

A Study on the Purchase of Cross-Nation for Taiwanese in Mainland China to Supplier Improve Performance on the Impact of

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ABSTRACT

The thesis research in estimating for “A Study on the Purchase of Cross-Nation for Taiwanese in Mainland China to Supplier Improve Performance on the Impact of Buyer and Supplier Relationships”, it makes use of the SPSS I2.0 and AMOS 7.0 for Windows to compute all raw data of sampling survey, after analysis to demonstrate the structural equation modeling of estimating at on the this research model. Take will do as the future reference use in the business community appraisal, will let us examine these suppliers to develop the strategy performance influence. These results of study learn, the SA and SI and SPI, BSR on the Impact of there is relation of influencing each other. This prove business on the SA can enable supplier further performance to the SPI, the SI on the PI the with AMOS analysis to the supplier's performance that it makes this not to influence, finally the supplier's performance improvement to the buyer and supplier relationships, obvious of relation of each other exists, we conclude where the buying firm internalizes a significant amount of the supplier development effort, play a critical role in performance improvement.

Keywords : supplier assessment ; supplier incentives ; supplier performance improvement ; buyer-supplier relationships

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REFERENCES

- 參考文獻 一、中文部份 吳明隆(2003) , SPSS統計應用學習實務 - 問卷分析與應用統計 , 知城數位科技股份有限公司。李茂能(2006) , 結構方程模式軟體Amos之簡介及其在測驗編製上之應用:Graphics & Basic , 台北:心理出版社。邱政皓(2008) , 量化研究與統計分析SPSS中文視窗版資料分析範例解析(第三版) , 台北:五南書局。戴久永(2005) , 全面品質管理 , 台中:滄海書局。二、英文部份 Adam, E. E., & Swamidass, P. M. (1989). Assessing operations management from a strategic perspective. *Journal of Management*, 15(2), 181 – 203. Andrews, K. R. (1984). The concept of strategy. Irwin Publishing, Homewood, IL. Anderson, E., & Weitz, B. (1992). The use of pledges to build and sustain commitment in distribution channels. *Journal of Marketing Research*, 29(1), 18 – 34. Blaxill, M., & Hout, T. (1991). The fallacy of the overhead quick fix. *Harvard Business Review*, 69(4), 93-101. Blau, P. M. (1964). Exchange and Power in Social Life, Wiley, New York. Boyle, B. A., Dwyer, F. R., Robicheaux, R. A., & Simpson, J. T. (1992). Influence strategies in marketing channels: measures and use in different relationship structures. *Journal of Marketing Research*, 29(4), 462-473. Burt, D. N., & Soukup, W. R. (1985). Purchasing 's role in new product development. *Harvard Business Review*, 38(1), 89-97. Cannon, J. P., & Perreault, Jr. W. D. (1999). Buyer – seller relationships in business markets. *Journal of Marketing Research*, 36(4), 439-460. Carr, A. S., & Pearson, J. N. (1999). Strategically managed buyer – supplier relationships and performance outcomes. *Journal of Operations Management*, 14(4), 497-519. Carter, J. R. (1996). A comparison of north American and European future purchasing trends. *International Journal of Purchasing and Materials Management*, 32(2), 12-22. Choi, T. Y., & Hartley, J. L. (1996). An exploration of supplier selection practices across the supply chain. *Journal of Operations Management*, 14(4), 333-343. Chung, S., & Kim, G. M. (2003). Performance effects of partnership between manufacturers and suppliers for new product development: the supplier 's standpoint. *Research Policy*, 32(4), 587-603. Cigolini, R., Cozzi, M., & Perona, M. (2004). A new framework for supply chain management: conceptual model and empirical test. *International Journal of Operations & Production Management*, 24(1), 7-14. Cocks, P. (1996, February). Partnership in pursuit of lean supply. *Purchasing & Supply Management*, 32-33. Cooper, M. C., & Ellram, L. M. (1993). Characteristics of supply chain management