

Research on Optimization of Enterprise Financial Accounting Workflow in the Era of Big Data

Ziheng Tan

Chongqing University of Technology, Chongqing City 400054

Abstract: With the rapid expansion of financial data, traditional enterprise financial accounting workflows can no longer meet the current practical work needs, and traditional enterprise financial work is facing enormous pressure and challenges. In the new era, the accuracy requirements for financial data processing are constantly increasing in the development of enterprises, and the complexity of financial accounting work is increasing day by day. This article starts with the current situation of enterprise financial accounting management in the era of big data, and proposes corresponding solutions to the problems in the current workflow, in order to provide reference for the optimization of enterprise financial accounting in the future.

Keywords: The era of big data; Corporate financial accounting; Workflow; Optimization research

Introduction

Financial data, as an important basis for enterprises to formulate various regulations and decisions, plays an important role in the development of modern enterprises. With the continuous increase in the amount of data generated by financial accounting, the drawbacks of traditional enterprise financial accounting data processing, such as low efficiency, insufficient accuracy, and weak risk management capabilities, are gradually emerging. Combining big data technology with corporate financial accounting work can effectively solve this problem. Through big data analysis, financial trends in the development process of enterprises can be predicted, providing support for strategy formulation, improving the efficiency and accuracy of financial accounting work, avoiding errors caused by human factors in traditional financial accounting data processing, and eliminating unnecessary losses for enterprises. However, to fully leverage the advantages of big data technology, it is necessary to develop corresponding financial accounting workflows.

1. Analysis of the demand for financial accounting workflow in modern enterprises

1.1 Financial accounting work requires higher accuracy and efficiency in data processing

Currently, modern enterprises are experiencing a geometric multiple growth in their financial data during their development process, with a wider variety and higher complexity of data types. If relying on traditional financial work methods and manual data processing, it is undoubtedly unable to meet this requirement. Therefore, it is necessary to establish an automated processing mode for financial data. Using software to input, classify, and encode data generated by enterprises during operation and management processes, and ensuring uninterrupted processing of large amounts of data, thereby enhancing data processing capabilities. While ensuring data processing capabilities, it is also important to ensure data analysis capabilities. Modern enterprises face significant market competition pressure, and the market environment is constantly changing. It is necessary to take timely response measures based on market changes to ensure the long-term development of enterprises. Data analysis is an important basis for enterprises to formulate response strategies. Traditional enterprise financial accounting data analysis is mainly achieved through periodic financial statements. Although this data analysis model can provide support for policy-making to a certain extent, it can no longer meet the actual needs of modern enterprise development. Therefore, it is necessary to establish a real-time data analysis process. On the one hand, enterprise managers need to be able to grasp real-time data on multiple aspects such as internal production, sales market feedback, and consumer satisfaction. At the same time, they need to solve the problems of increasing data volume and processing pressure caused by the continuous expansion of production in the enterprise. Real time data analysis and processing can help enterprises achieve effective control over internal supervision and process management. For example, real-time monitoring of internal supply management, production status, financial

health status, and other issues within the enterprise can be carried out to promptly identify and take effective measures to solve them, ensuring overall operational effectiveness.

1.2 Financial accounting work requires higher requirements for risk management and compliance

Enterprises inevitably encounter various risks in their daily operations, which are multidimensional and commonly include market risk and financial risk. Financial accounting work, as an important foundation for risk identification and assessment, plays a crucial role in the development of enterprises. Specifically, there are two development characteristics presented: firstly, modern enterprises may encounter a variety of types of risks during their operation, while traditional risk management and evaluation models involve relatively single content. For example, some companies have a high level of attention to financial risks and overlook other types of risks. Insufficient comprehensive risk assessment may lead to losses for the enterprise. To achieve stable development, modern enterprises must comprehensively evaluate and predict various risk factors, not only analyze financial data, but also refer to market development trends, consumer behavior, supply chain stability, and other factors to ensure the accuracy of risk assessment. On the other hand, in response to the problems in risk assessment in traditional financial accounting work, it is necessary to start from the workflow in the subsequent work process, monitor and dynamically evaluate risk issues in real time, so as to accurately grasp the development trend of the enterprise, identify risks before they occur, and take effective methods and measures in a timely manner to avoid risks.

In addition, the legal and compliance level of a company during its operation is also an important foundation for ensuring its stable development. With the continuous changes in the global market environment in recent years, the laws and regulations that Chinese enterprises need to adapt to are not limited to domestic laws. The complexity of financial reporting and auditing in modern enterprises is constantly increasing. Not only does it require financial reports to have strong accuracy and transparency, but also to do a good job in internal control and data protection. In this situation, the traditional financial accounting management model is no longer applicable. Only by strengthening the application of information technology and relying on automated tools and systems can the regulatory compliance of enterprise financial accounting work be ensured.

