

# Research on Computer Aided Financial Integration of Group Enterprises

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**Abstract:** The wave of information technology innovation is getting higher and higher, and computer technology is developing towards a mature trend, which has become an indispensable part of social construction. In the management system of enterprises, especially in information management, the role of computer network technology can not be underestimated. The appearance and application of this technology make up for the shortcomings of the traditional information management model to a great extent, which provides favorable conditions for the managers of enterprises to manage information efficiently and comprehensively, and improves the work efficiency. This paper mainly starts with the importance of financial management informatization of group enterprises, analyzes in detail the current situation of financial informatization construction of group enterprises based on industrial and financial integration, and puts forward corresponding construction strategies in view of the existing shortcomings.

**Keywords:** computer technology; Corporate finance; integration.

## 1 INTRODUCTION

Under the background of information age, improving the efficiency of enterprise information management has become an important part of enterprise work system. Computer network technology is not only a tool, but also a management tool. Managers of enterprises should give full play to the advantages of computer network technology and adopt appropriate ways to avoid the possible risks in the process of managing the information formed within enterprises. Only in this way can the effective management of enterprise information be realized. Therefore, it is of key significance for enterprises to explore the application path of computer network in enterprise information management from an in-depth perspective[1].

Taking the current development status of enterprises as a reference, there are many contents involved in the management of modern enterprises, which can greatly affect the competitive strength and strategic development goals of enterprises in the industry. In recent years, the development and innovation of science and technology have provided an important impetus to the operation and management of enterprises, which has gradually reflected the characteristics of integration and informatization of modern technology. Under such a development trend, the information management of enterprises tends to be perfect[2]. With the support of big data technology, how to mine effective information from large-scale data formed by enterprises as a reference for enterprises to make major decisions has become a focus of information management. Enterprises can effectively integrate computer network technology in the

process of management, which can better promote the enterprise to realize information management[3]. In the process of data processing in enterprises, computer network technology plays an important role. From the point of view of the characteristics of enterprise information management, its core is not to collect information, but to integrate, use and store it. Through the analysis of data technology, we can improve the efficiency of enterprise information construction and provide decision-making basis for managers[4].

## **2 THE APPLICATION PATH OF COMPUTER NETWORK TECHNOLOGY IN ENTERPRISE INFORMATION MANAGEMENT**

### **2.1 the application of computer network technology to carry out file information management**

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In enterprise archives information management, computer network technology mainly plays a role in three aspects, namely, information retrieval, collation and archives management. Compared with the manual management mode, the advantages of computer network technology are obvious, including higher retrieval efficiency, higher availability, better storage effect, smaller cost scale, and promotion of information sharing[5]. In the process of applying computer network technology to archives management, we can search the archives in the network, then digitize the archives, and archive the archives by using relevant software and technology. This management method not only reduces the work related to file management, saves working time, but also can store files for a long time, which is also convenient for consulting when file information is needed. The most important thing is that the archives accessed through computer network technology have high authenticity and credibility, and there will be almost no big errors, which improves the quality and efficiency of archives information management[6].

In every field, archives are the most important form of information. The use of computer network technology can manage archives from the perspective of integrity and unity, improve its scientificity and intelligence, and improve the database regularly, so as to improve the security of archives management. In addition, in the daily access to data, managers at all levels can quickly find the required files, breaking the time and geographical restrictions on file search, and users of files can find the required data anytime and anywhere. From this point of view, the sharing of resources has been realized.

### **2.2 the application of computer network technology to implement enterprise project management**

It is also very important for enterprises to make rational use of computer network technology in project management. From the point of view of the content and mode of enterprise information management, computer network technology plays an auxiliary function. It can make the information produced by enterprises in business activities be managed scientifically, thus providing a basis for rational planning of production processes, realizing the optimization

of resource allocation and improving the order of production processes. In addition, under the condition of applying computer network technology, the production information can be updated in time, thus providing effective production trends for the customers of enterprises. This kind of management can make enterprises and customers realize two-way understanding, so as to better complete cooperation projects. Rationalization of information can make production and demand match better, and form a certain grasp of the market demand for products, thus making the production activities of enterprises more efficient. In a word, computer network technology mainly plays three roles in production projects: first, project budget. The application of this technology can achieve the goal of automatic office, promote paperless management of project office budget and reduce the scale of office cost. Second, monitor production projects. Control the progress of production process, such as project quality, progress, budget cost, safety management, etc. The biggest advantage of this management mode is to avoid production problems during the project. Third, data support. Before the formal implementation of the production project, according to the project plan, the budget scale that the project can achieve can be simulated and calculated, and the obtained data can be used as the basis in the future production process of the project.