and the implications for purchasing and logistics strategy. *International Journal of Logistics Management*, 4(2), 13-24. Cooper, M. C., & Gardner, J. T. (1993). Building good business relationships—more than just partnering or strategic alliances? *International Journal of Physical Distribution and Logistics Management*, 23(6), 14-26. Deng, S., & Wortzel, L. H. (1995). Importer purchase behavior: guidelines for Asian exporters. *Journal of Business Research*, 32(1), 41-47. Dickson, G. W. (1966). An analysis of supplier selection systems and decisions. *Journal of Purchasing*, 2, 5-17. Donald, R. C., & Pamela, S. S. (2006). *Business Research Methods*, 9. YN: McGraw-Hill. Dwyer, F. R., Schurr, P. H., & Oh, S. (1987). Developing buyer – supplier relationships. *Journal of Marketing*, 51(2), 11-27. Dyer, J. H., & Ouchi, W. G. (1993). Japanese-style partnerships: giving companies a competitive edge. *Sloan Management Review*, 35(1), 51-63. Dyer, J. H., & Singh, H. (1998). The relationship of electronic data interchange with inventory and financial performance. *Journal of Business Logistics*, 21(2), 209-230. Ellram, L. M. (1990). The supplier selection decision in strategic partnerships. *Journal of Purchasing and Materials Management*, 20(4), 8-14. Ellram, L. M. (1991). A managerial guideline for the development and implementation of purchasing partnerships. *International Journal of Purchasing and Materials Management*, 27(3), 2-8. Ellram, L. M., & Hendrick, T. E. (1995). Partnering characteristics: a dyadic perspective. *Journal of Business Logistics*, 16(1), 41 – 64. Epatko, E. (1994). Suppliers can help meet xustomer desires. *Purchasing*, 117(8), 9-11. Ettlie, J. E. (1995). New links in the supply chain. *Production*, 107(2), 14-15. Fawcett, S. E. & Fawcett, S. A. (1995). The firm as a value-added system: integrating logistics, operations and purchasing. *International Journal of Physical Distribution & Logistics Management*, 25(5), 24-42. Frazier, G. L., Spekman, R. E., & O ' Neal, C. R. (1988). Just-in-time exchange relationships in industrial markets. *Journal of Marketing*, 52(4), 52-67. Fitzgerald, K. J. (1995). Information security baselines. *Information Management & Computer Security*, 3(2), 8-12. Frohlich, M. T., & Westbrook, R. (2001). Arcs of integration: an international study of supply chain strategies. *Journal of Operations Management*, 19(2), 185-200. Giunipero, L. (1990). Motivating and monitoring JIT supplier performance. *Journal of Purchasing and Materials Management*, 26(3), 19-24. Giunipero, L. (1990). Motivating and monitoring JIT supplier performance. *Journal of Purchasing and Materials Management*, 26(3), 70-75. Giunipero, L. C. & Brand, R. R. (1996). Purchasing's role in supply chain management. *International Journal of Logistics Management*, 7(1), 29-38. Giunipero, L. C., & Brewer, D. J. (1993). Performance based supplier selection systems under total quality management. *International Journal of Purchasing and Materials Management*, 29(4), 35-41. Gonzalez-Benito, J., Suarez-Gonzalez, I., & Spring, M. (2000). Complementarities between JIT purchasing practices: An economic analysis based on transaction costs. *International Journal of Production Economics*, 67(3), 279-293. Hahn, C. K., Watts, C. A., & Kim, K. Y. (1990). The supplier development program: A conceptual model. *International Journal of Purchasing and Materials Management*, 26(2), 2-7. Hamel, G., & Prahalad, C. K. (1993). Strategy as stretch and leverage. *Harvard Business Review*, 71(2), 75-84. Harland, C. M. (1996). Supply chain management: relationships, chains and networks. *British Journal of Management*, 7, 63-80, Special issue. Hartley, J., & Choi, T. (1996). Supplier development: Customers as a catalyst of process change. *Business Horizons*, 39, 37-44. Hayes, R. H., & Wheelwright, S. C. (1984). Restoring Our Competitive

