MODERNIZATION OF TAX AUDIT MECHANISMS IN THE CONTEXT OF DIGITAL TAX ADMINISTRATION

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Abstract: The modernization of tax audit has become one of the central directions of improving tax administration in countries undergoing economic transformation and digitalization. In the current stage of fiscal development, tax audit is no longer limited to the detection of tax violations after they have occurred. It is gradually becoming an analytical, preventive, and risk-oriented instrument aimed at ensuring voluntary tax compliance, increasing budget revenues, reducing the shadow economy, and strengthening trust between taxpayers and tax authorities.

This thesis examines the theoretical and practical importance of improving tax audit mechanisms through the introduction of risk-based selection, digital data processing, automated monitoring, and taxpayer-oriented compliance measures. The study argues that the effectiveness of tax audit should be assessed not only by the number of conducted inspections or the amount of additionally assessed taxes, but also by the quality of audit targeting, the level of voluntary compliance, the reduction of administrative pressure on honest taxpayers, and the transparency of audit procedures.

Special attention is given to the role of digital technologies in transforming tax audit practices. The use of electronic invoices, online cash registers, digital tax reporting, inter-agency data exchange, artificial intelligence, big data analytics, and taxpayer risk profiling enables tax authorities to identify suspicious transactions more accurately and to focus audit resources on high-risk taxpayers. At the same time, the modernization of tax audit requires clear institutional rules, protection of taxpayer rights, professional development of tax auditors, and the creation of a balanced relationship between fiscal control and taxpayer service.

Keywords: tax audit, tax administration, risk-based audit, digitalization, tax compliance, taxpayer risk profile, fiscal control, big data, preventive tax control.

Introduction

Tax audit is one of the most important instruments of state fiscal policy. Through tax audit, the state ensures the correct calculation and timely payment of taxes, prevents tax evasion, protects public budget revenues, and maintains fairness in the tax system. However, the rapid development of digital business models, cross-border transactions, electronic commerce, cashless payments, and complex corporate structures has significantly changed the nature of tax risks. As a result, traditional tax audit methods based mainly on manual inspection, random selection, and post-factum verification are becoming less effective.

In modern conditions, the main task of tax audit is not merely to increase the number of inspections, but to improve their quality and analytical accuracy. Excessive audit coverage may create unnecessary administrative pressure on taxpayers, increase compliance costs, and weaken business confidence. Therefore, the development of a modern tax audit system requires a transition from extensive control to selective, risk-based, digital, and preventive tax administration.

The relevance of this issue is especially high for developing and transition economies, where the expansion of the tax base, reduction of the informal economy, improvement of taxpayer discipline, and digital transformation of public administration are among the main priorities. In such circumstances, tax audit must serve not only as a punitive mechanism, but also as an instrument of economic regulation, fiscal transparency, and institutional modernization.

Theoretical Background

From a theoretical point of view, tax audit can be defined as a systematic examination of taxpayers' financial, accounting, and tax-related information in order to verify compliance with tax legislation. However, the modern interpretation of tax audit is broader. It includes the identification of tax risks, assessment of taxpayer behavior, evaluation of transaction consistency, analysis of sectoral indicators, and prevention of potential violations.

The traditional model of tax audit is usually based on retrospective control. In this model, tax authorities examine the taxpayer's activity after tax obligations have already been declared and submitted. Although this approach remains necessary, it has several limitations. First, it often detects violations only after fiscal damage has occurred. Second, it requires significant human and administrative resources. Third, it may not always distinguish between intentional tax evasion, technical errors, and insufficient taxpayer awareness.

The risk-based model offers a more advanced approach. Under this model, taxpayers are classified according to their risk level using financial indicators, reporting behavior, transaction structure, tax payment history, sectoral characteristics, and other relevant data. Tax authorities then direct audit resources mainly toward taxpayers with higher risk indicators. This makes tax control more efficient, reduces unnecessary inspections of compliant taxpayers, and increases the probability of detecting significant violations.

In addition, modern tax audit has a preventive function. It should help taxpayers understand their obligations, correct mistakes voluntarily, and avoid future violations. Therefore, the effectiveness of tax audit depends not only on sanctions and additional assessments, but also on the ability of tax authorities to promote voluntary compliance.

Research Methodology

The thesis is based on general scientific and economic research methods, including systematic analysis, comparative analysis, logical generalization, institutional analysis, and the study of best practices in tax administration. The methodological approach focuses on the relationship between tax audit, digital transformation, taxpayer behavior, and fiscal efficiency.

The research considers tax audit as a complex institutional mechanism consisting of several interconnected elements: audit planning, risk assessment, taxpayer selection, data collection, audit implementation, legal evaluation, dispute resolution, and post-audit monitoring. Such an approach makes it possible to analyze tax audit not only as a control procedure, but also as a component of the broader tax administration system.

Digital Transformation of Tax Audit

Digitalization has fundamentally changed the possibilities of tax audit. In the past, tax authorities mainly relied on submitted declarations, accounting documents, and direct inspections. Today, they can use large volumes of digital information from different sources. These sources include electronic invoices, online cash register data, customs databases, banking transactions, digital tax reports, government procurement platforms, property registries, and other administrative databases.

The integration of these data sources allows tax authorities to compare declared tax obligations with actual economic activity. For example, discrepancies between sales data, bank turnover, electronic invoices, and declared income may indicate potential tax risks. Similarly, inconsistencies in input and output VAT, artificial transaction chains, repeated losses, unusual profitability levels, or transactions with inactive companies may become signals for further audit analysis.

