ANTECEDENTS AND CONSEQUENCES OF THE CONFLICT BETWEEN THE MARKETING AND SALES DEPARTMENTS

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This paper focuses on the relationship between the Marketing and Sales departments. A model which investigates the antecedents of the Marketing-Sales conflict in terms of market orientation and company's strategy, as well as the consequences of this conflict in company performance was developed and tested. Based on data collected from both Marketing and Sales managers in 132 companies, the study indicates that market orientation and the consistency in the perceptions of Marketing-Sales managers visà-vis the company's strategy are reducing the conflict between Marketing and Sales, which is hurting company performance. The theoretical and managerial implications of the study are discussed.

INTRODUCTION

Senior managers often describe the working relationship between Marketing and Sales (hereinafter M&S) as unsatisfactory. Companies such as IBM and Procter & Gamble have experienced poor coordination and problematic relationships between their M&S departments (Kotler et al., 2006; Shapiro, 2002). The relationship between M&S is reported as being problematic (Dewsnap and Jobber, 2000, 2002) and affecting company performance (Shapiro, 2002; Kotler et al., 2006; Meunier-FitzHugh and Percy, 2007).

A considerable body of research calls for both M&S departments to modify their role and practices in order to increase their coordination, to improve their relationships and to give life to integrated processes (e.g. Cespedes, 1993; Day, 1994; Homburg et al., 2008; Kotler et al., 2006; Shapiro, 2002; Slater and Narver, 1995). Coordination, improved relationships integration between M&S departments are achieved when these two functions are (a) supportive of each other, (b) consistent and congruent, and (c) sharing the same culture (Lorge, 1999; Kotler et al., 2006; Meldrum, 1996; Rouziès et al., 2005). Griffin and Hauser (1996) cite cultural differences between M&S, which are mainly created by differences in background, as a barrier to inter-functional relationships and integration between these two departments. In a similar vein, Rouziès et al. (2005) suggested that organizational cultures with norms of sharing and adapting, positively affect the degree of M&S integration and coordination. Two significant elements of culture which had been mentioned in the literature as having a bearing on the relationship between M&S departments are (a) the degree of market orientation, and (b) the M&S alignment in company's strategy (Guenzi and Troilo, 2006; Homburg and Pflesser 2000; Meldrum, 1996; Shapiro, 2002). Moreover, a core element of poor Marketing-Sales relationships is their in-between conflict (Dewsnap and Jobber, 2000, 2002; Kotler et al., 2006).

Despite the above observations, almost no attention has been devoted to investigating (a) the antecedents of M&S conflict in terms of the two significant elements of culture (market orientation and M&S alignment in company's strategy), and (b) the consequences of this conflict in terms of company's performance. Moreover, extant literature in the area of interdepartmental relationships, and more specifically between the M&S departments, has not examined, as yet, the perceptions of the managers of the same company simultaneously. As Dawes and Massey (2005) point out, researchers, ideally, need to examine M&S managers' perspectives simultaneously.

Therefore, the main objectives of this research

project were to capture the perceptions of both M&S managers within the same company in order to investigate (a) the impact of market orientation and company's strategy on the level of conflict between M&S, and (b) the effects of this conflict on company performance.

LITERATURE REVIEW AND HYPOTHESES

Market Orientation

Market orientation has been studied extensively over the past twenty years with the general consensus that is positively related to business performance (e.g. Avlonitis and Gounaris, 1997; Jaworski and Kohli, 1993; Narver and Slater, 1990). A central aspect of the market orientation is cross-functional interaction (Krohmer et al., 2002). Specifically, Narver and Slater (1990) view "inter-functional coordination" as being one of three components of market orientation, whereas Jaworski and Kohli (1993) place emphasis on behaviours in regard to market information and cross-functional activities, which fall within the intelligence dissemination part of their conceptualization. In general, market oriented companies are characterized by a high level of integration of market-related knowledge and skills (Guenzi and Troilo, 2006). Prior research shows that knowledge and skills regarding market-related activities (e.g. market research, STP strategies and the 4Ps) are highly concentrated in M&S departments, which are the two departments traditionally responsible for managing these activities (Homburg et al., 1999; Krohmer, et al., 2002; Rouziès et al., 2005). Additionally, Guenzi and Troilo (2006) suggested market orientation as a cultural aspect which improves M&S integration, while Jaworski and Kohli (1993) found that higher level of conflict was associated with reduced market orientation. Thus, we can hypothesize that:

H1: Market orientation is (a) decreasing the level of conflict between Marketing and Sales departments, and (b) enhancing company performance

