the intercept (restricted),

The method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces) and the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces) and the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces) and the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces) and the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces) and the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces) and the method produces a statistic that follows approximately a Chi-square distribution with k-1 (k being the method produces) and the method produces a statistic that follows approximately a chi-square distribution with k-1 (k being the method produces) and the method produces are chi-square distribution with k-1 (k being the method produces) and the method produces are chi-square distribution with k-1 (k being the method produces) and the method produces are chi-square distribution with k-1 (k being the method produces) and the method produces are chi

RESULTS

Deferences in characteristics of Switch and non-switch firms

Table 1: Simple Parametric Test For Mean Difference Between Switch And
Non-Switch Group

Characteristic	Mean Switch	Mean Non-Switch	t-value
Size (RM) Sale growth ROA Leverage Liquidity AvAcq	617890 (000) 1.30 .034 0.4325 1.82 .075	558508 (000) .70 .051 0.4221 1.76	0.28 1.736* -1.451 0.309 .259

^{*} Marginally Significant at 10 Percent Level

Table 1 presents the test results on the characteristics of client firms that switched their auditors and those control firms that did not switch their auditors over a period of five years (2 years proceeding and 2

years after the auditor switch). These are based on mean differences respectively for (a) size, (b) turnover growth, (c) return on assets, (d) leverage of the firms, (e) acquisition of fixed asset to total asset and finally the liquidity position of the two groups. A simple parametric test was used to observe the differences in firm's characteristics associated with switch and non-switch groups. The results suggest that both switch and non-switch groups are distinctly different from one another in a number of dimensions. For instance the turnover growth of firms that switched their auditors is significantly larger from those that did not switch auditors over the same period. The mean values of the turnover growth over the 5 years (two years prior and two after the auditor) period for the two groups were recorded as 130 percent and 70 percent, respectively. Meanwhile, the average return on asset (ROA) of the two groups over the same period is 3.4 percent for firms that switched their auditors and 5.1 percent for non-switch firms, though not statistically significant (t-value = -1.4). The observed differences on average acquisition of fixed asset to total assets registered a marginally higher rate for firms that switched auditors, for example, the average acquisition of the two groups was 7.5 percent and 6.1 percent respectively. The differences on asset sizes, leverage and liquidity of the two groups were small and not significant at the conventional level.

4.2 Determinants of Auditor Switch

To provide an objective framework, the variables for the determinants of auditor switch as derived from agency theory and others in the accounting literature. These are turnover growth (TGROWTHB) prior to auditor switch and after (TGROWTHA), average acquisition of fixed asset to total asset (ACQ), return on asset (ROA), average earning per share (EPS), change in audit fees (AUDF), management change (MGTCHG), audit report both prior (RPORTB) and after (PRORTB) the switch, firms leverage (Leverage) and liquidity of the firms (LIQ).

Table-2: Regression Results on Determinants of Auditor Switch

Wars	p-value	Model specification	percent	
MGTCHG TGROWTHB	.05** .07*	Ch-Square Classification rate	25.00** 64.00	(p=.000)
TGROWTHA	.012**	Prediction Rate Switch Group	72.00	
		Non-Switch Group	51.43	

^{**} significant at 5 percent level. * significant at 10 percent level.

presents the results of the logistic regression model explaining the determinants of auditor firms. Initially 13 variables were analysed using maximum likelihood estimation procedure in logistic regression based on centred data. In initial step, stepwise regression identified THB, GROWTHA, MGTCHG AND ROA as significant variables. However, in final step, the selected only three variables (GROWTHB, GROWTHA, and MGTCHG) which met the 1000 and 0.05 levels of significance for inclusion in the final model. The chi-square value for overall was 25 with 3 degree of freedom (significant at the .0001 level). Based on the findings in Table The joint null hypothesis (that is, all the slope coefficients are simultaneously zero) cannot be accepted. support the notion that auditor switch decisions of listed firms in Malaysia is mainly determined management change, and turnover growth both prior and after auditor change. The coefficient of the as reported in Burton and Robert Linbeck and Rogow (1978) and Takiah et al. (1993). Burton and Robert document a significant and replacement of new auditor. Consistent with Takiah et 1993) in the Malaysian context, this study could not establish any significant relationship between fed opinion and subsequent auditor switch. It also confirms the conclusion drawn by Takiah et al. that having profit or losses over the years does not necessarily influence the switch of auditor in Malaysia.

It must be noted that though qualified audit opinion was most strongly associated with auditor change in the US (Chow and Rice (1982)), Australia (Craswell (1988)) and Hong Kong (Gul, et al. (1991)), it is not a significant determinant of auditor change in Malaysia. Similarly, the findings could not establish any significant relationship between audit fee and change in audit firm, inconsistent with documented findings (Eichenseher and Shields (1983), Bedingfield and Loeb (1974)).