Big data analytics and artificial intelligence can further improve the audit selection process. Automated systems can identify patterns that are difficult to detect through manual analysis. They can classify taxpayers by risk categories, detect abnormal behavior, predict possible tax gaps, and support auditors in decision-making. However, digital tools should not replace professional judgment completely. They should support tax auditors by providing analytical evidence and risk indicators.

The introduction of digital technologies also increases transparency. When audit selection is based on clear digital criteria and documented risk indicators, the possibility of subjective decision-making decreases. This strengthens institutional trust and reduces corruption risks in tax control.

Risk-Based Audit as a Key Direction of Modernization

Risk-based audit is one of the most effective ways to improve the efficiency of tax control. The main idea of this approach is to focus limited administrative resources on taxpayers and transactions that have the highest probability of non-compliance. This approach is more rational than conducting frequent audits without sufficient analytical justification.

A modern taxpayer risk assessment system should include several groups of indicators. The first group includes financial indicators, such as revenue dynamics, profitability, cost structure, tax burden, debt level, and liquidity. The second group includes tax behavior indicators, such as late filing, frequent corrections, unpaid tax liabilities, repeated reporting errors, and previous audit results. The third group includes transactional indicators, such as operations with high-risk counterparties, unusual invoice chains, cash-intensive transactions, and artificial intermediaries. The fourth group includes sectoral indicators, since some industries are more exposed to tax risks due to cash turnover, informal employment, or complex pricing mechanisms.

The advantage of the risk-based approach is that it allows tax authorities to differentiate taxpayers. Honest taxpayers should face fewer inspections and lower administrative pressure, while high-risk taxpayers should be subject to deeper analytical control. This creates incentives for voluntary compliance and improves the fairness of the tax system.

At the same time, risk-based audit requires methodological accuracy. Risk criteria must be transparent enough to protect taxpayer rights, but not so predictable that they can be manipulated. The system should be regularly updated because tax avoidance schemes change over time. Therefore, risk management in tax audit should be a dynamic and continuously improving process.

Institutional and Legal Aspects

The modernization of tax audit cannot be achieved only through digital technologies. It also requires an appropriate institutional and legal framework. Audit procedures must be clearly regulated, audit powers must be balanced with taxpayer rights, and the responsibilities of both tax authorities and taxpayers must be defined.

One of the important institutional conditions is the standardization of audit procedures. Standardized audit planning, documentation, evidence collection, communication with taxpayers, and decision-making reduce the risk of arbitrary actions. Digital documentation of audit processes can also improve accountability and make it easier to review audit results in case of disputes.

Another important issue is the protection of taxpayer rights. A modern tax audit system should guarantee the right to receive information, the right to submit explanations, the right to appeal audit results, and the right to fair treatment. If taxpayers perceive audits as unpredictable or excessively punitive, voluntary compliance may decline. Therefore, trust and legal certainty are essential for effective tax administration.

Professional development of tax auditors is also necessary. In the digital economy, auditors need not only knowledge of tax legislation, but also skills in financial analysis, accounting standards, data analytics, information technologies, sectoral economics, and risk assessment. Without qualified personnel, even the most advanced digital systems cannot produce the expected results.

Preventive Role of Tax Audit

One of the main weaknesses of traditional tax audit is its focus on punishment after the violation has occurred. Although sanctions remain necessary, modern tax administration should give greater attention to prevention. Preventive tax control helps taxpayers correct mistakes before they turn into serious violations.

Preventive measures may include electronic notifications, risk warnings, pre-audit consultations, voluntary correction mechanisms, educational materials, sector-specific guidance, and digital taxpayer services. For example, if an automated system detects inconsistencies in a taxpayer’s reporting, the tax authority may first send a warning and allow the taxpayer to correct the error voluntarily. This approach reduces disputes, saves administrative resources, and improves taxpayer discipline.

Preventive tax audit is especially important for small and medium-sized enterprises, which may violate tax rules not intentionally, but because of limited accounting capacity or misunderstanding of legal requirements. Therefore, the tax authority should combine control with service. A balanced approach increases trust and creates a more cooperative compliance environment.

Expected Results of Modernization

The modernization of tax audit mechanisms can produce several positive results. First, it can increase the effectiveness of tax control by improving the accuracy of audit selection. Second, it can reduce unnecessary administrative pressure on low-risk taxpayers. Third, it can improve the detection of hidden tax risks and tax evasion schemes. Fourth, it can increase voluntary compliance by encouraging taxpayers to correct mistakes before formal audit procedures begin. Fifth, it can strengthen transparency and accountability within the tax administration system.

Moreover, modern tax audit contributes to the broader goals of public finance management. By reducing the tax gap and improving revenue collection, the state can finance social programs, infrastructure, education, healthcare, and other public needs more sustainably. Therefore, tax audit modernization has not only fiscal significance, but also socio-economic importance.

Conclusion

Tax audit remains a fundamental element of tax administration, but its content and methodology must correspond to the realities of the digital economy. Traditional audit methods are no longer sufficient to identify complex tax risks, monitor digital transactions, and ensure effective compliance. Therefore, the improvement of tax audit mechanisms should be based on risk-oriented, digital, preventive, and transparent approaches.

The study shows that the effectiveness of tax audit depends on the integration of several key factors: a reliable taxpayer risk assessment system, digital data exchange, automated analytical tools, standardized audit procedures, protection of taxpayer rights, preventive compliance measures, and professional development of tax auditors.

In conclusion, the modernization of tax audit should be viewed as a strategic direction of improving tax administration. It allows tax authorities to move from excessive control to intelligent control, from punitive reaction to preventive compliance, and from manual inspection to data-driven decision-making. Such transformation can strengthen fiscal discipline, improve taxpayer trust, reduce the shadow economy, and ensure the sustainable growth of budget revenues.

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