Creating a Fool Proof Supply Chain

Pallikkara Viswanathan

Faculty: N.C. Branch IIMM Bangalore

ABSTRACT

Indian logistic companies are constantly formulating strategies to stay ahead and take up the market by becoming a market leader, and be ahead of the competition. The industry wants to move ahead of the century to make available the best resources to the customers, and to have a secure delivery of goods and services, at the right time, right place or location This is in turn will lead to high level of customer satisfaction, and ensure that the above procedure fall in place there is a need to establish safe and efficient supply chain management.

Role of Information technology: Information technology can play a crucial role in ensuring the safety of company supply chain management, with proper application, both in terms of hardware and software, with correct identification, and build a secure supply chain in logistic sector. Warehouse and transportation, container management, play a relevant role bringing Information technology, in curtailing delays, spillage, breakdown, pilferage, of shipment, and can thus integrate the entire operation of the organization, and provide viability through real-time information, and thus bring in safe and secure operation in supply chain.

Supply chain can be extensively used to monitor, ensure due diligence, to bring an action plan, just before the need, to streamline supply chain operations, technology, as technology alone cannot create a fool proof in supply chain.

Supply chain has to identify, the right target to identify ideal suppliers, need better attention to simplify, the real findings, ensure proper audit action, management participation process, build capacity, build proper tools, create a sustainable, effective, resilient supply chain technology.

Key Word: Information technology, Warehouse, Transportation, Due Diligence, Sustainable

INTRODUCTION

Bringing awareness in the context of penetration of information technology, with regard to safety, in supply chain is minimal, however the information technology, has the potential to track the safety security and health, which can be incorporated into the information technology solution. It may be recalled that Information technology are being leveraged by companies to implement safety in supply chain operation, for creating a fool proof supply chain activities. Most of the petroleum companies have installed Global Positioning System for the transporters which ply during the night time, thus creating a timely check on the speed, and creating a fool proof system of supply chain.

The flow of goods and services from receipt of materials, to the end user needs to be uninterrupted and cohesive, but it is highly fragmented in a vast country where the distribution system has not

been maintained on proper flow, and this has hindered the major chunk of investment, causing the overall cost of logistic operations at a much higher cost, as thus the transportation cost is considered to be high, and this has made the logistic service to be handled by the unorganized sector thus creating a fool proof in supply chain.

Supply chain risk management is considered to be a very important factor management, in order to sustain competition in supply chain, making use of proper information management, information system, as suppliers can automatically enable the risks, based on the operations, production, and data creating a fool proof in supply chain.

Supply can adopt a system of audit for responsible sourcing in supply chain, thus plan for a crucial role, in creating a scheduling, conducting proper audits in house, managing suppliers in management as a fool proof in supply chain.

PURPOSE/OBJECTIVE

Warehouse management systems, transport management systems, have been using information technology, based software for tracking tracing with ERP systems, since warehouse management system basically deals with all the systems that are bound to happen inside warehouses, and also have the connectivity with vendors, but there is no clear perceptive where the warehouse management system creates a fool proof system of supply chain.

In the Transport management system which is designed to meet the demands of the logistic industry, and systematically manage and cut down the transportation costs. There are information technology system based on software solutions, applied in transport of logistic industry, to trace and track and trace the movement of vehicles, through Radio Frequency identification to monitor and locate the visibility of the position of the goods, by using bar codes on the product, which thus creates a fool proof system in supply chain.

Supply chain management should maximize customer satisfaction, try to boost profitability, as it may look complicated, requires collaboration, with organization beyond supply chain, with several process from planning, controlling, organizational procurement, of raw materials required for production, finished goods distribution, from warehouses, stores, to customer, consumer effectively, efficiently, with a fool proof in supply chain, as it is clearly understood that storing, distribution is a process in supply chain, is so different, that supply chain, can be complied in terms so that the organization customer should be familiar with the supply chain.

SHORT ANALYSIS

A flexible supply chain is of utmost importance in any business. If it is rigid it is bound to have problems and to adapt too much needed flexibility of the supply chain companies develop, and implement a formal logistic strategy. As supply chain are constantly changing and evolving these days, the companies develop a number of logistic strategies for specific customers to keep abreast of changes.

Risk management is one of the key factors that companies need to quickly manage in order to sustain competition, by automating the risk management process supplier self-assessment, and code of conduct surveys, since manual administration can be reduced, supply chain information management system, supplier can automatically screen risks, based on the type of operation products, audits, and existing data, thus creating a fool proof supply chain.

Auditing process: simplify the system with best tool for responsibility, for professionals, and technology plays a crucial role by scheduling, and conducting audits, thus managing third parties creating a pool proof in supply chain.

Block Chain in supply provides an analysis for a fool proof in supply chain, bringing in together, directly a trusted relationship through transparency, as it provides tamper proof, evidence, in supply chain. Block Chain stores transaction, introduces exchanges of data network, thus reducing third party intermediaries', of the data, that incurs in supply chain. Data cannot be removed, establish different party, so as to add value, real-time assuring any data in Block Chain to be eliminated, without any complexity, having costly data reconciliation in the system in supply chain.

