

## Chapter 3

# Relief Supply Chain Planning: Insights from Thailand

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### ABSTRACT

*The purpose of this chapter is to provide a framework for the development of relief supply chain systems. An illustrative case study is presented in order to help relief supply chain decision makers in their relief supply chain planning process. Developing simulation models to test proposed relief supply chain response plans is much less risky than actually waiting for another disaster to happen and test the proposed relief supply chain model in a real life situation. The simulated outcome can then be used to refine the developed relief supply chain response model.*

### INTRODUCTION

The purpose of this chapter is to provide a framework for the development of relief supply chain response model. The proposition of a framework is in itself not sufficient and an illustrative case study is presented in order to help relief supply chain decision makers in their relief supply chain planning process. Emergency or relief supply chain plans and response frameworks have been developed by numerous agencies and governments around the world. However, many of these seem

to be purely theoretical and relatively ineffective in their initial response or subject to unforeseen constraints. It is therefore important to develop and provide a relief supply chain planning framework that key related stakeholders can adhere to.

The proposed planning framework provides a supply chain perspective on relief operations with a focus on responsiveness. Responsiveness is a key issue for relief supply chain as aid has to arrive as quickly as possible, in the right place, in the right condition to help disaster victims. In order to illustrate the propose relief supply chain

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