

The Development of Demand Responsive Transport Services in Taiwan

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Abstract

Many people living in rural areas in Taiwan are restricted to access to the public transportation systems due to the insufficient transportation infrastructure services. For instance, most public transportation services are concentrated in central business districts (CBD) of the cities and they are usually fixed route services. In this case, the public transportation systems are inconvenient for elderly or impaired persons living in rural areas to utilize. Since the elderly population in Taiwan is estimated to be 2 million and approximately 9% of the population in 2018, it is necessary to develop and provide a flexible and cost-effective public transportation service to people living in rural areas. This study aims to establish a framework of demand responsive transport services (DRTS) in rural areas. According to the framework, some suggestions are recommended.

Keyword : Rural Area; Public Transportation Systems; Fixed Route Service; Demand Responsive Transportation Service; Framework.