

Research on the Transformation from Financial Accounting to Management Accounting in the Age of Artificial Intelligence

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Abstract: With the constantly development of artificial intelligence, the intelligent level of financial accounting is improving, and is gradually changing in the direction of management accounting. Based on this, this article briefly discusses the influence on financial accounting in the age of artificial intelligent, and puts forward a series of strategies for financial accounting to manage accounting transformation in order to operate in a more efficient way in finance.

Keywords: The Age of Artificial Intelligence; Management Accounting; Financial Accounting

1. The impact of the intelligent era on financial accounting

Electronic information technology has gradually developed into an indispensable tool in people's daily life, and with the continuous innovation of information technology, human has entered intelligence era. Under the background of intelligent era, more and more financial data have being mined. In the past, financial accounting supervision only took place inside the unit, but with the continuous promotion of Internet finance, financial information can be spread through information technology. People can obtain more abundant financial information data which is both original and from other units. Financial data can be contrasted through the Internet. The extremely rich information will affect managers' decision-making. Meanwhile, financial data can be presented in various way. For example, under the established intelligent financial system, information technology can predict future financial data, and timely adjust the financial management status of the current unit according to the discovered economic development trend. Original financial data statistics work needs the help of more intelligent scientific and technological means under the influence of big data, and thus the probability of errors caused by manual data processing can be reduced. Therefore, financial data can be more accurate and easier to be controlled by financial personnel.

Accountants shall ensure that the accounting information provided by them is true, complete, timely and accurate. If an accountant violate professional ethics and fail to engage in relevant accounting obligations in accordance with laws and regulations, he/she will be sanctioned by law, and may not be allowed to engage in relevant occupations for life if one has serious violations. Accountants play an important role in companies, and the accuracy and completeness of accounting information is largely determine whether a correct decision-making has been made for companies. Only through accounting information can enterprise managers analyze a certain decision in an all-round way. If accounting personnel falsify accounting information and compile false accounting data for personal gain, it will harm the interests of enterprises, lead enterprise managers to make wrong decisions, and affect the smooth operation and healthy development of enterprises. A good enterprise should have a good sense of social responsibility and mission. However, the problem of fraud seriously affects the social evaluation, the status and reputation of the enterprise, which will cause

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the loss of investors. Intelligent technology makes massive statistics and calculations on data content on the basis of big data. Generally, the involved data often belongs to intelligent information technology. Intelligent information technology makes more effective, true and relevant data appear in financial storage through further processing of database. In the original financial work information storage, financial information is stored in the form of vouchers and records. However, under the background of intelligent era, Internet blockchain links, and all vouchers and records no longer need to be kept. Blockchain can form a financial information network through information in different regions, so that the storage of financial information can be completed only by database. Traditional financial data is presented in the form of evidence, which is convenient for verification and inspection. Under the background of intelligent era, the authenticity of financial data can be identified through multiple blockchains, and people can draw conclusions about the authenticity of financial data without verifying the original vouchers. Although the financial data storage abandoned the original voucher form, it did not reduce the data collection for each economic activity, but collected more economic activities through multidimensional network.

2. The strategies of transforming financial accounting into management accounting in the intelligent era

2.1 Improve professional skills of financial personnel

Financial personnel need to continuous learn in practical work. The accumulation and application of financial knowledge is an effective way to improve the professional and technical level of financial personnel. In order to better adapt to the financial work under the background of intelligent era, financial personnel should study the key contents related to management accounting according to the characteristics of intelligent information technology. In the actual financial study, not only financial personnel need to fully learn the knowledge of management accounting, but also pay attention to the practical experience of management accounting. They need to correctly treat the value of information technology in the intelligent era, take data as the premise of work, and accurately carry out a series of related matters, such as strategy formulation, implementation and control for the unit through analyzing and studying the data. Although the use of information technology depends on the development of intelligent technology, it also depends on the professional level of financial personnel. Only with the effectively combination can the value of management accounting under the background of intelligent era be highlighted. Although financial personnel can't effectively influence the development of intelligent technology, they can help intelligent information technology and financial work to achieve effective integration through their own constantly improving professional knowledge level. Continuous information disclosure is the responsibility and obligation of a listed company. A company shall ensure the intelligibility and reliability of information in a timely and accurate manner when disclosing information. In the securities market, securities issuers and institutional operators are the holders of information, while investors are in a weak position in the securities market and may not get accurate information in time. Therefore, establishing a sound information disclosure system, increasing the transparency of company information and making the company run healthily in the sun are important measures to solve the problem of information asymmetry, to protect the interests of investors, and to prevent the problem of accounting integrity.