### **3 BASED ON THE INTEGRATION OF INDUSTRY AND FINANCE, THE GROUP'S FINANCIAL INFORMATION CONSTRUCTION STRATEGY**

#### **3.1 Develop a standardized financial management information system platform**

The key to the construction of financial management information system lies in the construction of financial management information system platform by each subsidiary. For the construction of this platform, we need to consider the following points:

- ① Clarify the basic goal of financial information system platform construction, that is to say, it is necessary to ensure that the financial management information system platform meets the financial management needs of the Group and its subsidiaries, so as to realize the sound development of the Group.
- ② During the operation of group enterprises, it is necessary to improve the information system of financial management, build a good management atmosphere and strengthen the information management awareness of personnel.
- ③ Collate the financial management information of the Group and its subsidiaries with each other, and make the financial management information platform work well with the help of database technology, so as to achieve the purpose of information sharing.

Establish a standardized financial management information system platform, which can input data and manage it in a unified way on the basis of integrating data, so as to control risks and meet the dynamic demand of group enterprise information. Moreover, according to the different information requirements of financial management, it should be effectively carried out on the unified information platform of the group, so as to improve the level of financial management[7].

### **3.2 do a good job in financial management information construction funds investment.**

At present, it is necessary to strengthen the informatization construction of financial management and try to narrow the gap between group enterprises and foreign enterprises. On the one hand, the government can build a certain policy environment for enterprises and provide corresponding support for the informatization construction of group enterprises. On the other hand, group enterprises need to increase capital input and build a software management system with strong confidentiality to prevent the influence of bad viruses during the construction of financial management informatization stage.

### **3.3 Improve the working quality and ability of the group's financial personnel.**

Introducing high-quality talents that meet the needs of financial management informatization of group enterprises is the key to construct financial management informatization. With the continuous development and improvement of science and technology, the competition among enterprises is becoming increasingly fierce. In fact, in the final analysis, enterprise competition is the competition between talents. At present, in order to achieve the goal of financial management informationization of group enterprises, it is necessary to introduce and cultivate comprehensive personnel with rich financial expertise and work experience, and who can also skillfully operate computer technology. Group enterprises can improve the informatization level of enterprise financial personnel by training employees, or build a high-quality financial management informatization team in the form of external recruitment, and enhance the competitive strength of group enterprises on the basis of speeding up the construction of financial management informatization, thus promoting the good operation of group enterprises.

### **3.4 with the help of financial management system information to improve the effect of comprehensive budget management**

The so-called operating budget mainly means that the business budget is the main basis of the comprehensive budget, while the financial budget is the basic integration of various businesses. At this stage, in order to better implement comprehensive budget management, we must use the unified information system of the group. This system mainly includes financial and budget systems, which closely connects all information systems in the group and enhances the confidentiality of information on the basis of realizing data sharing. Moreover, relevant personnel need to prevent and control internal risks in relevant nodes, so as to reduce the probability of risks[8].

## **4 APPLICATION EXAMPLES**

### **4.1 Cause analysis of financial management problems in Company A**

Since its establishment, Company A has gradually launched some information systems covering some business and financial work, but these systems are isolated from each other and data cannot be shared. At present, the administration department of Company A uses OA system to send and receive daily official documents, the business department uses industry management system to create contracts and approve the delivery process, and the finance department uses UFIDA financial software to carry out accounting and report issuance, while the financial system fills in property rights reports and management reports, and Nine Stars

collects and pays funds. See Table 1 for details. These systems of Company A can only meet the daily record of business and finance, but can't meet the management requirements of the company. In order to meet the management requirements of the company, in addition to the application of the existing system, most of the key information statistical analysis work of the business department and the finance department still needs to be processed manually by offline EXCEL. Multi-systems lead to fragmented departments, poor information communication between departments, untimely data presentation and heavy workload of repeated entry, which directly affects the comprehensive application of financial information of Company A[9]. The specific manifestations of this "information island" phenomenon are as follows:

Table 1: A Use of the existing systems

System	Use the department	Function
OA	Administration Department	Daily document receiving and receiving
Operation system	Business department	Contract creation, goods release and other approval
UFIDA	Financial department	Accounting accounting, statement issued
Jin CAI	Financial department	Property rights report, management report
Nine stars	Financial department	Fund collection, payment

① The establishment time of each system is inconsistent and there is a lack of overall planning. At first, the information system was built with the interests of departments as the guide, aiming at improving the work efficiency of departments. Each department put forward its own management requirements, and did not build the system from the perspective of the overall management planning of the company. In the end, the use of multiple systems caused poor compatibility between systems, and this closed-door planning made the system difficult to carry out secondary development and weak flexibility.

