Study on Convenient Electromagnetic Radiation Measuring Instrument and Realization of Frequency Measurement Method

Bailing Nie*, Lirong Tan, Yudong Liu
Nanjing Vocational College of Information Technology, Nanjing, Jiangsu, 210023, China

*a niebl@njcit.cn
*corresponding author

Keywords: Portable Electromagnetic Radiation Measuring Instrument, Frequency Measurement, Research Method.

Abstract: This paper mainly revolves around the portable electromagnetic radiation measurement device, which can process signal sensors, filter gain circuits, MAX152 and micro-controllers, and display the results of LCD screen, with alarm warning beyond the limit value, small volume, easy to carry and easy to measure. measuring the electromagnetic radiation of the communication base station, indicating that the device can display the value quickly and accurately, and plays an important role in the evaluation of the electromagnetic environment.

1. Foreword

The rapid development of the network brings new hope to the enterprise processing, and promotes the improvement of the processing level and quality of the enterprise. In the construction of enterprises, the significance of putting into network technology processing lies in strengthening the close connection between various departments of enterprises, at the same time, it can guarantee the information exchange and transmission of each link, and it can also strengthen many business contacts and exchanges, so as to speed up the process of enterprise network informationization and improve the processing level of enterprise modernization. With the increasing popularity of computer applications and the continuous development and improvement of information management technology, computers play an important role in the field of information management, especially in the field of enterprise measurement management. In order to follow the new situation and trend, in order to ensure the quality of the project (product), measurement management as an important technical basis, must be based on the original step forward[1]. In this case, we have introduced a convenient electromagnetic radiation measuring instrument, which is popularized and applied in the range of frequency measurement. At present, in the electromagnetic system built in our country, it can be seen that the electromagnetic equipment system is generally a professional system, mainly including the professional mode to complete a series of electromagnetic equipment power supply system maintenance services. Because of the rapid development of the city electromagnetic system in our country, it can be seen that the variety and quantity of electromagnetic electromagnetic equipment are also more and more, because this phenomenon also leads to the increase of the maintenance quantity of electromagnetic electromechanical, so it can realize the informationization of maintenance management.

2. Current Status of Maintenance and Management of Electromagnetic Equipment

At present, the maintenance and management of high-tech equipment in our country is still relatively backward, and the degree of informatization is also relatively low. Because our country in the electromagnetic equipment maintenance management mainly uses or the manual maintenance form still can not realize the information automatic maintenance, the manual maintenance mainly must carry on the corresponding paper registration first, after the registration, by the specialized system recorder personnel to carry on the tracking maintenance. But this method because the paper
form of registration is not easy to be preserved, extremely easy to be destroyed, in case of being lost without a backup is very difficult to be recovered, so this form is destined to be eliminated. Because the integrated monitoring system is generally set up in the electromagnetic and electromagnetic equipment of our country to adopt an integrated function to the electromechanical system, the complete information of the electromechanical system has been collected in our country at present, and they can be used to dispatch and run the centralized system linkage[2]. Therefore, for the maintenance of the electromechanical system, it is possible to make full use of the resources of the integrated monitoring system to carry out a corresponding maintenance management, which also provides a strong guarantee for the realization of automatic informationization of the maintenance management of the electromechanical system.

3. Information Integrated Maintenance and Management System

For the maintenance of electromagnetic and electromagnetic equipment in China, the main purpose of the information maintenance management system is to make the maintenance management system more powerful. During the maintenance process, the electromagnetic and electromagnetic equipment can be effectively monitored online, and the maintenance personnel can make the corresponding maintenance plan.

3.1. Achieve Comprehensive Management of Electromagnetic Equipment

The asset processing system for electromagnetic and electromagnetic equipment is established through the relevant asset information collected through an effective integrated monitoring system platform, which includes several steps, such as equipment location, maintenance personnel, maintenance orders and maintenance statistics. In accordance with the establishment of fault-related mechanism system structure to record a series of equipment problems. By combining the equipment and the system, the potential risk failure can be analyzed, and the possible impact of the related system can be judged, which is helpful to the establishment of the electromagnetic equipment asset management and maintenance mechanism, thus reducing unnecessary secondary maintenance and maintenance, which greatly improves the life of electromagnetic equipment and increases the utilization rate.

