A Study on Coordinating Mechanism of Regional Logistics System

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Abstract The paper uses the related theories of regional economic coordinating development and builds the concept of the regional logistics mechanism. On the basis of these studies, the paper establishes the coordinating mechanisms of the Regional Logistics System including dynamic mechanisms, the main contents and the operational mechanisms. And it also resolves all problems of the Regional Logistics System and gives some advices about the guidance mechanism, incentive mechanism and mutual consultation mechanism to the government in practice.

Key Words RLS, coordinating mechanism, dynamic mechanism, operational mechanism

1 Introduction

It is the most important theoretical and practical issues of the central region in China to optimize central regional logistics network system, to establish the central regional logistics capability advantage, to adapt to transferring the international industries, to promote the economic development of the central region.

Currently, the countries which are developed in logistics industry study mainly from the two levels of regional logistics: First, from the microscopic point of view, from the logistics associated with the enterprise level, from the perspective of multinational companies they researched on the logistics infrastructure, cooperation program coordination, strategic distribution system and logistics supply chain operations and other issues; second, from more macro level, others researched on the role of the government, logistics coordination and sustainable development.

Domestic regional logistics research is on the basis of the introduction of foreign logistics guidance and the experience of the development process. By domestic impact of the planned economy, the macro level and the regional level logistics study are attached more importance. But it is also affected by the planned economic system, the industry and department division affect the regional logistics research perspective, and then the road, rail, air, water and ocean transport are more concerned.

The current researches are lack of major Regional Logistics System concept system, the logistics regional economic mechanism of evolution, the coordination on regional logistics operation and the quantitative analysis between the regional logistics and regional economic.

2 The Connotation of the Coordination Mechanism of Regional Logistics System

2.1 The Connotation of the Coordinating Development of Regional Economy

The coordinating development of regional economic can be defined as: a state and process in which, all regions open to each other, make the increasingly close economic exchanges, and get the reasonable regional division of labor; all regions maintain the overall efficiency of economic growth, control the regional economic development gap in a reasonable and modest scope; and gradually promote the regional economic development to the positive and healthy interaction.

This definition defined the coordinating development of regional economy as the "state" and "process." In the view of "state", the coordinating development of regional economy is embodied as follows: all regions open up, make economic exchanges, get the reasonable regional division of labor and efficient overall economic growth, and keep the regional economic development gap between the reasonable ranges. In the view of "process", the coordinating development of regional economy is
reflected in: the increasingly close economic exchanges, the trend of reasonable regional division of labor, and gradually the narrow gap of regional economic development. The "process" reflects the degree of coordination. The objective of coordinating development is to achieve “a positive promotion and benign interaction of regional economic development."

2.2 The Connotation of the Coordination Mechanism of Regional Logistics System

The coordination mechanism of Regional Logistics System is the inherent internal process and mechanism of the coordinated development of Regional Logistics System and the development process, methods and rules to affect the structure and function of the regional logistics subsystem for the goal of a reasonable trend of regional logistics division and the reduce of the development gap. This coordination mechanism are implemented through the rational and efficient settlement of why, what and how to coordinate the development of Regional Logistics System.

To realize the target of the coordinating development of RLS, first of all, we must understand the dynamic mechanism of the coordinating development of Regional Logistics System, which is about the reason of establishment of Regional Logistics System and promotion of the coordinating development of regional logistics and the solution to the problem of coordinating development; Secondly, all of the subsystems discuss the fundamental purpose and content of the coordinating development of Regional Logistics System; thirdly, around the content of the coordinating development, we should construct the operating mechanism to regulate and restrain the members of the League through various methods (such as laws, policies and agreements, etc.), improve the governmental mechanism, market mechanisms and the social mechanisms, and resolve the problem of how to coordinate the Regional Logistics System.

3 The Construction of Coordinating Mechanism of Regional Logistics Mechanism

In view of above analysis, we will discuss dynamic mechanisms, the main contents and the operational mechanisms of Regional Logistics System.

![Figure 1 the Construction of Coordinating Mechanism of Regional Logistics Mechanism](image)

3.1 The Dynamic Mechanism

The reason of the Regional Logistics System coordinated development is the market regulation mechanism and the microstructure mechanism. And these two mechanisms are reflected respectively from the deepening Regional Logistics System interface, making the regional division of the logistics system to rationalize, narrowing the regional development gap in the different logistics systems and upgrading the efficiency of the Regional Logistics System.

3.1.1 The Marketing Mechanism

The use of market in coordinating the Regional Logistics System is relying on market mechanisms to achieve the allocation of resources and combinations. The price signals reflect the relationship between supply and demand; the price mechanism activates the mechanism of competition, the competition relationship forms resource allocation process, which in turn regulates the supply and demand relationship, and then as a result, the resources are rational allocated and makes the impact on
the coordinating development of Regional Logistics System.