Company's Strategy

Companies can employ different strategies in order to create superior customer value (e.g. Day, 1994), which is the basis of their competitive advantage (Guenzi and Troilo, 2007). The M&S relationship is highly connected with the quality of strategy formulation and implementation (Menon et al., 1996). Conflict between M&S is associated with lower cooperation and the co-ordination of strategy activities, effectively undermining the quality of strategy in terms of both planning and implementation (Menon et al., 1997; Ruekert and Walker, 1987). There is also seems to be a connection between M&S alignment and inconsistencies in the perceptions of M&S managers regarding company's strategy (e.g. Viswanathan & Olson, 1992). For instance, Strahle et al. (1996) demonstrated inconsistencies formulation strategy between departments, suggesting that in most cases the activities performed at the Sales department level do not reflect the strategy at the SBU level. Likewise, Colletti and Chonko (1997) showed that changes in marketing strategies do not drive to consistent modifications of sales strategies and tactics, while Evans and Schlacter (1985) found that companies hardly integrate the sales force in marketing planning processes. Thus, we can hypothesize that:

H2: Inconsistencies in the perceptions of Marketing and Sales managers regarding their company's strategy are (a) enhancing the level of conflict between their departments, and (b) reducing company performance

The Impact of Conflict on Company Performance

Some scholars have devoted attention to M&S interaction. For instance, Dewsnap and Jobber (2000, 2002) note that the M&S relationship is characterized, mainly, by negative outcomes, e.g. a lack of cohesion, distrust, dissatisfaction, and conflict. Conflict has been defined in the organisational science literature as the "collision

of actors" (Katz and Kahn, 1978) and "tension between two or more social entities - individuals, groups or larger organisations - which arises from incompatibility of actual or desired responses" (Gaski, 1984). In the marketing literature, Menon et al. (1996) conceptualize conflict as dysfunctional, task-based tension between departments, which manifests in the form of "turf battles" and "destructive selfserving efforts" which are both counter to collaboration (Morgan and Piercy, 1998). The consequences of conflict on organisational processes and marketing performance are characterized as deleterious (Chimhanzi, 2004). Conflict has been found to reduce interfunctional performance (Dutton and Walton, 1996; Souder, 1981; Weinrauch and Anderson, 1982) as it results in the absence of depth of communication and infrequency of contact between functional units (Menon et al., 1997). Additionally, Kotler et al. (2006) emphasized the need for ending the war between M&S in order to create superior company performance. Thus, we can hypothesize that:

H3: Conflict between Marketing and Sales departments has a negative impact on company performance

Research Model

On the basis of the preceding discussion, the

relationships between the constructs used are summarized in the research model shown in Figure 1.

RESEARCH METHODOLOGY

Sample & Data Collection

Consumer goods companies with turnover of more than 5 million euro and more than 50 employees were specified as the population of this study, since these criteria can justify the existence of an independent Marketing department. Using the TNS ICAP Census of Greek Companies Financial Position, 509 firms were identified as fulfilling the above criteria. From these companies, a stratified sample of 312 companies was selected (strata were derived on the basis of size and SIC code) and contacts were made by letters and phone calls asking their cooperation in our research. 132 of them agreed to participate in our research (42% response rate). Personal interviews were conducted, using a structured questionnaire, with the M&S managers of these companies. Both M&S managers answered the same questionnaire in separate personal interviews (without knowing each other's answers). This method apparently is the most appropriate one since it reduces common method bias, as from each sample

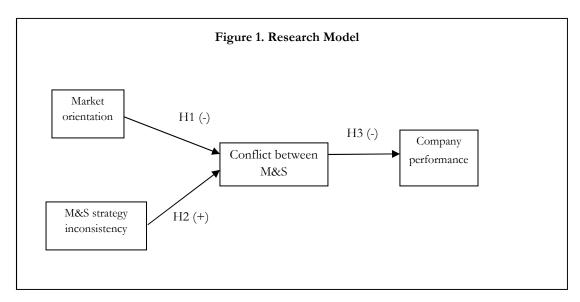


Table 1. Operationalisation of Study Variables								
Variable		CFI	TLI	RMSEA	AVE	mean	Std.dev	Cronbach's Alpha
Market orientation	Marketing Manager perceptions	.922	.913	.072	See Table2	4.0	.54	See Table2
Warket ortentation	Sales Manager perceptions	.919	.908	.077	See Table2	3.9	.52	See Table2
Conflict between	Marketing Manager perceptions	.943	.915	.060	.835	2.5	.90	.939
M&S departments	Sales Manager perceptions	.962	.942	.075	.849	2.6	.96	.949
Company performance	Marketing Manager perceptions	.919	.903	.078	.879	3.2	.91	.958
	Sales Manager perceptions	.921	.904	.080	.866	3.2	.87	.953

