

Thesis Title	Development of Coastal Shipping in the Gulf of Thailand by Delphi Technique
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Abstract

Coastal service is an effective and efficient transport mode for Thai trade. Considering domestic coastal freight volume, the country leverages coastal service very little as compare with other modes of transport. Besides, the state government has launched modal shift policy to promote water transport and coastal shipping. Therefore, coastal service development has become important to Thai logistics management. This research aims to study the status, role and importance of coastal service for domestic trade. The research also intends to study the factors effecting coastal service development. Additionally, the project tries to propose a future coastal service model for the year 2019. Using the Delphi technique and the well-structured questionnaires, the data from 15 experts are collected. The factors effecting the development are found. Such factors are coastal ports, routes, vessels, commodities, government policies/ measures/ law and regulations, private entrepreneurs and environment.

The model includes coastal ports in 7 areas, which are Bangkok, Samutprakan, Chonburi (Laemchabang), Rayong (Map Taput), Prachuapkirikhan, Suratthani and Songkhla. Coastal vessels would account for expected 53.11 million tons of coastal freight volume in 9 routes (rising 20.00% from 44.26 million tons in 2012). The volume comprises of petroleum product, miscellaneous product, chemical product, metal product, rice, maize and other agricultural products. Moreover, the research has proposed type and size of coastal vessel, service form and frequency per week for dry product in each service route.

Keywords: Coastal Shipping / Delphi Technique / The Gulf of Thailand