② The system integration is weak and it is difficult to share information. The data interfaces of multiple systems are different, which results in that the data can't circulate with each other, and the data is repeatedly entered between different departments and different systems, which not only has a large workload and is prone to errors, but also has poor data availability, which hinders the process of integrated operation of financial services.

#### 4.2 Design framework of ERP financial management system of Company A

The framework of enterprise financial management information system is designed with ERP as the core, including purchasing management, inventory management, sales management, expense management and fund management. Around the ERP system, realize financial data sharing and co-governance. In order to ensure that ERP can better support financial management needs such as financial fund management, performance evaluation and decision support, the data standard system, data sharing and data analysis will be realized simultaneously or gradually. Corresponding to it are supporting master data management system, report analysis system, shared service center system, fund management system, comprehensive budget management system and unified portal system. Business is the lifeblood of enterprise operation, and system is the accelerator of enterprise operation, so

building an efficient and scientific financial management system is inseparable from the actual business needs and information system platform[10]. Therefore, the construction of the financial management system of Company A should be considered from the business dimension, that is, the financial management perspective and the technical dimension, that is, the financial management technology perspective, so as to determine the effective objectives, scope and requirements and improve the efficiency of financial management. Starting from these two dimensions, this paper designs the overall design framework of the financial management system of Company A, showing the interactive design mode of two dimensions. As shown in Figure 1.

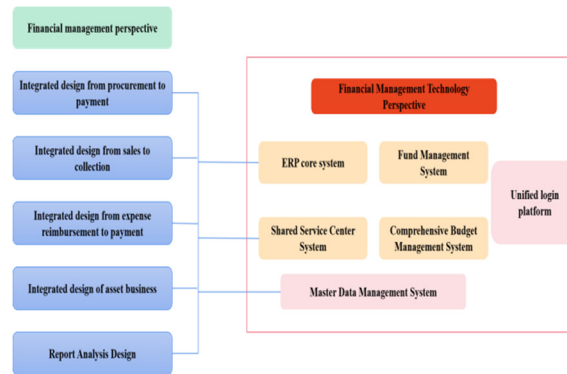


Figure 1: Design framework of ERP financial management system of Company A

#### 4.3 The implementation effect of ERP financial management perspective in company A

The traditional grain trade industry is greatly influenced by the fluctuation of commodity prices at home and abroad, with large capital investment and long payback period, which makes enterprises vulnerable to huge potential business risks. With the implementation of each module of ERP information system, data integration can be realized, and its powerful data processing ability can improve decision-making efficiency and adapt to the changing market environment. The following will analyze the situation before and after the optimization of the financial management module from four angles: financial objectives, financial management mode, financial functions and financial efficiency. The specific analysis results are shown in Table 2.

Table 2: Comparative analysis table of the financial management perspective of the old and new systems

Number	Analyze the Angle	The old system analysis	New system analysis	Optimize the effect
1	Financial objectives	The original system is a decentralized, separated management, focusing on accounting compliance.	The new system is flat, centralized management, in addition to the original financial goals, more of the strength of financial integration.	Serve the business and provide value-added services for customers.

2	Financial management mode	The original system emphasizes the collection and recording of data after the event, and the accounting information seriously lags behind the business practice.	The new system emphasizes prior planning and timely adjustment to ensure the integration of the flow of information, logistics and capital flow.	Financial and business integration, real-time control of business data, improve the effectiveness of decision-making.
3	Financial functions	Single accounting function, the local financial workload is large, it is difficult to have time to participate in the valuable financial analysis.	To the management accounting function, through the financial sharing center, ERP core system, release the labor force of financial personnel.	With the help of information system technology, financial personnel have more time to provide value-added services to enterprises and transform to intelligent finance.
4	Financial efficiency	The original enterprise data is scattered in various systems, which cannot be connected, and the data versatility is poor, which affects the work efficiency.	ERP system construction realizes integrated operation. Ensure that the data homology, sharing, information communication is more timely.	The seamless docking of the system ensures the quality of data, thus improving the application efficiency of data application.

From the perspective of financial management, the results show that with the development of information technology, the functions of finance are more abundant, and the level of service, supervision and guidance to business is effectively improved around the concept of all-for-business service. Use information technology to empower finance, promote deep financial integration, and integrate business.

## 5 CONCLUSIONS

With the advent of the information age, enterprise management has entered a new stage. Information technology and computer network technology play a key role in enterprise management system, which provides more ideas and methods for enterprises to carry out information management and improves the work efficiency of managers. Therefore, after understanding the significance of computer network technology in enterprise information management, enterprise managers can actually apply computer network technology to enterprise file information management, project management and financial management. Through a series of discussions on the application path of computer network technology in

enterprise information management, I hope to provide some reference for improving the quality and efficiency of enterprise management.

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