4.3 Changes in Firms Characteristics and Choice of Audit Firms

Table-3: Test of differences between Switch to Tier 1 and Switch to Tier 2 Firms

Characteristics	Mean	Mean	t-value
Turnover growth before	.5455	.45	.27
Size before('000)	624624	144632	2.52*
Size after	1108536	316577	2.35*
Asset Growth before	.506	.418	.3117
Asset Growth after	.597	.58	.049
Leverage Before	.4436	.3496	1.7**
Leverage after	.4436	.37	1.6
ROA before	.041	.05	.455
Financing Before	.452	.489	529
Financing After	.421	.40081	.393
Acquisition before	.07938	.0539	1.565

^{* 5} percent significant level

Table 3 summarises the descriptive statistics for firms that switch to Tier 1 audit firms and those that switch to Tier 2 audit firms. The results are for mean differences of the following variables: turnover growth, asset size, growth of asset, leverage, return on asset, financing activities and average acquisition to total asset. There are some noticeable differences. The average turnover growth of firms that switched to Tier 1 auditor are comparatively higher than firms that switched to Tier 2 auditor recording 54 percent and 45 percent respectively, 2 years preceding the auditor change. Meanwhile, the average asset growth before the auditor change for firms that switched to Tier1 audit firms is higher than firms that switched to Tier2 audit firms, recording at 50 percent and 4 percent respectively. And the size of the asset for client firms that switch to Tier 1 are significantly larger than firms that switched to Tier 2 audit firms. The average acquisition before the auditor switch is recorded 7.9 percent for firms switching to Tier1

^{**10} percent significant level

Tier1 auditor exhibited higher leverage than those that switched to Tier 2 audit firms, at 10 percent level. The return on assets for firms switching to Tier2 audit firms is higher, 5 percent than those switching to Tier1 audit firms recording 4.1 percent, but not statistically at the conventional level. This finding suggests some significant differences in the switched to Tier1 and Tier 2 auditor firms respectively.

Initially asset size, asset growth, turnover growth, return on asset, change in operating cash leverage, change in financing activities and changes in acquisition were included in the analysis.

Table-4: Result of the logistic regression analysis

Variables	p-value	Model specification	percent
CHACQUI	.008	Chi-Square	17.46*
CHFA	.03	Classification Rate:	
GRTHB	.024	Overall	81.2
LEVA	.048	Switch to Tier1	95.8
TURNGB	.288	Switch to Tier2	44.4
SIZEB	.221		

^{*} significant at 5 percent level

The results indicate that the choice of auditor exhibits a significant positive association with in financing activities, leverage after the auditor changes, and growth in assets, while a significant association is reported for change in acquisition. Though asset size for client firms that switch is significantly differ from client firms that switched to Tier 2 audit firm, regression analysis exhibit significant association between asset size and audit choice. It is only significant at 21 percent the coefficients of the variables are consistent with theory except for turnover growth. The negative efficient for change in average acquisition demonstrates that firms that switch to Tier 1 auditor exhibit level of average acquisition to total asset during the pre auditor change period compared to the period, consistent with the summary findings in Table 2.

The significant positive coefficient for leverage after choice of auditor indicates that higher leverage firms pose a higher level of financial risk and increases in agency cost of debt. To allow for this possibility, client firms would engage the services of high quality (Tier 1) audit firms, who have greater expertise to analyse the situation and give greater credibility to the financial reporting than small audit firm would. Meanwhile, evidence of a positive relationship between changes in financing activities and choice of Tier 1 audit firms showed that firms switching to Tier 1 audit firms exhibit a higher level of post-auditor change financing to increase the marketability of new securities (both debt and equity). Furthermore, the documentation of positive relationship between firms' asset growth and choice of auditor suggest that rapid growth entails substantial increases in traction volume and accounting complexity, and decentralisation of financial controlling system thus requiring the services of larger audit firms presumably having the expertise to provide specialised services. The large audit firms do have a cost competitive advantage over smaller audit firms.

