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# Propositions from study:

Supplier selection practices in the US auto industry differ among firms across different tier levels of auto assemblers, direct suppliers, and indirect suppliers.

### Key Findings/results/Conclusion

- Proposition doesn't hold no difference was found
- They only difference captured is that
  - o Auto assemblers are higher on technical capabilities
  - Indirect suppliers are higher on finances

# **Key findings:**

- Conformance along with consistency (Delivery + quality) is important
- Reliability
- Potential for cooperative and long-term relationship
- Price is the least important parameter

### What determines criteria focus? Supply chain position?

Finances Financial conditions Profitability of supplier Financial records disclosure Performance awards	Consistency Conformance to quality Consistent delivery Quality philosophy Prompt response	Relationship Long-term relationship Relationship closeness Communication openness Reputation for integrity	Flexibility Product volume changes Short set-up time Short delivery lead time Conflict resolution
Technological capability Design capability Technical capability	Service After-sales support Sales rep's competence	Reliability Incremental improvement Product liability	Price Low initial price

- 3 groups are compared in this study within the automobile industry

## Selection criteria consistency:



- Red = least focus
  - o Price is rated low which we may argue is due to some biases which we cannot explain
- Green = most focus

### **Biases**

Researchers think that purchasers look at all the softer things and not the price however in reality, price might be on top 3 most important things

# (Luzzini et al., 2014) Designing vendor evaluation systems: An empirical analysis

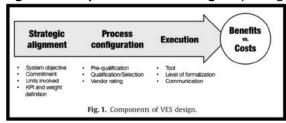
#### Abstract

- VES = Vendor evaluation system
- VES at intersection of 3 disciplines
  - o Performance management, supply chain management & purchase management.
- Paper investigates VES designs in terms of strategic alignments, process configuration and execution, benefit/cost + how combi of elements determine company satisfaction

### Research goal and framework

- (Kim Sundtoft and Chris, 2011) reference: development, implementation & use

Figure 1: Components of VES design - Splitting design phase into key choices related:



- Component 1: strategic alignment: KPI, commitment, system objective & units
- Component 2: process configuration: pre-qualification, selection and vendor rating
- Component 3: execution: tool, level of formalization, communication

### <u>Underlying assumption as explained by Kim Sundtoft and Chris (2011)</u>

 If influence is successful it will manifest itself in changed supplier behavior aligned with evaluating firms interest, improves supplier capabilities + performance → benefit for buying firm

# VES benefit vs. COST in table 6 & 7

- Better performance (profitability, product quality)
- Vendor performance + proper supply chain monitor, influence supplier behavior
- Improved buyer supper relationship

## Study objective

- RQ 1: how can a VES be designed?
- RQ 2: how does design influence firm satisfaction with system?

Table 8: comparison of different VES design: HIGH, MEDIUM, LOW

Satisfaction Supporting cases	High	Medium		Low
	Electric1; Fashion1; White,	2; Auto I Electric 2; Energy I	; Energy 2	Fashion2; White1; Auto2
	design and monitor the VES a	evant for the evaluation contributes to according to its own capabilities degrate processes and measures into a tVES	integrating other dep	
VES strategic alignment	<ul> <li>base reduction, transparency)</li> <li>The VES requires a conscious category strategies, which are</li> <li>Within the pool of KPIs, spec purchasing categories</li> </ul>	gmment to purchasing objectives, supply  s definition of the purchasing and aligned to the company strategy ific measures are chosen for different  coording to the category strategy and	generic process stans The VES is not expli company strategies The same set of KPI	lives (the system is created as a consequence of dardization objectives) icity linked to category, purchasing, and s is used for all categories ing to different peer departments are the same
	<ul> <li>considering the inputs of peer</li> <li>Funnel evaluation process</li> </ul>	departments	***************************************	in order to ensure consensus for all suppliers/categories
Evaluation process	Detailed and scalable process Process variants according to Standard finitial phases, later c Pre-qualification is distinguish All relevant departments are c Common guidelines througho Frequent update of vendor rat Few easys-to-calculate indicate	category characteristics costomized bet from qualification actly involved in the company but local delegation and against the category strategy  to aligned to the category strategy	No clear distinction Not all relevant deps No common approac Low frequency of up Many indicators, not	between phases entireness are involved in throughout the company dutes easily obtained from the data available
VES execution		utemation, integrates all measures.  IRP, and is shared among departments cesses and responsibilities  of both KPIs and targets	The supporting tool	o suppliers

- Despite power being referred to social relation the major aspect of power is a goal or gratification which is achieved through relations.
- This article has substantial information that can inform organization's decision makers and how they can use power to influence the formation of organizational goals.

#### Conclusion

- Ties of mutual dependence which bind actors together in social systems
- Value of theory = ability to pull together a wide variety of social events, ranging from the internalization of parental codes to society-wide movements, like the collectivization of labor, in terms of a few very simple principles

### **Results:**

- 1. Conformity (Pgm) varies directly with motivational investment in the group;
- 2. Conformity varies inversely with acceptance in alternative groups;
- 3. Conformity is high at both status extremes in groups with membership turnover (see column 5, Table 1);
- 4. Highly valued members of a group are strong conformers only if they are valued by other groups as well. (This supports the notion that special status rewards are used to hold the highly valued member who does not depend heavily upon the group, and that in granting him such re- wards power is obtained over him.);
- 5. Coalitions form among the weak to control the strong (balancing operation number three);
- 6. The greatest rewards within a coalition are given to the less dependent member of the coalition (balancing operation number three, analogous to "status giving").

(Weber et al., 2010) Low cost country sourcing and its effects on the total cost of ownership structure for a medical device manufacturer

#### Abstract

- Describe a TCO method as an activity-based costing (ABC) application to measure and analyze the cost of international sourcing
- Findings:
  - Costs at component and supplier level gain important over traditionally dominating unit level costs
  - Low cost country sourcing is a decision with extensive impact on value chain entities other than purchasing
  - o A considerable part of cost in low cost country begin with high cost due to
    - Unsatisfactory initial quality, language barriers, intercultural communication

# Intro + purpose

- Main selection criteria for supplier is purchase price include the following as well:
  - Opportunity cost, volatile costs, non-monetary criteria as risk
- The analyses are performed ex-post for a division of the medical devices manufacturer Siemens Healthcare, making use of real sourcing data.
- low cost countries are understood as countries with relatively low wages like Eastern European Countries, China and India.
- LCC = Low cost country
- TPM = traditional procurement markets

### Framework

### **TCO Defined:**

 To evaluate a sourcing decision, all costs associated with the acquisition, use and maintenance of a product are taken into consideration

### ABC + TCO:

- ABC: costs for activities rather than using structures like cost centers or (final) products
- Why combine these 2?
  - o for the sourcing company it is not only important to gain knowledge about the costs and their activity and cost drivers, but also where in the company and hence where in the internal value chain these costs accrue.

#### Results + discussion

- developed ABC-based TCO model proved to be applicable in the analyzed case study setting.
- Allow us to determine the TCO of components purchased in TPM and LCC.
- By combining the ABC-based TCO approach with value chain analysis, differences between TPM and LCC sourcing became evident in the case study.