

# Study on the Application of Information Technology in Cross-Enterprise Collaborative Strategy

Zhong Cai

Jiangxi Provincial Education Examination Authority

**Keywords:** Collaborative management; Informatization; Information management; Enterprise

**Abstract.** In recent years, cross-enterprise collaborative project management has become a popular research and practical direction in the field of project management. Along with the accelerating pace of globalization, the enterprise and enterprise, organization and organization or even between country and country has been deepened collection increasingly in the field of politics, economy, culture, military and other fields. Also, cooperation project between enterprises and even countries is more and more. How to understand, building a trans-national, cross-enterprise collaborative project planning and management system, and strengthen coordination, unity of the cooperation projects between enterprises, Simultaneously maintaining their independence; improving the level of organization construction, the risk tube controls, the cost control and the customer management; Enhancing the validity of Enterprise collaborative management is a challenging topic in the project management of cross enterprise coordinates.

## Introduction

As the financial crisis gradually affected the real economy, Chinese enterprises, like many foreign companies, are subject to influence differently. Meanwhile, companies have adopted positive measures, trying to reduce the negative impact of the crisis, and In every measure, "reducing expenditure and the enterprise cost, enhancing competitive power of enterprises" have become the mainstream choices.

The enterprise informatization is that the enterprise uses modern information technology, through the development and utilization of information resources, and the continuous improvement of the production efficiency, operation, management, decision-making and level, increasing their operational efficiency and competitiveness of enterprises, whose core is to reduce the cost and improve the management level. Enterprise information is a business opportunity, also a greater risk. Both the informatization cost, the informatization development speed as well as the benefit, are serious problems that small and medium-sized enterprise needs to face in our country. The enterprise should not be blind, but be based on the present situation in our country informatization, and analyse the enterprise from the strategic angle and choose the informatization strategy suitable for this enterprise.

The informatization is the advanced management idea which integrates the existing resources and the management module, makes standards, cards process, greatly improves the efficiency of management, to support enterprise management strategy, and promote enterprise's core competitiveness. This article proves important influence which the management, the flow and the coordination on, and propose several ponders from the development direction of informatization practice, promoting enterprise's informatization management level.

## Coordination Management

Coordination management, namely is cooperative engagement, which arranges and combines the partial strength reasonably to completes some work and the project, such as cooperative sale. Collaborative management is a management system based on the agile development model, with the object of virtual enterprise. The hypothesized enterprise is a environment system essentially composed with many subsystems. Collaborative management produces an ability of "competition-cooperation-coordination" is through the reorganization of time, spatial and functional

structure for various subsystems in the system ,whose effect is much greater than the new structure of time space and function resulted from the sum of subsystem

The concept of collaborative management is characterized by three basic ideas, namely, information network, business associations and need-demand.

At present in the market, most of the platforms of CMP coordination management take Web as the construction, follow the product design idea of SOA (face service architecture), and adopt the java language development. In the application, What is the most importantly is that the platforms of CMP coordination management needs to achieve DIY, the personalization to satisfy the demand of different enterprises and different stages .The flexibility and the extension are the most important performance of the DIY characteristic .DIYCMP is one of the representative concept, in which all administration module is unifies on the platform of CMP (most of its main competitors also come from SAP and Oracle these world rank enterprises).The component structure of DIYCMP module, which can integrate each kind of module to meet the special need of enterprise freely, is a set of comprehensive business management software. More importantly, once it is delivered to quests, it supports personalized customers and the ability to secondary development of OA. Various subsystems not only can be used independently but also combination use realizing seamless connection sharing of data.

### **Cross-enterprise's Coordination Management**

Enterprise's coordination management here mainly refers to the coordination in the aspect manner and all levels of ability in organizations and staff in different positions.

In social activities, due to different ideas and ways of thinking, different people have a big difference on handling matters. When expanding to our enterprise group, it requests our enterprise have a same direction and a centralized idea between human resources management and his subordinate groups and requests us to make our basic idea obtain the unification in all ways. In order to obtain the development and the strength, an enterprise must make enterprise culture to obtain complete manifesting and persist itself self-principle and the plan. The development of enterprise cannot leave the human resources, so we should consider Whether talented's idea conform to our enterprise when hiring the talented. Certainly we also must note this point in carries on the unification management to the personnel, making them know the objective and the idea of our enterprise by all-round training. Only in this way can we achieved our goal, and put the enterprise under the coordination management.

### **The Strategic Steps of Enterprise Informatization**

**Locates the Enterprise, Determine Informatization Goal.** Before the information construction of enterprise, people must reposition the enterprise from business strategy, systems, human resources, management, industry environment, competitive position of the enterprise .The author thinks that using the third party information consultancy is very effective. The consultation organization, which has the rich knowledge and the experience, can provide the science instruction and the integrity plan. Investigating the needs of enterprise's informatization based on the position of enterprise, and proposing correctly the type of informatization system are the basic requests for the informatization construction. Finding the insufficiency and the bottleneck in the exsiting development system from enterprise's actual situation can make enterprise informatization pointed and propose the more reasonable informatization construction demand and better carries on the informatization construction. Information systems planning, as shown in Fig. 1.

