

# Research on Enterprise Management Accounting Informatization from the Perspective of Financial Sharing

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## Abstract

With the advancement of information technology, financial sharing services are increasingly used in enterprise financial management. The increasingly complex accounting work and business environment make financial accounting must transform to management accounting, and the informatization of management accounting from the perspective of financial sharing becomes the key. How to deeply integrate financial sharing with management accounting and give full play to the functions of management accounting has become the main factor for enterprises to gain advantages under fierce competition. Based on this, this paper combines the relevant theories of management accounting informatization under financial sharing, explores the problems existing in the construction of management accounting informatization under financial sharing, and tries to put forward optimization suggestions from three aspects of framework design, process optimization and professional talents, so as to provide reference for enterprise to construct management accounting informatization.

## Keywords

**Financial Sharing; Managerial Accounting; Informatization.**

## 1. Introduction

The rapid development of 'Internet +' has brought great impact to China's traditional accounting industry. With the emergence of new business models, enterprises begin to carry out management reform, and take management accounting as the core of internal management[1]. In order to improve the fine management of business and make management accounting effectively serve daily business activities, most enterprises begin to introduce information technology. Financial Shared Service Center is a new financial management mode for enterprises. Its application provides favorable conditions for the informatization development of management accounting, lays a foundation for the transformation of traditional accounting industry in China, and provides channels for the effective integration of business and finance.

The Guiding Opinions on Comprehensively Promoting the Construction of Management Accounting System issued by the Ministry of Finance in 14 years emphasized the necessity of enterprise accounting informatization in China and provided policy support for the development of management accounting. In practice, the financial sharing service center provides a large number of high-quality and standardized data information for enterprise management accounting, and the results of enterprise management accounting will be transmitted to the financial sharing service system through the network. The two cooperate with each other. It can be said that the application of the financial sharing service system is the beginning of enterprise accounting informatization[2]. Therefore, the research on the informatization development of enterprise management accounting under the financial sharing service system not only conforms to the policy requirements, expands the theoretical system of management accounting, but also promotes the informatization development of enterprise

management accounting and helps enterprises to realize the transformation and upgrading of accounting.

## **2. Related Theory of Management Accounting Informatization from the Perspective of Financial Sharing**

### **2.1. Financial Shared Information Service Function and Demand Analysis**

Financial data information is an important basis for enterprises to make decisions. The degree of financial data information sharing within the enterprise will directly affect the management and control of the business. Enterprise accounting work under financial sharing can meet the needs of internal and external management decisions by providing basic operational business information, management control business information and strategic planning business information.

#### **2.1.1. Financial Shared Information Service Function**

Basic operational business information mainly includes tax invoice declaration management, fixed assets, business transactions and employee payroll, etc[3]. Among them, the information contained in the enterprise transaction is mainly the accounts receivable of the enterprise. The accounts payable have invoices, specific data, business and payment information. The accounts receivable have invoice opening time, business contracts and bill reconciliation. Fixed assets have fixed assets change, disposal, asset allocation and inventory information.

Management-based control business information mainly includes financial accounting, internal management mechanism, financial report and management accounting of enterprises. Among them, financial accounting has information such as transaction records, registration and settlement of corporate general accounts. Internal management mechanism has business process compliance supervision, internal control and other information. Management accounting has the information of four abilities, cost distribution and operating budget.

#### **2.1.2. Financial Sharing Meets Internal and External Needs of Management Decision**

Enterprises need to have a large amount of data and information for reference when making decisions, and financial sharing can provide reference information for enterprise decision-making from the internal and external environment. In terms of the external environment, the financial shared service system can provide enterprises with current political and legal documents, industry environment and competitive enterprise information. Help enterprise management to better understand the situation of cooperative enterprises, grasp the other party's enterprise scale, business operations and habits of receiving and paying accounts, and other information, as far as possible to avoid the risks of enterprise cooperation. In addition, it can also provide management with market supply and demand information, and help management make reasonable production and marketing decisions. In terms of the internal environment, the financial sharing system can provide the management of the enterprise with information such as cost, budget, performance management and investment, to ensure that the management can rationally allocate the resources of the enterprise through information such as operation, finance and capital situation when making decisions, and continuously optimize investment decisions according to investment information to help enterprises obtain greater economic returns.

### **2.2. Analysis of the Relationship between Financial Sharing and Management Accounting Informatization**

Enterprise management accounting informatization has four characteristics, namely universality, integration, dynamic and progressive, these characteristics make enterprises in the process of developing management accounting informatization need to continuously obtain

information and build the entire system framework, and the financial shared service system can promote the construction of these two aspects, playing a key role in the development of management accounting informatization. The following will explain the relationship between the two from four levels: cost management informatization, budget management informatization, performance management informatization and investment management informatization.

### **2.2.1. Cost Management Informatization**

With the continuous development of enterprises, the types of business tend to diversify, and the accounting involved in cost management becomes more and more complex. The application of the financial sharing service center makes the enterprise accounting change from traditional manual accounting to informatization, realizes automatic analysis of finance through the financial sharing center, automatically obtains financial data, accounts for business costs, and effectively improves the efficiency and quality of enterprise accounting work. When the cost of the enterprise deviates from the expected target, the cost control scheme can be adjusted by re-forecasting and analyzing the business to maximize the benefits obtained by the enterprise[4].