2.2 Strengthen the punishment management of accounting personnel and enterprises

At present, China's accountants have serious problems, such as making false accounts and preparing false financial statements. Laws and regulations have little punishment for these phenomena, which gives accountants the possibility of fraud. The law does not punish the enterprise financial and accounting fraud enough, and the enterprise fraud cost is low. The newly revised Accounting Law has strengthened the punishment management for illegal acts such as fraud. Those who violate the law related to accounting duties, such as providing false financial accounting reports, making false accounts, concealing or deliberately destroying accounting vouchers, accounting books, accounting financial reports, and so on, are not allowed to obtain or re-obtain accounting qualification certificates before, and are not

allowed to engage in accounting-related work after revision, thus enhancing the deterrent force of the law. Some accounting firms collect fees from enterprises, are instructed by enterprises, collude with enterprises, and jointly make false financial statements. Therefore, while strengthening the supervision of accountants and enterprises, it is also necessary to strengthen the supervision of intermediary institutions such as accounting firms and severely punish those who violate laws and regulations. At the same time of supervision, the supervision role of intermediary institutions to enterprises should be made full use of to make them better play their functions, ensure the smooth operation of the market economy order and ensure the orderly development of the market economy. Improving the quality of accountants is the most fundamental way to prevent the problem of accounting integrity. Only when the quality of accountants is improved can we prevent or put an end to the problem of honesty and credit. Accounting professional ethics requires accountants to be realistic, objective and fair when handling affairs. Training a high-quality accountant requires the joint efforts of universities, enterprises and society. In the first lesson of school, students should learn the professional ethics of accountants, so that moral thoughts are deeply rooted in their minds. After working, the enterprise should continuously strengthen the ideological and moral training of accounting personnel. The whole society should also create a good social atmosphere, and establish the integrity files of accountants to fundamentally eliminate the wrong ideas of accountants.

2.3 Future-oriented decision-making

The important difference between financial accounting and management accounting lies in that management accounting pays more attention to the prediction and management of future economic activities, while the focus of financial accounting lies in the analysis of the existing unit economic situation. With the ever-changing economic development environment, the information generated in view of the existing financial status can not fully meet the needs of unit economic development, so that the value of management accounting is further enlarged in the context of the intelligent era. In order to promote the transformation from financial accounting to management accounting, we should first make clear the objectives of accounting work. Adjusting the objectives of accounting work can adjust the overall structure of accounting work in a unit. Under the background of intelligent era, the goal of enterprise financial accounting is not limited to accounting and supervision, but needs financial work to discover more potential risks of the unit, analyze the related benefits generated by these risks, predict the future economic development of the unit, and provide effective decision-making for managers on these economic contents. The above shows that in the daily management of enterprises, by adjusting the decision-making direction of managers, the position of management accounting in the management of economic activities of units is increased, so that financial accounting gradually changes to management accounting, enabling it to better serve the management decision-making work of units. In today's society, social supervision is an important way of external supervision, and social supervision and public opinion supervision are indispensable links in the supervision system. Today, with the rapid development of science and technology and the gradual maturity of Internet technology, mass media should be given full play, advanced moral models should be praised, and those who have seriously broken promises should be publicly criticized to create a good social atmosphere and public opinion vane.

2.4 Strengthen the construction of information technology

Under the background of intelligent era, the transformation from financial accounting to management accounting needs the strong support of information technology, and only with the support of certain information technology means can the prediction and control value of management accounting be brought into full play. In most practical financial management work, the conditions of intelligent information technology in many units are not enough to complete management decisions, and the limitation of technical means hinders the development space of management accounting and limits the accuracy of data information. Therefore, in the process of financial transformation, it is necessary to effectively control the development trend of information technology. The construction of information technology can advance from multiple dimensions, and the company can increase the depth of information technology, and closely link

information technology with the main contents of accounting management, so that the important information needed in management accounting can be realized by information technology, so that information technology can truly serve the work content of management accounting. Besides, companies can expand the breadth of information technology, further promote the practical application of Internet and blockchain technology in financial management, provide more effective data for financial decision-making and forecasting, improve the authenticity of management accounting work, and increase the core value of management accounting work.

3. Conclusion

With the continuous development of information technology, social and economic activities have gradually developed into an intelligent era, and high-level data collation and analysis capabilities can help managers make more accurate decision-making choices. In order to meet the development goals, financial accounting needs to gradually transform to management accounting, and upgrade the original accounting and supervision functions. In this way, accounting work can play the functions of forecasting, control and management, so that the focus of accounting work can better conform to the economic development plan and give play to its own practical value in management work.

References

1. Ren X. Analysis of disclosure of enterprise accounting information (in Chinese). *Corporate Finance 2020*; (17): 55-56.
2. Wang H. Discussion on Financial Management from the Perspective of New Accounting Standards (in Chinese). *Corporate Finance 2020*; (17): 63+65.
3. Xu H. Discussion on the establishment of accounts under the government accounting standards system (in Chinese). *Corporate Finance 2020*; (17): 72+74.
4. Li J. Thinking about the transformation from enterprise financial accounting to management accounting (in Chinese). *Co-operative Economy and Science 2020*; (12): 169-171.
5. Kelly. Research on the optimization and application of accounting supervision under blockchain technology (in Chinese). *Cooperative Economy and Science 2020*; (12): 180-181.
6. Zhang J. Problems and solutions in goodwill accounting treatment (in Chinese). *Corporate Finance 2020*; (17): 14-16.