

## Views on Differential Management in Safety Supervision of Construction Engineering

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**Abstract:** Given the advances in science and technology, rapid development of socialist market economy and continuous advance of urbanization, it is necessary to enlarge the scale of engineering construction. As the form of engineering structure becomes more complex, large-scale and high-level projects with deep foundation have appeared in engineering construction. For construction engineering, one of its technologies includes solving the difficulties in construction. It is required to deal with the safety risk of construction in time to guarantee safety construction, timely solve the management difficulties and contradictory problems of the project and ensure both the safety of engineering construction and the rationalization of the institution setting of the safety supervision on the project.

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### 0 Introduction

The large-scale engineering construction needs to reasonably solve the contradictory problems between the supervision and the management of engineering. Aiming at the problem of safety production brought by the complicated structure and advanced production, we should improve the safety management level of the enterprise, solve the contradictory problems of safety production in time and guarantee diversified management in the project investment. It is also necessary to effectively improve the safety management and control of engineering construction in its safety production and guarantee the reasonable distribution of engineering construction projects. Besides, it should also realize the proper scheduling according to the situation of engineering construction and reasonably carry out the safety supervision and management of the engineering. It should also ensure the construction level of management and weak links and gradually reduce the differential management

effect of the safety supervision on the project. Lastly, the steady enhancement of the safety management level of the enterprise's safety production should also be promoted.

### 1 Safety problems in the supervision of construction engineering

**1.1** In engineering safety supervision and management, we should deepen the construction of differential management system, reduce the differentiation, improve the safety of engineering construction according to the qualification and integrity degree of its participants on the basis of fully combining the dynamic information of current construction safety,. Meanwhile, it is also necessary to solve the problems of type differentiation of construction engineering projects according to construction side's performance on the fulfillment of their safety responsibility.

**1.2** To solve the problems of type differentiation of engineering, we should improve the construction of large-span and high-level projects with complex structure. Besides, deep foundation and numerous equipment with effective management of site operation are also necessary. Other than that, we should timely supervise and manage the engineering and its weak links and promote the safety management of engineering construction. Further, the development mode of construction, the differential management of project safety supervision, the construction of differential management system, and the safety of engineering construction should be continuously monitored and improved.

### 2 Differential management mode of construction enterprises

**2.1** The construction enterprise is the project producer and the responsibility subject of safety production. The security of engineering project is directly related to the safety behavior of its construction enterprise. It is necessary to reasonably ensure the safety supervisory organization to properly supervise the safety of the project, standardize the safety behavior of construction enterprise and guarantee the smooth construction of the project.

The safety responsibility of the construction enterprise is the most key link. We need to solve the difficult problems in time and ensure the differential management of project safety supervision. Furthermore proper differential management measures should be taken and the safety of construction enterprise in construction should be guaranteed. Apart from these, the degree of performance, the safety management of construction project, the situation analysis of physical security and the efficiency of enterprise management based on its daily management measures should also be monitored and guaranteed.

**2.2** The implementation of safety management measures of construction enterprise causes the problem of different construction abilities. We should fully use the enterprise's supervision function to promote the smooth conduct of supervision work and guarantee the quality and safety of construction engineering and the security of the supervision and management of the enterprise. Besides we should carry out the quality and safety supervision of the enterprise. It is also necessary to adjust the safety supervision and management measures of the enterprise and guarantee the safety supervision effect of the project. We should formulate perfect enterprise management measures and guarantee the safety evaluation management of the enterprise. As well, we should optimize the safety evaluation of the enterprise's construction viscosity and well conduct administrative punishment and safety accident statistics according to the enterprise's safety management situation of the whole year. In addition, we need to timely consider the dynamic characteristics of the safety of construction engineering in the development of the enterprise, strengthen the effect of differential management, promote the enthusiasm of the enterprise for safety, establish perfect supervision mechanism for enterprise management, improve the rational management of the enterprise, shorten the dynamic management of safety production in time, ensure the safety of enterprise management, optimize the management and allocation of the supervision power, and fulfill the safety responsibility of the enterprise.

### **3 Differential management measures in the safety supervision on construction engineering**

**3.1** To have a good enterprise safety management and supervision, the first thing we should do is to

well conduct the construction management inspection of the enterprise. We also need to reduce the amount of inspections in construction, let the enterprise conduct self-examination, self-correction and self-management. Besides, we should properly reduce the safety supervision and management in construction, arouse the enthusiasm of the enterprise for self-management and self-management initiative. Moreover, the safety responsibility subject status of the enterprise should be noted. Its administrative punishment intensity, legal institutional constraint in the process of construction, enforceable laws and regulations should be written and implemented to restrain the construction work of the enterprise, thus improving its safety supervision work.

**3.2** In the process of construction management, the enterprise should ensure its efficiency of supervision and management, actively promote the benign development mode, formulate perfect supervision and management plan based on the project, improve the safety supervision, spot check, inspection and management of the high-end projects, reduce the illegal behavior in construction, guarantee the coercive power to conduct construction, and enhance its supervision and management level. In the process of the safety supervision on the project, the enterprise is required to ensure the improvement of its management mode and enlarge the management mode of construction system and tracking system. Apart from these, perfect professional knowledge training should be actively carried out as well as its safety production. Additionally, it should also to strengthen the mutual exchanges and cooperation with other enterprises, guarantee the smooth implementation of management and optimize the new mode of safety management.

**3.3** As for the differential management of the project, it is important for the enterprise to carry out the inspection and control of security risks, establish perfect management mechanism, supervise and inspect the major dangerous problems of construction projects, ensure the smooth implementation of project safety management, optimize the safety supervision and management mode of the project, reduce the potential problems of the project, and ensure the safety of engineering construction. Furthermore, it is also necessary to continuously improve the safety production mode of the enterprise, timely adjust the excavation work, enhance the supervision and management of mechanical operation level, and guarantee the efficient management

mode of the enterprise. Under normal circumstances, the enterprise needs to continuously promote the safety production mode, improve the normalization of its safety production supervision and inspection, confirm its construction subject status, and ensure its responsibility of project safety supervision and management.

**3.4** In the safety supervision and management of hazardous project construction, we should improve the handling of the dangerous source and guarantee the smooth implementation of safety construction as well as promote the procedure for examination and approval. The safety construction plan of the enterprise according to certain stipulation, the implementation of safety construction plan and professional adjustment work of the enterprise should be improved. While, for safety construction of the enterprise, it is advised to adjust the rationality of the construction management of the technicians, optimize the safety construction effect of the enterprise, timely approve the construction process of the enterprise and promote the technical management of safety construction as well as supervision and management mode.

#### **4 Conclusion**

In summary, in the project safety supervision and management, we need to fully understand the differential management mode of the enterprise in construction, timely alleviate the contradiction between the large-scale engineering construction and limited strength of supervision and management. Besides, enterprise should conduct reasonable and active construction to reduce the differential problems and optimize the proper service management mode in the process of construction management In

addition, the service system construction of differential management should be reduced while supervision and service mode should be optimized. It should also take note that differential management mode of enterprise safety supervision and management and the rationality of the management system should be improved. Lastly, the rationalized management mode within the enterprise should be timely coordinated.

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