### **2.2.2. Budget Management Informatization**

The application of the financial sharing center can solve the problems of inefficient traditional budget management and waste of human resources, under the set budget model, through the input parameters, the budget management and electronic budget are more deeply integrated, and the data is analyzed and adjusted in the process of budget control, so as to improve the rationality of the budget and realize the automation of the enterprise budget.

### **2.2.3. Performance Management Informatization**

Under the financial sharing center, enterprise performance management informatization can strengthen the communication between various departments, so that data and information can flow between departments, form a unified performance evaluation standard, help enterprises formulate reasonable performance evaluation methods, bundle and converge the interests of employees and enterprise growth to the greatest extent, and the various systems and strategies can be better implemented and implemented, providing a solid guarantee for the realization of long-term strategic goals.

### **2.2.4. Investment Management Informatization**

The information construction based on financial sharing can liberate financial personnel from basic work such as cumbersome accounting, transform their functions from financial accounting to management accounting, and provide better human resources for enterprise strategy formulation and operation management. By improving the work efficiency and quality of financial personnel, the resources are more rationally allocated, and better information services are provided for enterprise investment.

## **3. Challenges in Implementing Management Accounting Informatization Under Financial Shared Services**

### **3.1. The Cost of Implementation is Prohibitive**

With the development of information technology in China, enterprise management began to change the management concept, enterprise informatization was greatly improved, and financial accounting systems and cost management systems were gradually applied to enterprises. However, most management systems only serve a single department and do not have unified leadership, resulting in difficulties in obtaining data and information between various departments and information asymmetry. The management accounting system under

the financial sharing service integrates various functional modules and unifies management, which can realize cross-departmental information sharing and exchange of enterprises. The construction of financial shared service platform, according to the different construction methods will produce different implementation costs, if only a simple physical connection, although it can reduce the development input costs of enterprises, but may lead to data information incompatibility because of the standard is not uniform, the efficiency of data information sharing in various departments of the enterprise is low, and the utilization rate of integration results is reduced, which will increase the operation and management costs of enterprises.

### **3.2. The Working Mechanism is not Mature**

From the current situation, under the financial sharing service, although the development of management accounting informatization has attracted the attention of various enterprises, because enterprises have less experience in the implementation of informatization development and lack unified standards, in the process of development, the traditional working mechanism is still adopted, relying only on the informatization department of the enterprise for informatization construction, and the informatization department formulates relevant system requirements, proposes implementation plans and carries out supervision work. Due to the inability of the management of various departments within the enterprise to unify the management concept and unwilling to participate in the management process, the development speed of the information construction work is slow, and the overall construction cycle has to be extended, making it difficult to complete the original plan on time.

### **3.3. The Quality of the Information is Relatively Poor**

In actual work, there are some problems in the data information of enterprise management accounting, resulting in poor quality of accounting information, which affects the decision-making of enterprise management to a certain extent. Under the financial sharing service, because of the development of informatization, the workload of manual entry is reduced, but it is not completely separated from manual, and there may be problems such as inaccurate entry and inaccurate conditions for confirming economic behavior, resulting in inaccuracies in source data and support data, affecting the stable development of enterprises.

### **3.4. There is a Shortage of Management Accounting Informatization Professionals**

Compared with traditional financial accounting, enterprise management accounting has a higher demand for high-level talents, and most of the employees responsible for the development of management accounting informatization in enterprises are transferred from financial accounting, with a low level of professional skills and no relevant experience, showing the characteristics of unstable financial expertise and lack of understanding of information expertise, can be competent for general financial accounting work, can not play a complex data and information processing functions under big data, and can not achieve the real conversion from financial accounting to management accounting. Further, due to the lack of data management and maintenance capabilities, it is too dependent on the IT department, and when problems arise, they cannot be solved in time, which seriously restricts the process of management accounting information development.

## **4. Implement the Strategy Research of Management Accounting Informatization under Financial Shared Services**

The construction of management accounting informatization should be based on business processes, integrate financial work into each field and unit of the value chain through the

financial sharing service center, and then use management accounting related tools to integrate finance and business together to realize the unified management of enterprise data and information, and provide information services for the management of various departments. This financial management model comprehensively opens up the financial, business and information systems of enterprises, and a large amount of data, including management accounting information, can be effectively shared and utilized, so the management accounting information system can be incorporated into the financial sharing service center and become one of the branches[5].

#### **4.1. Management Accounting Information System Framework Design**

The development of enterprise management accounting informatization must set goals, take the financial sharing service system as the foundation, combine their respective characteristics, from data input to information processing and storage, and then to the final information sharing, to ensure the continuous interaction between enterprise data and information under the minimum personnel work, and establish a large database and cloud service model to provide high-quality information services to the management. The management accounting information system of enterprises will also be gradually applied to functional modules such as cost, budget control, performance evaluation and investment management.

