

Financial Financing of Sme Supply Chain in Big Data

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Abstract: With the development of our country's economy, the diversified and information-based economic system has changed the mode of product supply from single enterprise supply to joint venture supply, thus closely connecting the components of the product. In the whole supply line, both large and small companies bear the capital risk and product risk of the enterprise, but the large companies have enough capital, strong earning ability, new production equipment characteristics, can drive sales for small companies, but small companies need a lot of money to provide enough raw materials for large enterprises, so as to promote the financial market to produce new ways of cooperation-supply chain economy model and corresponding financial products[1-2]This paper will investigate and study three aspects of the financing of small and medium-sized companies in supply chain financial markets: the significance of supply chain financial markets for the progress of small companies, the difficulties of small companies in supply chain financial markets, and the progress and significance of banks in supply chain financial markets. Supply chain finance is a new method of raising funds for small companies. This paper collates the definition and document of supply chain finance, introduces the current situation and limitation of supply chain finance, and analyzes the development trend of supply chain economy financing under big data.

1. Introduction

Small companies are the backbone of the modern national economy, which can increase jobs, improve people's living standards, make society more stable, promote economic development and provide opportunities for innovation. From beginning to end, the problem of small companies raising funds is the most troublesome problem. Because of the characteristics of small companies, there are few opportunities to receive external funds, mainly on their own funds, but their own funds are very limited, which limits the development of small companies^[3-4]And because of the deterioration of the international environment in recent years and the development of physical stores in our country, the development of small companies is difficult.

2. Supply Chain Finance Definition and Document Analysis

Because to solve this problem, supply chain finance has become the focus of attention. Supply chain finance (SCF) regards all the important companies in the supply chain as a part, takes the important companies as the sustenance, takes the real transaction, chooses the fund-raising method which self-repays, blocks the capital channel or controls the ownership of the product by means of

the loan seizure, seizure of the right of delivery and so on, and provides targeted economic products and services to supply enterprises in the supply chain.

Supply chain finance is to focus on important enterprises, mainly to focus on the financing requirements of small companies around the core enterprises, through the input of system supply chain information, supply chain resources and so on, so that all enterprises in the supply chain can develop and operate together.

China's attention to supply chain finance is relatively late, mainly focusing on two aspects: looking at the financing of this aspect, mainly to participate in the supply chain of the ability to raise funds and provide funds of the ability to control the risk of enterprises. Looking at this aspect of supply chain, its main concern is how to create the most benefit under the cooperation of various enterprises in supply chain finance. Compared with fund-raising, supply chain increases the scope of supply chain finance and constitutes a complete structure of supply chain finance^[5-6]In recent years, the introduction of many new technologies, such as big data, has greatly changed supply chain finance, making supply chain finance more and more systematic, green, high service and strong visibility, etc. It is believed that the full use of the Internet and big data can solve many problems of supply chain finance, such as disproportionate problem, reducing purchase cost and reducing management risk. Some researchers combine regional supply chain skills with ordinary skills to make the supply chain more transparent, more traceable, and more secure.

3. Current Situation and Constraints of Supply Chain Finance

The China Supply Chain Financial Industry Research Report shows that there is a large discrepancy between the credit needs of small enterprises in small companies and the amount of bank loans granted, mainly because of the low credit rating of small companies, which determines that they can not lend as much. Small companies expect that in every project of supply chain finance, every transaction is truly traceable to obtain financial solutions.

Small and medium-sized companies need to solve this problem, and another factor is policy support, which is also a key factor affecting supply chain finance. For a long time, our national policy has been a difficult problem for small companies to raise funds, plus supply chain finance is a good welfare for physical stores, is the main source of funding for the real economy, the government issued guidance in 2018, Regional leaders are fully implementing supply chain finance, our country's supply chain finance continues to progress.

The scope of supply chain financial services in addition to ordinary large products, consumer goods, but also developed logistics, production facilities, industry and agriculture and other fields, compared with the previous, supply chain financial services industry is becoming more and more extensive.

From the business scope of supply chain finance, it includes four kinds: the collection of accounts to be collected, the collection of funds to be deposited, the collection of funds in advance and the collection of related funds. For different supply chain financing links, it faces different risks. The collection of accounts to be collected is now the most important business of supply chain finance. Although important companies have been introduced, to some extent, the creditworthiness of small companies has been reduced, but there are still some control reasons for managing risk. The biggest problem is the shortage of funds, first, because our country's economy is declining, especially the serious decline in physical stores, financial “deleveraging” and compulsory supervision and management exist together, physical store capital shortage, There is also a high-credit companies to its risk control is not enough, too high costs will cause companies to raise funds.

4. New Advances in Supply Chain Finance for Small Companies under Big Data

4.1 Closer Supply Chain Relationship

According to the 2018 supply chain finance research report, there are six aspects in the supply chain finance project: small company needs, important company, platform side, technology enabling party, investor side and basic equipment side. Green ecology has begun to integrate, and has formed a relatively complete supply chain finance ecology.

The platform from “1+N” of supply chain finance 1.0 to “N+N”1+N” of supply chain finance 3.0, driven by new technologies such as big data, has strong relevance and interdependence among enterprises in each supply chain. Several aspects form a value network together. Small companies are evaluated in supply chain finance, which can significantly increase the capital strength and order volume of small companies.

4.2 More Symmetrical Supply Chain Information

The combination of big data and supply chain finance makes supply chain finance rely on data in management information and use. In addition, the use of robots, the Internet, regional chains and other technologies, can further search, save, dissect and use data, to a large extent improve the ability of economic access, service and risk control. Each enterprise in the supply chain uses the same platform to be linked so that information can flow fully. Small companies rely on real trading information, can make assets high activity, improve credit, and can solve the problem of capital shortage, so that enterprises develop steadily.

4.3 Increased Control of Supply Chain Risks

The full flow of information is a condition for controlling risk. By using the surveillance video of data exchange and exchange, the platform can fully understand the development of small companies, which can be used as a basis for assessing their creditworthiness, control their cash flow, goods flow and information exchange, complete the risk control steps under the premise of real transaction, and ensure the safe operation of the whole supply chain finance^[7]By reducing risk and making the process simple, investors can reduce the capital cost of small companies and form a virtuous circle.

5. Conclusion

With the help of new technology, supply chain finance shows the situation of fully combining with Internet technology, which makes the financial economy progress day by day, which is very beneficial to the development of small companies and promotes their steady progress. In October 2019, the state issued a policy to promote large enterprises to develop supply chain finance, to help large companies provide financial services to small companies, and to further solve the problem of financial difficulties for small companies.

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