Edge: Competing Through Manufacturing. Wiley, New York. Heide, J. B., & John, G. (1990). Alliances in industrial purchasing: the determinants of joint action in buyer – supplier relationships. *Journal of Marketing Research*, 27(1), 24-36. Heide, J. B., & Miner, A. S. (1992). The shadow of the future: effects of anticipated interaction and frequency of contact on buyer – seller cooperation. *Academy of Management Journal*, 35(2), 265-291.

Helo, P., & Szekely, B. (2005). Logistics information systems: an analysis of software solutions for supply chain co-ordination. *Industrial Management and Data Systems*, 105(1), 5-18. Helper, S. (1991). How much has really changed between U.S. automakers and their suppliers. *Sloan Management Journal*, 15(6), 15-28. Hewitt, E. (1994). Supply chain redesign. *International Journal of Logistics Management*, 5(2), 1-9. Hines, P. (1994). Creating world class suppliers: Unlocking mutual competitive advantage. London: Pitman Publishing. Ho, D. C. K., Au, K. F., & Newton, E. (2002). Empirical research on supply chain management: a critical review and recommendations. *International Journal of Production Research*, 40(17), 4415-4430. Huanag, C., Trappey, A. J. C., & Yao, Y. (2005). Developing an agent-based workflow management system for collaborative product design. *Industrial Management and Data Systems*, 106(5), 880-899. Humphreys, P. K., Li, W. L., & Chan, L. Y. (2004). The impact of supplier development on buyer-supplier performance. *Omega*, 32(2), 131-143. Humphreys, P., Huang, G., & Cadden, T. (2005). A web-based supplier evaluation tool for the product development process. *Industrial Management and Data Systems*, 105(2), 147-163. Johnston, W. J., & Lewin, J. E. (1996). Organizational buying behavior: toward an integrative framework. *Journal of Business Research*, 35(1), 1-15. Katsikeas, C. S., & Leonidou, L. C. (1996). International supplier selection: The relevance of import dependence. *Journal of Global Marketing*, 9(3), 23-45. Kim, Y., & Lee, J. (1993). Manufacturing strategy and production systems: an integrated framework. *Journal of Operations Management*, 11(1), 3-15.

Kotha, S., & Orne, D. (1989). Generic manufacturing strategies: a conceptual synthesis. *Strategic Management Journal*, 10(3), 211-231. Krause, D. R. (1997). Supplier development: Current practices and outcomes. *International Journal of Purchasing and Materials Management*, 33(2), 12-19.