Table 2. Market Orientation Components				
Latent variable	Marketing Managers	Sales Managers		
(Customer Orientation)	AVE= $0.635 > 0.5$ Composite Reliability = $0.737 > 0.7$	AVE= 0,679 > 0,5 Composite Reliability = 0,721 > 0,7		
	Cronbach's alpha = $0,902$	Cronbach's alpha = 0.887		
(Competitive Orientation)	AVE= $0.617 > 0.5$ Composite Reliability = $0.754 > 0.7$ Cronbach's alpha = 0.816	AVE= $0,631 > 0,5$ Composite Reliability = $0,708 > 0,7$ Cronbach's alpha = $0,760$		
(Inter-Functional Coordination)	AVE= $0,629 > 0,5$ Composite Reliability = $0,730 > 0,7$ Cronbach's alpha = $0,826$	AVE= $0.620 > 0.5$ Composite Reliability = $0.719 > 0.7$ Cronbach's alpha = 0.778		

company two key-informants provided the data (Podsakoff et al., 2003).

Operationalisation of Study Variables

Market Orientation: The fifteen-item scale developed by Narver and Slater (1990) was adopted in order to capture the level of market orientation. Both managers indicated, using a 5point Likert type scale (where 1 stands for low level of market orientation and 5 stands for high level of market orientation), their degree of agreement with each of the items of the scale. Two CFAs (one for each manager) were conducted in order to assess the reliability and validity of this reflective measure. shown in Tables 1 and 2, the CFAs provide evidence in favor of the three Narver and Slater's (1990) market orientation components (Customer

Competitive Orientation, Inter-Functional Orientation, Coordination). Following standard procedures (see Narver and Slater 1990; Slater and Narver, 2000) the mean value of these three components for both M&S managers was computed providing their perception of market orientation. Independent samples t-test indicated significant differences in the opinions of M&S managers regarding the level of market orientation (Marketing managers mean=4.06 / Sales managers mean=3.97 / t=1.377 / ns-p>0.05). Thus, the mean value of the responses from the two managers of each company was computed and used as a composite measure of market orientation (mean value=4.01, Std.dev.= 0.52).

Company Strategy: McKee, Varadarajan and Pride's (1989) operationalisation was adopted in order to capture the perceptions of M&S managers

regarding the type of their company's strategy. Thus, each manager was provided with the definition of the three strategies of Miles and Snow (1978) typology (Prospector, Analyzer, and Defender) and was asked to indicate the strategy which he/she perceived as being his/her company's strategy. Instead of using the terms "prospector", "defender" and "analyzer", we labelled the descriptions "Type 1", "Type 2" and "Type 3" respectively, in order to control for socially undesirable responses (Stathakopoulos, 1998). Through this operationalization, the companies were classified in two groups, as shown in Table 3, whereby group 1 contains companies in which the M&S managers had similar perceptions regarding their company's strategy (80%), while group 2 contains companies in which the two managers had different perceptions regarding the strategy in question (20%). Thus, a dichotomous 0, 1 measurement was devised whereby the value of 0 stands for companies in group 2, while the value of 1 stands for companies in group 1.

Conflict: The seven-item scale developed by Jaworski and Kohli (1993) measuring interdepartmental conflict was adapted in order to capture the level of conflict between M&S departments. Both managers indicated, using a 5-point Likert type scale (where 1 stands for low level of conflict and 5 stands for high level of conflict), their degree of agreement with each of the seven items of the scale. Two CFAs (one for each manager) were conducted in order to assess the reliability and validity of this reflective measure, as shown in Table 1. Independent samples t-test indicated no significant differences in the opinions of M&S managers regarding the

level of conflict between M&S departments (Marketing managers mean=2.56 / Sales managers mean=2.61 / t=-0.396 / ns-p>0.05). Thus the mean value of the responses of the two managers from each company was computed and used as a composite measure of M&S conflict (mean value=2.6, Std.dev.=0.9).

Company Performance: Company performance was measured in terms of profits, sales volume, market share and ROI (e.g. Narver and Slater, 1990; Avlonitis and Gounaris, 1997). The two managers indicated, using a five point scale, the firm's performance in comparison with their main competitor (1: much worse, 5: much better), as well as the degree of the firm's satisfaction (1: very unpleased, 5: very pleased), for each one of the four performance criteria. Two CFAs (one for each manager) were conducted in order to assess the reliability and validity of this reflective measure, as shown in Table 1. Independent samples t-test indicated no significant differences in the opinions of M&S regarding company performance managers (Marketing managers mean=3.21 / Sales managers mean=3.20 / t=0.60 / ns-p>0.01). Thus, the mean value of four summated scales, two from each manager and from each company, was computed and was used as a composite measure of company performance (mean value=3.21, Std.dev.=0.91).