3.1.2 The Microstructure Mechanism

In the Regional Logistics System, the prerequisite for an effective market mechanism is that the regional logistics enterprises must become the main logistics activities. In the process of Chinese market transition, the regional resource allocation methods gradually change from the government quota transactions to the corporate and the market transactions, and the business expansion activities are also more frequent, and also play an increasingly important role in the promotion of regional coordination development. Moreover, the fairness and efficiency will be united through cross-regional expansion of logistics enterprises.

3.2 The Main Contents of the coordinating Mechanism of RLS

On the basis of ideological system, in the Regional Logistics System development process, the following should be the main coordination contents:

3.2.1 The Goal of Subsystems and the Overall System

The coordinating development planning of RLS is an organic and overall development plan with tight structure and system. Therefore, the overall coordinating development should have a tight system, at the same time; all localities should set up Regional Logistics System with the coordination of the overall development objectives. Only in this way, the coordinating development of RLS can achieve the goal. Otherwise, the overall objective can not only be achieved, but also the subsystem goals.

3.2.2 The Relationship of the Regional Government

Since the 1990s, the regional government cooperation has become the common trend of administrative reform. The horizontal cooperation among regional governments could promote the RLS and be the main way and model to achieve the coordinating development of Regional Logistics System. The key of this model lies in whether to ensure all parties to the smooth flow of information and to achieve the interests through scientific cooperation arrangements, that is, to build a scientific organization system, fair distribution of benefits and the perfect mechanism of legal protection.

3.2.3 The Coordinating of Logistics Infrastructure among RLSs

Any economic activities can not be confined within their own respective administrative areas, it is bound to relate with the surrounding regions and even the international market closely. Therefore, all regional governments should conduct joint development of the logistics strategic planning, concern the status of the region in the whole national market particularly in the position of regional enterprises in the perspective of the supply chain Logistics; the regional economic scope and capacity of radiation; the convergence and contact with the neighboring provinces and cities. The major regional logistics planning should also consider the need of participation in international economic cycle.

3.3 The Operational Mechanism

3.3.1 The Regional Organization Mechanism

In the development of the Regional Logistics System, we should consider how to implement various elements of logistics and logistics infrastructure and how to optimize the allocation of all kinds of logistics activities, and then overcome the distance constraints of logistics activities, reduce costs and improve efficiency. In addition, any region must inevitably associate with other regions; therefore, except the spatial structure of the region, the development of Regional Logistics System also depends on the relevant interact among different regions. In this perspective, the development and planning of RLS is the process of the construction of the regional organization and regional logistics organizations. And the reasonable development of Regional Logistics System could achieve the win-win situation of the "efficiency" and "fair", and promote RLS to coordinating development.

3.3.2 The Governmental Mechanism

Although the government is not the main market, and can not overstep the authority of the market, the government can coordinate legally the different regional rules and promote the regional economic and logistics cooperation between the systems. Intergovernmental coordination mechanisms of the legal system are two types: the one is the institutionalized coordinating mechanism, which is through the local governmental discussion of the conclusion of collective agreements, a joint organization is established
to carry out regional cooperation mechanism legally, and that is a deep-seated close cooperative among regional governments, but in less-developed market economy such as China, it is not yet reasonable; another one is the non-institutionalized coordinating mechanism which is to set up a loose organization form through the regional government collective consultations. Because in the stage of Chinese current regional cooperation in the logistics system, the deep-level cooperative organization among the regional governments does not exist as a strict sense, the flexible executive contract comes up, and the implementation of its responsibility will be taken on by the executive authorities.

4. Conclusion

On the basis of the related theories of regional economic coordinating development, the paper has established the concept of the coordinating mechanism of the Regional Logistics System, has built up the dynamic mechanism, the main content and operating mechanism of the coordinating development of Regional Logistics System, and has formed a complete the coordinating mechanism framework of RLS basically, and just has completed a very small portion of the regional logistics mechanism system - the coordinating mechanisms. And the future research work will also be in the accordance with this direction to carry on and improve step by step, based on the mechanism of RLS, we will make clear about formation mechanism (including environmental-induced mechanism, the market competition mechanism and interests mechanism), the stabilization mechanism and the development of mechanisms of Regional Logistics System, and recognize the whole mechanism system how to achieve the functions of Regional Logistics System and objectives; Finally, we hope to become familiar with all kinds of analysis software, statistical tools and models, use the simulation technique and other research methods, and then research the quantitative analysis relations between the regional logistics and regional economic, even if it is very difficult.

References