The summary results show that the average acquisition for firms that switch to Tier 1 auditors are relatively higher than firms that switched to Tier 2 auditors, although the average acquisition tends to decline for former group in the post-switch period. Thus the joint-hypothesis (all the slope coefficients are simultaneously zero) can be rejected with chi-square value of 17.46 with 6 degree of freedom (p=. 0069). The model correctly classifies for 81.2 percent. Earlier studies on auditor choice have documented inconsistent results on the association between clients' characteristic and direction of auditor change. The findings of this study is more consistent with the hypothesis that firms that is expected to raise debt financing demand the services of high quality auditor to monitor management activities that is detrimental to the bondholders. The leverage was hypothesised to be positively associated with the choice of Tier 1 by Palmrose (1984), Eichenseher and Shield (1986). The findings of positive coefficient for the change in financing activities after the auditor change indicates that firm which are expecting to issue securities in the near future demand the service of Tier 1 auditor to attest the credibility to the financial reporting to market participants. This is consistent with the Carpenter and Strawser (1971). They asserted that firms may change auditors especially from a Tier 2 to Tier 1 auditor to increase the marketability of the new securities (debt and equity issue). Consistent with the Johnson and Lys (1990). this study also document asset growth before and after auditor change, change in financing activities and change in acquisition as the major determinants of choice of auditors. However, contrary to Johnson and Lys (1990), this study documented a negative association between change in acquisition and choice of auditor. The finding of negative coefficient indicates that pre-switch acquisition for clients firms that switch to Tier 1 audit firms are comparatively higher than clients firms that change to Tier 2 audit firms

The Wealth Effect of Auditor Switch Decision

Table 5: Market Reaction to Auditor Switch

Trading day	Full sample AR	Tier2-Tier1 AR	Teir1-Tier2 AR	Tier1-Tier1 AR	Tier2-Teir2
-100	0.00146	-0.00296	-0.00294	-0.00275	0.00392
-9	-0.00147	-0.00053	-0.00812	-0.00126	-0.00344
-8	0.00019	0.00311	-0.014**	-0.00034	-0.01363
-7	-0.00392	-0.00247	-0.01710	-0.00182	0.00713
-6	0.00210	0.00781	-0.00365	0.00015	0.01354
-5	0.0054*	0.00686	0.01126	-0.00173	-0.00436
4	-0.00073	-0.00045	-0.019**	-0.00380	0.02316
-3	-0.00019	0.01151	-0.02414	0.00186	-0.00629
-2	0.00390	-0.00093	0.021**	0.00034	-0.00480
-1	-0.00065	-0.00415	0.00005	-0.00291	0.00132
D	0.00228	0.00116	0.00690	-0.00161	0.00014
1	0.00095	0.00016	-0.00431	0.00111	-0.00295
2	-0.00042	0.00022	-0.00600	0.00180	-0.01657
3	-0.00087	-0.00484	0.00078	0.00133	0.01037
4	-0.00213	-0.00326	0.00794	-0.00597	-0.00999
5	0.00340	0.00474	-0.00509	0.00548	-0.00333
5	0.00503	0.00514	0.022**	0.00403	0.01335
7	-0.00119	-0.00329	0.00202	-0.00001	0.01335
3	-0.00040	-0.00611	-0.00072	0.00820*	-0.00621
9	-0.00302	-0.00306	-0.00536	-0.00556	0.00027
110	0.00038	-0.00347	0.00575	0.00330	0.00227
CAR	a normal or early	0.00047	0.00070	0.00371	0.00479
(-60 to -8)	0.00018	.0595*	0.00117	-0.031	-0.0358
(-8 to -1)	0.00618	.0225*	-0.04568*	-0.0098	0.00462
(1 to 7)	0.0043	0.00002	0.0168	0.0078	-0.02062
(B to 20)	0.0025	-0.0288	0.00132	0.0168	-0.02002

significant at 10 percent level ** significant at 5 percent level

amouncement day over the window of 81 days. Average daily excess return and cumulative amouncement day over the window of 81 days. Average daily excess return and cumulative amouncement day over the window of 81 days. Average daily excess return and cumulative amouncement returns were examined for statistical significant using standard test procedure. Findings amouncement that auditor change on average are not associated with significant price adjustments in Malaysia.

The amouncement return on the day of announcement itself and the 3-day (-1 to +1) excess return are percent and 0.0461 percent respectively. These are not statistically significant. The cumulative amouncement return over the days (-60 to -8) and (-8 to -1) are 1.52 and 0.62 percent respectively.

The amouncement CAR over the days (1 to 8) and (8 to 20) are 0.43 percent and 0.025 percent amouncement CAR over the days (1 to 8) and (8 to 20) are 0.43 percent and 0.025 percent amouncement capture.

 $AR = AR_t - 0/SE(AR)$, t-CAR= $CAR_{K,L}$ /SE $(CAR_{K,L})$, where SE(AR)= standard error of AR and SE(CAR)= and SE(CAR)= are derived error of CAR and SE(CAR)= cut-off point from K to L during window periods.

The client firms that switched to higher (lower) quality audit firms experienced positive excess return at day zero of 0.12percent and 0.69percent respectively. The 3-day (-1 to +1) excess return for firms that switched to lower quality audit firms recorded -0.29 percent. However these are not significant at the conventional level. The pre-announcement CAR for client firms that switched to higher quality audit firms over the days (-8 to -1) recorded a net gain of 2.24 percent with t-value of 1.84. However, the CAR at post announcement period over the days (1 to 8) and (8 to 20) declined, recording cumulative abnormal returns of 1.08 percent and -2.30 percent respectively. But none are statistically significant.