Krause, D. R., Scannell, T. V., & Calantone, R. J. (2000). A structural analysis of the effectiveness of buying firms' strategies to improve supplier performance. *Decision Sciences*, 31(1), 33-56. Kumar, N., Scheer, L. K., & Steenkamp, J. B. E. M. (1995). The effects of perceived interdependence on dealer attitudes. *Journal of Marketing Research*, 32(3), 348-356. Lamming, R. (1993). Beyond Partnership: Strategies for Innovation and Lean Supply. Prentice-Hall, London. Leenders, M. R. (1994). Adapting purchasing to supply chain management. *International Journal of Physical Distribution & Logistics Management*, 24(1), 40-42. Lehman, D. R., & O 'Shaughnessy, J. (1982). Decision criteria used in buying different categories of products. *Journal of Purchasing and Materials Management*, 18(1), 9-14. Lambert, D. M., Emmelhainz, M. A., & Gardner, J. T. (1996). So you think you want a partner? *Marketing Management*, 5(2), 25-41. MacDuffie, J., & Helper, S. (1997). Creating lean suppliers: Diffusing lean production through the supply chain. *California Management Review*, 39(4), 118-151. Maloni, M. J., & Benton, W. C. (2000). Power influences in the supply chain. *Journal of Business Logistics*, 21(1), 49-74. Mason, T. (1996). Getting your suppliers on the team. *Logistics Focus*, 4(1), 10-12. Mentzer, J. T., DeWitt, W., Keebler, J. S., Min, S., Nix, N. W., Smith, C. D., & Zacharia, Z. G. (2001). Defining supply chain management. *Journal of Business Logistics*, 22(2), 1-25. Mentzer, J. T., & Konrad, B. P. (1991). An efficiency/effectiveness approach to logistics performance analysis. *Journal of Business Logistics*, 12(1), 33-62. Miller, J. G., & Roth, A. V. (1994). A taxonomy of manufacturing strategies. *Management Science*, 40(3), 285-304. Min, H. L., & Williams, A. (1994). Positioning against foreign supply sources in an international purchasing environment. *Industrial Marketing Management*, 23(5), 371-382. Minahan, T. (1996). Buyers take a lead role in setting corporate strategies. *Purchasing*, 120(7), 31. Monczka, R. M. & Trent, R. J. (1991) Evolving sourcing strategies for the 1990s. *International Journal of Physical Distribution & Logistics Management*, 21(5), 4-12. Monczka, R. M., Trent, R. J., & Callahan, T. J. (1994). Supply base strategies to maximize supplier performance. *International Journal of Physical Distribution and Logistics*, 24(1), 42-54. Monczka, R. M., & Trecha, S. J. (1988). Cost based supplier performance evaluation. *Journal of Purchasing and Materials Management*, 24(1), 2-7. Monczka, R. M., Trent, R. J., & Handfield, R. B. (2004). Purchasing and supply chain (3rd ed.). Ohio: South-Western College. Morgan, J. (1996a). Supplier integration: A new level of supply chain management. *Purchasing*, 120(1), 110-113. Morgan, J. (1996b). Good may not be good enough. *Purchasing*, 120(7), 38-41.

Noordewier, T. G., John, G., & Nevin, J. R. (1990). Performance outcomes of purchasing arrangements in industrial buyer-vendor relationships. *Journal of Marketing*, 54(4), 80-93. Penrose, E. (1959). The theory of the growth of the firm. Guikford, London: Billing and Sons Ltd. Petersen, K. J., Handfield, R. B., & Ragatz, G. L. (2005). Supplier integration into new product development: coordinating product, process and supply chain design. *Journal of Operations Management*, 23(3/4), 371-388. Piercy, N. F., Katsikeas, C. S., & Cravens, D. W. (1997). Examining the role of buyer-seller relationships in export performance. *Journal of World Business*, 32(2), 73-86. Porter, M. E. (1996). What is strategy? *Harvard Business Review*, 74(6), 61-78. Prahalad, C. K., & Hamel, G. (1990). The core competence of the corporation. *Harvard Business Review*, 68(3), 79-97.

Quinn, J., Doorley, T., & Paquette, P. (1990, March-April). Beyond products: Services-based strategy. *Harvard Business Review*, 58-67. Ragatz, G. L., Handfield, R. B., & Scannell, T. V. (1997). Success factors for integrating suppliers into new product development. *Journal of Production and Innovation Management*, 14(3), 190-202. Ring, P. S., & Van de Ven, A. H. (1994). Developmental process of cooperative interorganizational relationships. *Academy of Management Review*, 19(1), 90-118. Schroeder, R. G., Anderson, J. C., & Cleveland, G. (1986). The content of manufacturing strategy: an empirical study. *Journal of Operations Management*, 6(4), 405-415. Shin, H., Collier, D. A., & Wilson, D. D. (2000). Supply management orientation and supplier/buyer performance. *Journal of Operations Management*, 18(3), 317-333. Spekman, R. (1988, July-August). Strategic supplier selection: understanding long-term buyer relationships. *Business Horizons*, 7-12. Sriram, V., & Stump, R. (2004). Information technology investments in purchasing: an empirical investigation of communications, relationship and performance outcomes. *Omega*, 32(1), 41-55. Stank, T. P., Keller, S. B., & Closs, D. J. (2002). Performance benefits of supply chain logistical integration. *Transportation Journal*, 41(2/3), 32-46. Stuart, F. I. (1993). Supplier partnerships: influencing factors and strategic benefits. *Journal of Purchasing and Materials Management*, 29(1), 1-10.