FINDINGS/RESULTS

Good sourcing can ensure which is sustainable for production by using good software thus creating aware of supply chain, and establishing collaboration with good standards and build up a good capacity thus creating a good fool proof in supply chain.

Creating a data based on derived from a supply chain processes, such as an purchase order and goods receipt, the valuable data can be shared with the supplier, and an option to more details from the existing data available, thus getting involved in supply chain, the root cause of the problem, can be identified and thus with calculated Key Performance Indicators the monitored and review with the supplier can be done on a regular basis. In

order to create a fool proof supply chain standardization is very important, and suppliers who supply highly specialized parts or components that are sourced from one location or vendor, which hold larger inventory, as they have been carrying, and then to include exploring of new options for manufacturing the components or parts to reduce dependency on a single source, and finally make each global requirements independent

Supply chain management encompasses planning management activities, involved in sourcing, procurement, conversion, logistics management activities, as a fool proof include coordination, collaboration, with supply chain, as a priority in which suppliers, wholesalers, retailers, distribution, transportation, third party providers, customers, as an essence in supply chain to integrate supply demand, management within the organization as a fool proof in supply chain.

Supply chain involving global supply chain, independent producers, transporters, wholesalers, retailers, suppliers, transporters, wholesalers, retailers, suppliers, consumer, customers, who may not trust each customer, who may not trust each other suppliers, with great level of collaboration, share data, invest in direct technology, relationship, validating, reconciliation, data between suppliers, to provide flexibility in coordination as fool proof in supply chain.

CONCLUSIONS/IMPLICATIONS/RECOMMENDATIONS

Plan ahead of the efficiency of logistic lies in planning process, and in fool proof, as there is minimal chance of failure or breakdown in the supply chain unless in the extenuating circumstances, cultivating and showing relationship with supplier along with good supply chain, as this will strengthen the link in supply chain, and gain confidence, and show relationship with suppliers, and vendors, so that goodwill that they earn will not have a way for good operations.

Optimization of strategies are an immense important to the company or organization and failure to practice, an effective inventory control, can cause a loss to inventory, loss to customers, and manufacturing. Many companies upgrade the system towards inventory management, and invest in good inventory software, and organization, thereby inventory is updated, which if done manually, will not be done to grade up the fool proof system in supply chain.

Maintaining a perpetual inventory system by automating the inventory system, and a method to exercise a better control of inventory so that to keep a track of the quantity, and value of each item in stock, and bring in reports, and if any discrepancy is found, thus creating a fool proof in supply chain. By updating inventory, purchase, sale, consumption activity can be controlled by the techniques, and ensure an update in procurement, and maintenance process, thus creating a fool proof in supply chain.

Supply chain has been defined as a multi-dimensional in various field, encompassing the areas of logistics, marketing, purchase, procurement, operations management, with a fool proof in supply chain, include areas of studies, with a wide range of methodologies, employed across supply chain, with better scope reflected for literature identified, as an initial scope, available as evidenced in supply chain.

Supply chain business expansion in multiple facilities, as it can become difficult to back up inventory, manage numerous data, regulatory requirement, in supply chain. Supply chain can result in large amount of duplicate data, which require efforts in tracking, reconciliation, and data for transactions beginning to end, competing with any exception, as a fool proof in supply chain.

ACKNOWLEDGEMENTS

A highly integrated system can foster a safe and secure supply chain by propagating greater visibility, transparency and providing tools for better management and control. Moreover RFID GPS (Global Positioning System), bar coding, and such other tools which play more important roles in managing the distribution and warehousing, transportation, operations and ensuring a safe and secure supply chain. Electronic data inter-change between customers and various suppliers, vendors across supply chain will give access to instant information for quick action in critical solution. In all this information technology is developing and building safe secure fool proof supply chain.

Bringing in fool proof in supply chain it is the vision of supply chain in leveling production, and to use Just in Time concept with strict deliveries, and low inventory pull concept of demand, and then analyze the production schedule multiple times to respond to changes.

Data collection and storing will help to make facilities for decision making to decide, and plan can be handled as a part of production based on supply as a fool proof in supply chain.

Supply chain is to develop, approach a measure of value, creating, capture, production network, based on Key Performance Indicators, create value supply chain activities, and create a level of value in supply chain, for finished goods, services, comparing the value of raw materials, intermediate goods, services, expressing the employed for production, as a full proof in supply chain, managing value, thus creating, an organization level, with added production, labor, effectively in production, so as to capture value, as the amount of share created by organization, its subsidiaries, which can be an be transferred in supply chain, eventually creating value, by wages, revenues, investment, sourcing in supply chain.

REFERENCES

URCES FROM ELECTRONIC MEDIA

1. Most Sustainable Supply Chain Harvard Review: Authors: Vernonica H. Villena Dennis A. Gloia.

2. Ensuring Fool Proof Supply Chain, A Most Point for Success: Copy right 2020 Fashionating World All Rights Reserved.

3. Setting up a Sole and Fool Proof Retain Business Inventory Management Process: ETP Omni Channel Retail Solution: foundation.

4. Role of Visibility in Supply Chain Management: Intech Open: Authors: Zulkaif Ahmed Sagib: Khibaib Ahmed Sagib Jun Pu.