2. Research on relevant strategies for optimizing the workflow of enterprise financial accounting in the era of big data

2.1 Research on Optimizing Strategy Planning and Execution Processes

The key to optimizing the internal financial accounting process of enterprises lies in how to ensure the rationality and improvement of the implementation sequence of relevant strategies. The smooth implementation of policies can improve the accuracy of internal financial reporting, enhance risk management capabilities, and make fund allocation more reasonable, ensuring the healthy development of enterprises in the new market environment. In the process of optimizing the implementation process of enterprise strategies, the first step is to clarify goals and priorities. Through this approach, enterprises can concentrate their efforts on solving higher priority problems, thereby improving the effectiveness of resource integration and optimization. For example, for enterprises facing significant market pressure, the first step is to start from the internal finance of the enterprise, formulate measures in response to market changes, and ensure the maximization of enterprise benefits; For some enterprises under financial pressure, it is necessary to strengthen cash flow management, reduce costs and increase efficiency, to ensure that the enterprise enters a state of healthy development.

After optimizing the policy implementation process, it is necessary to optimize the technology selection and resource allocation. Technology, as an important foundation for enterprise development, is also an important aspect of optimizing the financial accounting workflow in the era of big data. Choosing the appropriate technology can ensure that the effectiveness of financial accounting work in enterprises is strengthened. Specifically, enterprises need to choose appropriate big data technologies and do a good job in infrastructure construction based on the actual needs of internal financial accounting work, in order to ensure the effectiveness is strengthened. For example, for some enterprises that rely heavily on financial accounting reports, it is necessary to choose financial software with better data processing and reporting functions; For some enterprises that are more inclined towards decision support, it is necessary to choose technology types with stronger analytical and predictive capabilities. By selecting technology, more accurate reports can be obtained, providing strong support for internal resource allocation within the enterprise.

2.2 Research on Process Refactoring Optimization Strategies

In order to meet the new requirements of the big data era for enterprise financial accounting work, standardized processes need to be introduced in financial processes, while strengthening the use of advanced technology. On the one hand, simplifying the process, optimizing unnecessary steps, repetitive tasks, etc., and constructing standardized patterns to ensure that the process is

simple and direct, reducing unnecessary consumption caused by cumbersome processes in the work process. Secondly, we should actively promote the use of automation technology. Automated enterprise financial accounting work, as an important foundation for improving efficiency and effectiveness, often has strong flexibility in practical use. Automation technology can not only be used for daily financial accounting processing, generating real-time reports, but also effectively improve the efficiency of big data processing, ensure risk management effectiveness, and provide strong support for the formulation of enterprise development decisions. With the rapid development of information technology in China in recent years, the automation tools and software related to enterprise financial accounting work have become more mature, and there are many types of software to choose from. In practical applications, it can be applied to a series of financial tasks, including data entry and report generation. To a large extent, it reduces the opportunity for manual processing by manpower, effectively ensuring the speed and accuracy of data processing.

2.3 Carry out personnel training and skill enhancement to adapt to new work processes

In the era of big data, the optimization of enterprise financial accounting workflow has not only added new technologies, but also effectively simplified the process. These changes may cause financial accounting personnel to be unable to adapt in a short period of time, so it is necessary to actively carry out personnel training and skill enhancement work. This work mainly focuses on two aspects:

Firstly, we should actively carry out training on new technologies. Financial accounting staff must master the new technologies and skills necessary for their positions. For example, in order to adapt to new financial software and financial work, while proficiently using it, it is necessary to learn its principles and the applicability of various data analysis methods. Through effective training, ensure that the financial accounting team can use relevant software and tools to carry out work normally, and strengthen work efficiency and data processing effects. At the same time, the use of new technologies has replaced traditional data processing methods, making financial decision-making data support stronger and providing more comprehensive information. Financial personnel need to improve their position and continuously enhance their data analysis skills from the perspective of enterprise development strategy. They can extract information closely related to enterprise development from a large amount of data and provide strong support for enterprise decision-making.

Secondly, it is necessary to strengthen the data analysis and interpretation abilities of financial accounting staff. In the new era, there is a sudden increase in data in the operation and development process of enterprises. Financial personnel must adapt to the changes and challenges brought about by the surge in data and complex data types. On the one hand, they need to conduct in-depth learning on existing statistical analysis methods, predictive models, and data visualization technologies to ensure that they can conduct detailed and in-depth analysis of existing data, so as to obtain effective information from a large amount of data. In the process of data information analysis, relevant personnel should consider the overall development plan of the enterprise and changes in the market environment, in order to provide more valuable suggestions for enterprise decision-makers.

3. Summary

The rapid development of technology has led to a new stage of development in the financial accounting work of enterprises at present. Traditional workflows are no longer able to meet the actual needs of enterprise development in the context of big data. In order to ensure that enterprises take the lead in market competition and achieve healthy development, it is necessary to optimize the financial accounting workflow of enterprises. On the one hand, it is necessary to face the challenges brought by data grassroots and data analysis technology, actively adopt new technologies and strategies to ensure the strategy and efficiency of data processing and analysis. On the other hand, it is necessary to simplify the financial accounting workflow, eliminate some unnecessary links, and adapt to the development of the current era and changes in the market environment through this method, thus laying a foundation for the further development of enterprises in the new era.

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About the author:

Ziheng Tan (1999.04-), male, Han ethnicity, born in Wanzhou, Chongqing. He graduated with a bachelor's degree from Chongqing University of Technology and currently holds a master's degree in Business Administration at Gyeong Hee University in South Korea. Research direction: Financial management.