3.2. Improved Workflow Management Achieved

On the basis of the informationization of electromagnetic equipment assets, it is necessary to realize the perfect workflow management first, only with the complete workflow can complete the maintenance work of electromagnetic equipment in an orderly and efficient manner. How to do this, we can draw up the corresponding electromagnetic equipment maintenance plan first, then carry on the electromechanical resources related deployment, increase the strength of the maintenance work, at the same time, the material management, safety management, contract and report forms and other maintenance work process required steps to achieve a standard flow, and on this basis, can fully realize the overall unified resources maintenance scheduling management.[3] In this way, it can greatly improve the situation in maintenance work, unreasonable deployment, inadequate
supervision, incomplete information and insufficient efficiency. In the process of information maintenance, the most effective method is to support centralized scheduling and on-site scheduling. According to these two scheduling modes, centralized scheduling arrangement of staff, monitoring and tracking of job progress and processes. According to the original plan mode, through the reasonable assignment mode, to distribute the work order to the staff and follow up the related work situation in time, can greatly improve the overall level of maintenance management, and can coordinate the development efforts.

3.3. Maintenance Management System Information Flow

In the aspect of maintenance management system information flow, by adopting the system and mode of integrated maintenance management, the information resources of integrated monitoring system can be fully utilized, thus the efficiency of maintenance management of electromechanical system can be improved, and the maintenance equipment, operation equipment and data equipment can be organically integrated. Then according to the combination of comprehensive maintenance system, we can establish a standardized maintenance process, thus constitute a complete and reasonable data allocation, and then improve the maintenance related data, provide scientific and effective solutions, can improve the speed of maintenance, save the cost of maintenance, and provide a strong guarantee for electromagnetic electromechanical transportation.

4. Measures Based on Realization of Frequency Measurement Method

4.1. Promoting Practice and Training of Talented People

The enterprise is the actual operator of the shared economy model, occupies the main position in the shared economy market, undertakes the responsibility of carrying out and developing the frequency measurement. The information management of enterprises is already a necessary trend of development. Enterprises should vigorously support and increase the reform and innovation of large data information, with the greatest support power to promote the smooth development of the sharing economy because it is not easy to be based on the market economy under the conditions of the sharing economy. Therefore, we must pay enough attention to the cultivation of high-tech talents, and we must not slacken the slightest. Enterprises should pay attention to strengthening the training work and ideological education of their employees, and cultivate high-quality and high-level technical talents for enterprises.
4.2. Promoting Technology Integration and Introducing Information Technology

Now the rapid development of the Internet provides us with a convenient and rapid information age. All kinds of network technology have penetrated into our life, because the business in the enterprise is numerous, if can add the network information technology in the financial internal control aspect, then the staff work efficiency will also improve accordingly. Join advanced network information finance internal control system, relevant department must increase the infrastructure of network facility. Enterprise employees should have a certain basic knowledge of computer, but not all have information technology knowledge, so, enterprises should train the relevant employees in computer skills, so as to improve the office efficiency of employees. Enterprises should also build and develop the information platform of enterprise financial internal control, improve the efficiency of data transmission, achieve the timeliness of data, and avoid the trouble caused by data delay.

4.3. Promoting Standardized Development and Strengthening Publicity

Because the role of government for the overall economic development is very great. Therefore, by the government to promote the sharing economy to make rational and effective use of society can play a catalytic role, can effectively accelerate the pace of economic transformation, if the sharing economy can develop better, the relevant government departments must attract enough attention. and strong financial and technical support in due course. Most importantly, the government should do a good job of promoting the development of the data economy, through the government's practical actions to enable all industries to encourage support for the development of the sharing economy[4]. Publicity is one of the important measures to promote the development of large data and block chain model standardization. In this way, it can not only help the industry personnel to establish the effective cognition of standardized and standardized information data, but also promote the enterprises to stand firm under the market economy. In order to achieve the development and progress of information technology to contribute their own strength. It is also possible to make enterprises aware of their shortcomings and needs to be improved through propaganda work, so as to improve the economic efficiency of enterprises. In this way, it is not only conducive to standardizing the formation of economic markets, but also conducive to the future economic development of our country to a higher level of continuous progress and development.

5. Conclusion

According to the current electromagnetic equipment maintenance and management system development and current situation, the prospects are very considerable. At present, China has developed rapidly in the field of electromagnetic construction, and has invested a lot of funds and technology, introduced many advanced equipment and instruments, greatly improved the production efficiency of electromagnetic engineering, and promoted the development of electromagnetic transportation industry in China. Although the development of electromagnetic industry in China is very rapid, there are also many problems and deficiencies, which need to be
dealt with in time by relevant departments. Only timely and effective maintenance and management can make electromagnetic transportation develop better.

Acknowledgements

The Fifth Phase of "333 Project" in Jiangsu Province in 2017(BRA2017343), Construction Project of Brand Major in Jiangsu Universities(PPZY2015C242)

References