Market on average reacted negatively to client firms that switched to lower quality auditor. The CAR over the day (-60 to 0) recorded a cumulative loss of 2.35 percent, which is not statistically significant. However, pre-announcement CAR over the days (-8 to -1) recorded a net loss of 4.56 percent, which is marginally significant at 10percent level. CAR in post-announcement period over the days (1 to 7) and (8 to 20) recorded a net gain of 1.68 percent and .091 percent respectively. However, these are not statistically significant at the conventional level.

The revaluation of auditor change type within classes is more ambiguous and there is not clear-cut direction of price changes. However, overall it appears to suggest a common stock price decline surround the auditor change. The average abnormal return on the day of announcement and three days (-1 through +1) excess returns for client firms that switched from higher prestige to higher prestige audit firm recorded at –.161 percent and -.31 percent respectively. These are small and insignificant. The CAR over the days (-60 to –8) and (-8 to –1) recorded a loss of 3.1 percent and .98percent respectively, which are not statistically significant. The revaluation effect of auditor change from Tier 1 to Tier 2 reported a weak negative market reaction. Though significant positive and negative abnormal return were reported none of the day zero and three-day (-1 to+1) excess return were significant, recording at 0.014 percent and -0.034 percent respectively. The CAR over the day (-60 to –8) and (-8 to –1) registered a cumulative return of –3.5 percent and 1.62 percent respectively. CAR during the post announcement recorded over the (1 to 8) and (8 to 20) were –2.06 percent and –2.5 percent respectively. However these findings are not statistically significant.

To substantiate existing literature, further analysis was done to determine whether firms belonging to different levels of financial condition, and switch audit firms result in different market reaction. The financial healthy firm that switched audit firms resulted in positive market reaction while financially unhealthy firms that switched audit firms resulted in significant negative reaction surrounding the auditor changes. For financially healthy firms, the ARs for the day of announcement and 3-day

and -1.15 percent respectively. While CAR for financially unhealthy firms that switch the (-60 to -8) and (-8 to -1) are recorded a net loss of 15.8 percent and 1.4 percent. These are not statistically significant at 10 percent level.

market reaction surrounding the auditor change. The ARs for announcement day and 3 days were at .16 percent and .009 percent respectively. The pre-switch CAR over the days and (-8 to 1) are recorded as net gains of 1.5 percent and 0.25 percent respectively. But none significant. The post-switch CAR over the interval (1 to 20) reported a net gain of 0.11 this is apparently consistent with Teoh's (1992) contention that firms will experience a positive after a clean opinion than qualified opinion, because high value retention are more common dean than qualified opinion. But none are statistically significant.

from the market reaction to auditor changes, there is weak evidence that the market indeed auditor change as a signal. Thus, auditor switch in this emerging capital market conveys nation value associated with auditor change, but, due to unknown reasons, are not producing the effect normally reported in some developed markets. The demonstration of weak positive reaction reflects that an increase in firm value appears to occur, and it is not a negative market demonstrated in earlier literature pertaining to the developed markets. Observing significant abnormal return for client firms that switch to Tier 1 audit firms prior to auditor change

5 Conclusion

Despite the concerns shown in developed economies, little attempt appears to have been made in Maysia to examine such an important issue in this very fast growing economy. Thus, this paper is a modest attempt first attempt that ascertains the determinants of auditor switch decision and its effect on a valuation of firms listed on the Kuala Lumpur Stock Exchange. The logistic regression and the study methods were used to analyse the data.

In general findings appear to suggest that auditor switch in Malaysia is determined by changes in management, and higher turnover growth. Changes in firms' characteristics such as asset growth prior to auditor switch, changes in average acquisition of fixed asset to total asset, firm's leverage, changes in financing activities were found to be significantly associated with choice of quality differentiated audit firms

Auditor change in general is not associated with any significant price adjustment coinciding with the announcement of auditor switch, despite a positive trend in upvaluation of such firms. However, once portfolios were formed based on the auditor change types, different results emerged. Firms that switched to higher quality audit firms experience positive (though weak) response from market, while negative reaction is observed for firms that switched to lower quality audit firms. The revaluation effect from shifts within classes exhibits weak negative abnormal returns. An interesting difference in the findings of this study and those of similar studies reported in developed economies is that there is a weak positive abnormal market reaction anomalous to those reported in the developed economies. This could be due to the positive development at firm's level and significant upsurge in the Malaysian economy, which had registered average GDP growth of 8-9 percent over the test period. Alternatively, there are some still unknown missing variable that is confounding the results.

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