Legal Regulation of Internet Finance Based on Block-Chain Technology

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Abstract: In the environment of application promotion of Internet and people's consumption level generally improved, Internet finance appears and develops rapidly, which has become a major trend in the development of financial field. With the development and evolution of Internet finance, block-chain finance comes into being. From the current data analysis, block-chain finance of China has developed from the initial LAN to the stage of big data block-chain, which has realized the promotion of Internet finance reform. Generally speaking, the development of Internet finance is beneficial to the economic progress of our country, but the relevant laws of our country are not perfect, so there are still deficiencies in the supervision of the development of Internet finance, which is unfavorable to the stability and security development of Internet finance. Therefore, this paper analyzes and discusses the legal supervision of Internet finance Based on block-chain technology to provide help and guidance for practice.

The rapid development of Internet finance is a major development trend in the financial field of our country. It is of great significance for the stability and security of the development of Internet finance to pay attention to the development of Internet finance and guide it actively. According to the current specific analysis, the construction of legal environment in China lags behind the social progress, that is, there are many problems to be solved without corresponding laws and regulations. So in the practice of legal supervision of Internet development, there are more regulatory loopholes, which seriously affect the stability and security development of Internet finance. In consideration of financial stability, it is necessary to strengthen legal supervision based on the practice of Internet financial development, so it is of great practical significance to discuss and study the content of legal supervision of Internet finance.

1. Block-chain Technology

Internet finance has developed rapidly in China, but the corresponding supervision has lagged, which is unfavorable to the development of Internet finance. The supervision of Internet financial based on block-chain technology is beneficial to the development of Internet finance [1]. However, to build an Internet financial regulatory system based on block-chain technology, a clear understanding of block-chain technology is required. From the perspective of conceptual analysis, the block-chain is a direct translation of the block and the chain. Each block stores transaction data within a specified time, and forms a distributed account that cannot be tampered with and shared by all members through cryptography. It is a database or a processing system used to store data. It records data such as transactions in a database that is also called a ledger. The special feature of the ledger is that everyone can participate in the bookkeeping process. In the accounting process, data can be written or read at any node. As long as the data of any node changes, the data of all nodes on the entire network will be synchronized to ensure that the data of all nodes remains consistent. An analysis of the specific application of the block-chain technology shows that the data on the block-chain is open and transparent and cannot be tampered with, which will have a huge impact on all areas of society. Therefore, China is vigorously developing the block-chain.

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2. Analysis of Loopholes in the Legal Supervision of Internet Finance

A detailed analysis of the current legal supervision of Internet finance will find that there is a large difference between legal supervision and actual needs, that is, financial supervision has loopholes, and the specific performance is as follows.

(1) The incomplete content system of financial law supervision

In order to give full play to the effect of supervision, financial legal supervision needs to improve its own content on the basis of fully understanding the development trend and content of Internet finance, which can provide theoretical guidance and reference for the specific implementation of supervision measures. However, with the rapid development of Internet finance in our country, there is a certain lag in the improvement and revision of financial supervision laws and regulations. Therefore, many problems cannot be dealt with in a timely and effective manner in the practice of supervision. In short, to realize the outstanding value of legal supervision, it is necessary to ensure the consistency between the content of legal supervision and the actual content, but the current content system of legal supervision is not perfect, so the effectiveness of supervision is poor.

(2) The defect in the system

The specific implementation of legal supervision of Internet finance requires institutional guarantees. In this way, the standardization and uniformity of work can be achieved. However, a detailed analysis of current Internet financial supervision reveals that there are significant problems in the system, such as the responsibility system. In terms of specific supervision, there are many regulatory bodies in Internet finance, but the law does not divide the specific responsibilities of the regulatory body in the corresponding regulatory provisions, which leads to dead ends or overlap in the supervision. It is also unfavorable for the specific implementation of supervision. In addition, it has the issue of supervision and implementation system. The supervisory enforcement system plays a role in regulating and restricting the implementation of specific supervisory tasks. Institutional problems can lead to regulatory enforcement errors, so it is necessary to attach importance to the construction of the enforcement system. In short, the defects in the system have a significant impact on the implementation of legal supervision.

