



De La Salle University – Dasmariñas

GRADUATE PROGRAM

LOGISTICS MANAGEMENT PRACTICES FOR THE SEMICONDUCTOR

INDUSTRY

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the Faculty of the Graduate School in Business
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by

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ABSTRACT

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Summary

The purpose of this study was to assess the impact of the new Inventory Repair Tracking Automated System (IRTAS) on the Nptest Incorporated Semiconductor Company's inventory control system.

Tracking of shipment at Inflow and Outflow process is one of the major concerns in Nptest Semiconductor companies here in the Philippines. Inventory Repair Tracking Shipment Automated System is one of the methods being used by Nptest Logistics department to prevent late deliveries.

In year 2000, a significant number of late deliveries had been found at Nptest customer-receiving department.

This paper was a general analysis and evaluation of the new Inventory Repair Tracking Shipment Automated System after its implementation. There were two general analyses needed to prove that IRTAS has better result than the old system.



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The researcher gathered and analyzed data before and after the implementation of the new system.

The first analysis was through comparison of the deliveries before the implementation year of 1999 and 2000. The other analysis was on the post implementation of the new Inventory Repair Tracking Shipment Automated System of year 2001 and 2002.

The second analysis revealed that the proposed IRTAS was very efficient and had an impact on the Nptest Semiconductor industry as the lead time of deliveries improved from 2001 to 2002 based on the results of analyses of shipment deliveries.

Findings and Conclusions:

Inventory Repair Tracking Shipment Automated System after its implementation improved the turn-around-time of shipment.

IRTAS had an impact in the company as the efficiency rate of deliveries improved after its implementation in 2001 – 2002 as compared to 1999 – 2000 prior implementation.

The new Inventory Repair Tracking Shipment Automated System was very effective in that the firm was able to keep track of the status of spare parts from receiving to shipment using automated system.

The new Inventory Repair Tracking Shipment Automated System had been approved and implemented in Nptest Incorporated last January of 2001.



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Recommendations:

Inventory Repair Tracking Shipment Automated System was highly recommended to Nptest Semiconductor Industry. The company should schedule upgrade of its computer hardware so that each computer could be utilized with greater reliability and productivity.

Accurate performance of the personnel involved should be continuously monitored, updated, and there must be constant training and upgrading of their skills to meet the company objectives. Also, a local area network (LAN) of the computers used by the different personnel involved in inventory management should be interconnected 24 hours a day so as to have an “on-line” System.

Excellent development of this project could also be beneficial in other semiconductor companies which have the same nature of business. It was then recommended that they implement this new system on their Logistics management practices.



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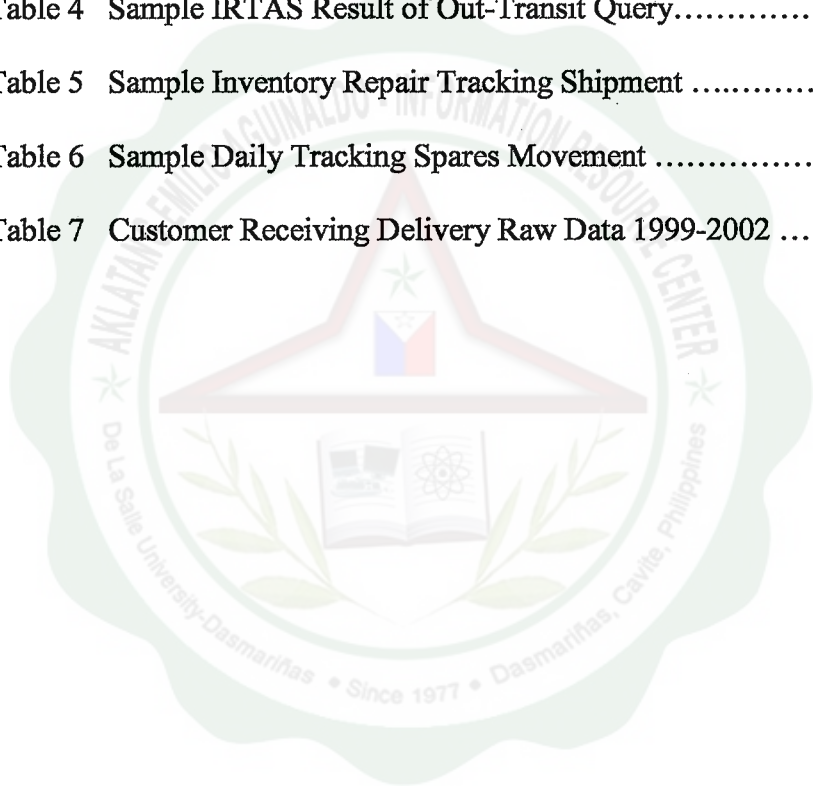
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