##### **4.1.1. Input Session**

Based on cloud computing, the financial sharing service center obtains a large amount of effective data information through its own electronic accounting system, bill scanning system, etc., and saves it in the cloud so that all departments of the enterprise can extract information at any time. Based on cloud computing under the financial sharing service center is a powerful data center library of enterprises, management accounting information system can connect the data interface, obtain relevant data information, and support other systems to manually enter data information, in order to timely adjust errors, according to the specific operating conditions of the enterprise, through the mirror database to save important data information.

##### **4.1.2. Processing Links**

With the rapid development of China's information technology, cloud computing, pattern recognition and graphic conversion and many other new information technologies for enterprises to establish a financial sharing service center to provide a technical basis, starting from the input source of data information, using a unified processing method, accounting rules, management mode, real-time screening, collation, analysis and storage of a large number of fragmented data information, so that data information can be shared between various departments within the enterprise, improve the relevance of data. Through the decision analysis of the service and application layers in the system, a large amount of chaotic data information is transformed into the data information required by the enterprise. The use of enterprise hardware and software facilities, the establishment of cloud data processing layer, improve the efficiency of data and information processing, to achieve the accuracy and efficiency of information transmission between. The use of artificial intelligence and other technologies to virtualize the management of collected data information, and then use management accounting related tools to query, statistics and analyze data, to meet the strategic and decision-making needs of enterprise management to the greatest extent.

##### **4.1.3. Output Link**

The financial sharing center opens up the information interaction channels of the information subject through information technology, and the management accounting units, especially the responsible accountants, are the end users under the cloud system of the sharing center. As a large-scale data center of an enterprise, the information stored in the shared service system should be set with different permissions to enable sharing between terminals, integrate

management accounting into the shared database, and ensure that the end users who use management accounting can extract information and share information at any time. In accordance with the pre-defined rules, the cost management system selects a specific analysis tool, allocates the cost of the enterprise according to the elements, operations and periods, etc., and finally summarizes it into the cost performance report of each responsibility center, which is convenient for the comparison of the performance report of each responsibility center and the analysis of the overall cost management effect of the enterprise management, and reasonably predicts the cost of the enterprise. The budget management system established by the enterprise can prepare budget plans for multiple periods, scenarios and dimensions, realize the informatization of the whole process of the budget, and implement the comprehensive budget management of the enterprise. In addition, enterprises can also comprehensively monitor finance and business, ensure the real-time exchange of data between the budget system and various businesses, modify errors in a timely manner according to standards, and realize the whole process supervision of enterprises from budget to program implementation to final performance evaluation result feedback.

#### **4.2. Process Reengineering**

The traditional accounting business of enterprises is usually distributed in multiple departments, prone to the problem of accounting and practice do not match, a single information system plus independent processing standards lead to information can not be transmitted between various departments, especially in the rapid development of the Internet, financial information is difficult to effectively support the decision-making of enterprises, resulting in the basic business processing facing great pressure and waste of financial resources, hindering the process of fine management of enterprises[6].

The financial shared service center will be distributed in different regions of the subsidiary's daily financial reimbursement, statement preparation and other functions stripped out for centralized processing, through the integrated network remote, real-time for the whole group business units to provide basic financial services. Enterprises take the core business process as a data center, design management accounting system, establish a reward and punishment mechanism according to the established goals, open up the channel between the R & D department, production department, sales department and logistics department of the enterprise, improve the ability to process data at the three levels of terminal, management and cloud, establish a complete business management mechanism between departments, ensure that enterprises achieve the transformation of management mode and business model innovation, connect the supply side and demand side with data, drive industrial transformation and upgrading, and promote the integration and development of traditional industries and the new economy.

#### **4.3. Information System Integration and Optimization**

The interaction of enterprise information systems and business processes has jointly promoted the development of enterprise accounting work. The various functional modules in the management accounting information system should cooperate with each other, based on the responsibility system, establish a responsibility center network, realize the mutual mapping and personalized setting of other information systems and related content of the management accounting information system, and form a unified standard and process while maintaining the independence of each system. Each system can be connected through XBRL, establish an information system under a large database, improve the accuracy of the data in the system and the horizontal and vertical coordination between a large number of data, realize the information sharing of various departments, and give full play to the functions of the enterprise information system. Through the collaborative integration and new creation between various systems, the sharing of enterprise data and information is realized, and a complete

management accounting system is formed, but based on unified rules, it is necessary to retain the independence and personalization of each system itself.

## 5. Conclusion

The impact of information technology such as cloud computing and big data on people's lifestyles and working styles is far-reaching, and the management mode and organizational structure of enterprises have undergone major changes, and large-scale entity enterprises have gradually changed to flat, specialized, networked and virtualized. Therefore, the construction of accounting informatization of enterprises should fully consider the integration of information technology, use financial shared service centers, effectively obtain internal and external data, and tap the potential value it has, so as to realize the refined management of enterprises and promote the construction of enterprise management accounting informatization. In the context of China's economic development environment, in order to effectively play the function of management accounting, it is necessary to realize the informatization of management accounting with the financial sharing service center as the main and information technology as the supplement.

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