(3) The problems in the research and analysis of financial legal supervision and technology utilization

From the perspective of the specific development of Internet finance, we need to strengthen the specific analysis of Internet finance to solve the corresponding problems. So relevant institutions need to collect and analyze information in a timely manner in practice, such as the development trend of Internet finance and problems in the development process, so as to determine the possible problems in the development process of the Internet. The specific use of problem-based solution research technology can provide reference and help for the specific implementation of regulatory work. However, at the stage of the specific work, there is a lag not only in content analysis, but also in technical research, so the implementation of the overall supervision can not meet the practical needs.

3. Countermeasures for Legal Supervision of Internet Finance

From the above analysis, the loopholes of the legal supervision of Internet finance seriously affect the specific implementation of the supervision, so it is of great significance to analyze and discuss the regulatory countermeasures. From the perspective of practical research, the application of block-chain technology plays a positive role in improving the effectiveness of regulatory, so the practical effectiveness of building a regulatory system based on this technology is obvious. The following is the analysis of legal regulatory countermeasures for Internet finance based on block-chain technology.

First of all, we need to improve the specific content of legal supervision of Internet finance, and divide the content into modules. From the perspective of practical analysis, the specific content of Internet financial supervision is relatively diverse, and laws and regulations are targeted. Therefore, in the practice of financial legal supervision, we can make a module analysis of the
development of Internet finance, and then determine the specific legal supervision content based on the needs of module supervision. When we find that the content of legal supervision is imperfect or there is a gap, we should supplement and amend the relevant content actively, so that the regulatory law and regulatory content achieve a fit, and the specific regulatory effectiveness will be significantly increased. Generally speaking, through the realization of module supervision, the division of labor of the whole supervision will be more clear, and the problem of content omission in the supervision process can also be solved well. Therefore, it is necessary to improve the content of legal supervision of Internet finance in the supervision practice.

In addition, we should formulate corresponding systems based on the specific implementation of financial legal supervision to provide references and basis for the effective implementation of supervision. From a practical analysis point of view, regulatory in any field requires a system that matches it. On the one hand, the system can provide assistance for the effective implementation of the work; and on the other hand, the system can escort the standard implementation and quality improvement of the work. Therefore, emphasizing the system construction has outstanding practical significance. As far as the specific implementation of financial legal supervision is concerned, the construction of the responsibility system must be emphasized, because a clear division of responsibilities has a prominent effect on the implementation of supervision. It can avoid the lengthening of the regulatory cycle and the problem of dead ends due to unclear responsibility. Therefore, it is necessary to establish a liability system based on the specific implementation of legal content supervision. Besides, it is also necessary to construct the implementation system, because the implementation system is the standard and unified guarantee for the implementation of work. In short, the comprehensive construction of the system is of great value for improving the efficiency and quality of the work.

Finally, it needs to strengthen the analysis of financial legal supervision content, and emphasize the discussion of technology application in supervision practice. From the perspective of practical analysis, the effective implementation of supervision must clarify the existing problems, and the effective means to understand and discover the problems is the statistics and analysis of data. Therefore, in the practice of financial supervision, the data collection of development and performance problem of Internet finance can be conducted by using the current Internet and other ways. Through the analysis and discussion of comprehensive data, we can more accurately understand the problems that need to be resolved in the development of Internet finance. Specific technology of regulatory issues should be researched on the basis of clear questions, such as block-chain technology, to improve the overall supervision of issues through the improvement of technology. In this way, the actual effect of regulatory will be significantly improved. In a word, it is significant to emphasize content analysis and technology application discussion in the practice of financial legal supervision.

4. Conclusion

To sum up, Internet finance has developed rapidly under the general application of Internet technology. From the current analysis, the rapid development and specialization of Internet finance is due to the continuous improvement of industry maturity and to the overall improvement of Internet financial supervision. It can be said that Internet financial supervision is an important dependence on the stability and security development of Internet finance, so it is of great practical significance to analyze and discuss the legal supervision practice of Internet finance. This paper makes a detailed analysis of block-chain technology, and discusses the specific loopholes in the legal supervision of Internet finance. Based on the loopholes and the concept of block-chain technology, it analyzes and studies the specific measures to make up the loopholes to provide help for the practice of Internet financial supervision.

References

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