Management, 29(3), 22-28. Tan, K. C., Kannan, V. R., & Handfield, R. B. (1998). Supply chain management: Supplier performance and firm performance. International Journal of Purchasing and Materials Management, 34(3), 2-9. Tan, K., Kannan, V. R., Handfield, R. B., & Ghosh, S. (1999). Supply chain management: an empirical study of its impact on performance. International Journal of Operations and Production Management, 19(10), 1034-1052. Tezuka, H. (1997). Success as the source of failure? Competition and cooperation in the Japanese economy. Sloan Management Review, 38(2), 83-93. Thorelli, H. B., & Glowacka, A. E. (1995). Willingness of American industrial buyers to source internationally. Journal of Business Research, 32(1), 21-31. Towler, B. (1996, February). Communication and the supply chain - how? Purchasing & Supply Management, 26-27. Tully, S. (1995). Purchasing 's new muscle, Fortune, 20, 76. Tully, S. (1995). Purchasing 's new muscle. Fortune, 131(3), 75-80. Verma, R., & Pullman, M. E. (1998). An analysis of the supplier selection process. OMEGA: International Journal of Management Science, 26(6), 739-750. Venkatraman, N., & Ramanujam, V. (1986). Measurement of business performance in strategy research: a comparison of approaches. Academy of Management Review, 11(4), 801-814. Vijayasarathy, L. R., & Robey, D. (1997). The effect of EDI on market channel relationships in retailing. Information and Management, 33(2), 73-86. Vonderembse, M. A., & Tracey, M. (1999). The impact of supplier selection criteria and supplier involvement on manufacturing performance. The Journal of Supply Chain Management, 35(3), 33-39. Walker, G., & Poppo, L. (1991). Profit centers, single-source suppliers, and transaction consts. Administrative Scence Quarterly, 36(1), 66-87. Walton, S. V., Handfield, R. B., & Melnyk, S. A. (1998). The green supply chain: Intergrating suppliers into environmental management processes. International Journal of Purchasing and Materials Management, 34(1), 2-11. Waters-Fuller, N. (1995). Just-in-time purchasing and supply: a review of the literature. International Journal of Operations & Production Management, 15(9), 220-36. Watts, C. A., & Hahn, C. K. (1993). Supplier development programs: An empirical analysis. International Journal of Purchasing and Materials Management, 29(2), 11-17. Watts, C. A., Kim, Y. K., & Hahn, C. (1992). Linking purchasing to corporate competitive strategy. International Journal of Purchasing and Materials Management, 28(4), 2-8. Webster, Jr. F. E. (1992). The changing role of marketing in the corporation. Journal of Marketing, 56(4), 1-17. Wernerfelt, B. (1984). A resource-based view of the firm. Strategic Management Journal, 5(2), 171-180. Wernerfelt, B. (1995). The resource-based view of the firm: Ten years later. Strategic Management Journal, 16(2), 171-174. Williamson, O. E. (1985). The economic institutions of capitalism: firms, markets. Relational Contracting. Free Press, New York. Wilson, D. T. (1995). An integrated model of buyer – seller relationships. Journal of the Academy of Marketing Science, 23(4), 335-345. Womack, J. P., Jones, D. T. & Roos, D. (1990). The machine that changed the world: The triumph of lean production. Rawson Macmillan, New Your: Harper Perennial.