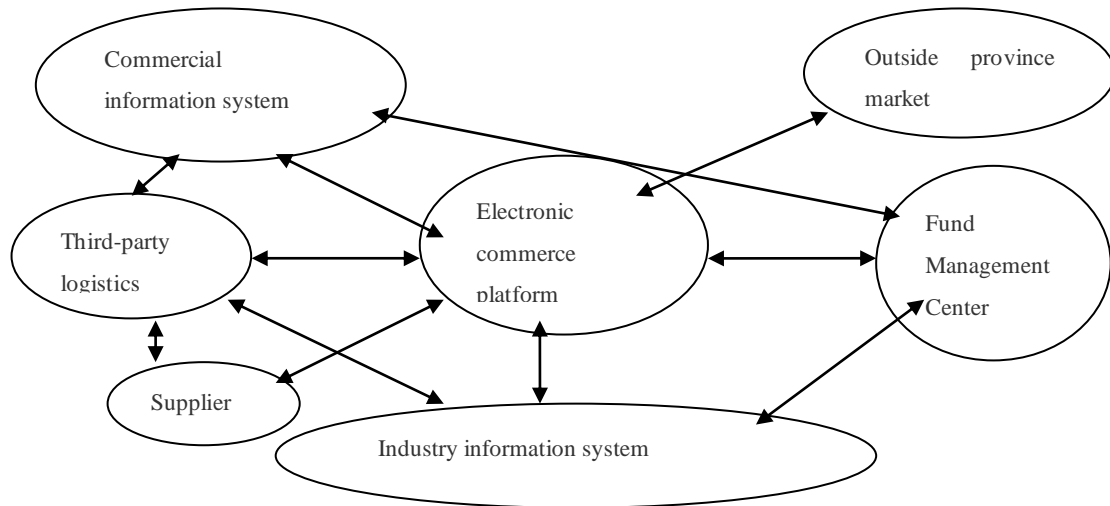


Figure 1. Information systems planning

**Action Program and Management.** First, formulating implementation plan, analyzes each system function module and determine the duty, the request, the standard, the budget, the scope, the degree, the time progress of each project, and establish normative project management flow. Next, carry on the organization planning. Set up a project implementation team for each project, clear the model of organization, and carry on professional training and information education for employees. Finally, carries on the monitoring and the management to each project group. Not only the good action program can guarantee the enterprise informatization construction goal the realization, but also can help the enterprise to save the limited resources.

### Construction and Development of Project Implementation and Maintenance of Information

In the project implementation stage, the enterprise must strictly request and monitor suppliers to carry on the implementation system according to the implementation plan. Must pay attention to the raise technical personnel and the attendant in the enterprise, gradually establish a good development and maintenance team, laying the foundation for the informatization system in enterprise's true use. In addition, companies should always pay attention to the emergence of new information technologies, develop in-house information application developed based on the new management and business requirements, in order to keep enterprise information construction and development.

### Summary

The coordination management means cooperative engagement, which arranges and combines the partial strength reasonably to completes some work and the project, such as cooperative sale. Collaborative management is a management system based on the agile development model, with the object of virtual enterprise .The hypothesized enterprise is a environment system essentially composed with many subsystems. The coordination management is rearranging and reconstructing each small module rallies in this system module. This kind of arrangement can be in the time or in the function or structure .Collaborative management is the internal and necessary requirement for modern management, Information construction solve these problems in the process of realizing in the coordination management advancement in the enterprise. This paper shows that in order to achieve collaborative management, the enterprise must select their own collaborative management mode according to its management, as well as the level of informatization construction, providing a solid basis for enterprise development.

## References

- [1] Madden K G. Information management for the intelligent organization: The art of scanning the environment [J]. *Journal of the American Society for Information Science*, 1996, 47(10):795–796A.
- [2] Whittaker S, Sidner C. Email Overload: Exploring Personal Information Management of Email.[C]// *Sigchi Conference on Human Factors in Computing Systems*. 1996:276-283.
- [3] Anand V. An Organizational Memory Approach to Information Management [J]. *Academy of Management Review*, 1998, 23(4):796-809.
- [4] Franklin M, Halevy A, Maier D. From databases to dataspace: a new abstraction for information management [J]. *Acm Sigmod Record*, 2005, 34(4):27-33.
- [5] Yalagandula P, Dahlin M. A scalable distributed information management system [J]. *Acm Sigcomm Computer Communication Review*, 2004, 34(4):379-390.
- [6] Qian X. Opportunities in information management and assurance [J]. *Acm Sigmod Record*, 1997, 26(1):82-84.
- [7] Lansdale M W. The psychology of personal information management [J]. *Applied Ergonomics*, 1988, 19(1):55-66.
- [8] Heimbigner D, Mcleod D. A federated architecture for information management [J]. *Acm Transactions on Information Systems*, 1985, 3(3):253-278.
- [9] Hicks B J. Lean information management: Understanding and eliminating waste [J]. *International Journal of Information Management*, 2007, 27(4):233-249.
- [10] Lewis T R, Sappington D E M. Information Management in Incentive Problems. [J]. *Journal of Political Economy*, 1997, 105(4):796-821.
- [11] Buckland M K. Information and Information Systems: New Directions in Information Management [J]. 2012, 340(187):401-408.
- [12] Lewis T R, Sappington D E M. Information Management in Incentive Problems. [J]. *Journal of Political Economy*, 1997, 105(4):796-821.