ANALYSES AND RESULTS

Model Testing

In order to examine the research Structural Equation Modelling (SEM) was conducted as

Table 3. Marketing and Sales Managers Perceptions Regarding Their Company's Strategy				
Group 1 - Consistency Group 2 - Inconsistency		ency		
prospector	68 (65%)		prospector-analyzer	18 (67%)
analyzer	24 (23%)		prospector-defender	3 (11%)
defender	13 (12%)		analyzer-defender	6 (22%)
N=132	N=105 (80%)			N=27 (20%)

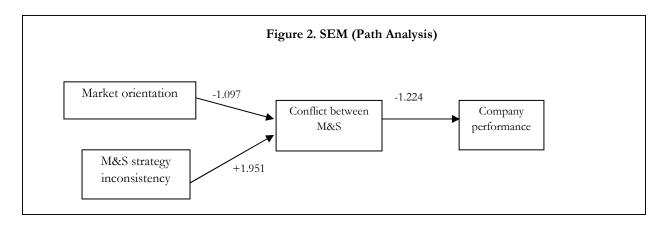
Table 4. Research Model				
	Marketing-Sales Conflict	Company Performance		
	B (unstandardized) / (t-statistic)	B (unstandardized) / (t-statistic)		
Market Orientation	-1.097 / (t=2.189*)			
Strategy Inconsistency	+1.951 / (t=1.168*)			
Marketing-Sales Conflict		-1.224 / (t=4.964*)		

Estimation procedure: GLS

latent variables: market orientation, marketing-sales conflict, company performance categorical variable: strategy consistency

* significant at the 0.05 level

Fit indices: TLI=.934 / CFI=.948 / GFI=.948 / RMSEA=.051 / x^2 = 632.112 / df = 2/ p = 0.0000



shown in Table 4 (path analysis). Using standard procedures for correlations between categorical variables (strategy consistency/inconsistency) continuous latent variables (market orientation, M&S conflict, and company performance) we adopted the Generalized Least Squares (GLS) estimation procedure (Lee, Poon, and Bentler, 1992). The result of this analysis is significant at the 0.05 level and overall suggests that (a) market orientation has a strong negative impact on the level of conflict between M&S, inconsistencies in the perceptions of M&S managers regarding their company's strategy is enhancing the level of conflict between M&S departments, and (c) the level of this conflict has a strong negative impact on company performance. Thus, hypotheses H1a, H2a, and H3 are confirmed. Figure 2 depicts the results of the SEM analysis.

Examination of the Marketing-Sales Conflict as a Mediator in the Model

The relationship between market orientation and company performance

Prior studies have shown that market orientation can have a direct effect on company performance (e.g. Avlonitis and Gounaris, 1997; Jaworski and Kohli, 1993; Slater and Narver, 2000). In this paper, we examined the mediating role of M&S conflict in the relationship between market orientation and company performance by following the standard three-step procedure of mediation analysis (Baron and Kenny, 1986; MacKinnon, Lockwood, and Hoffman, 2002). Firstly, two SEMs were conducted as shown in Table 5 and depicted in Figure 3. The first SEM examines the impact of market orientation on M&S conflict as well as the impact of M&S conflict on company performance; whereas the second SEM includes, in addition to these

Table 5. The Mediation Effect of Marketing-Sales Conflict				
Marketing-Sales ConflictB Company PerformanceB (unstandardized) / (t-statistic) (unstandardized) / (t-statistic)				
Market Orientation	-1.128 / (t=0.115*)			
Marketing-Sales Conflict		772 / (t=0.146*)		

SEM1 - Estimation procedure: ML

latent variables: market orientation, marketing-sales conflict, company performance

* significant at the 0.05 level

Fit indices: TLI=.957 / CFI=.988 / GFI=.959 / RMSEA=.049 / x² = 365.985 / df = 133 / p = 0.0000

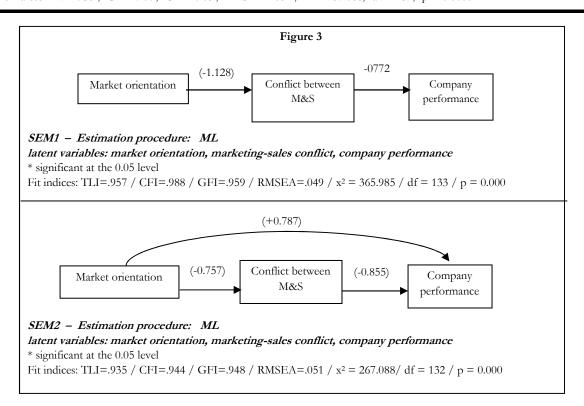
	Marketing-Sales ConflictB	Company PerformanceB
	(unstandardized) / (t-statistic)	(unstandardized) / (t-statistic)
Market Orientation	757 / (t=0.375*)	+.787 / (t=0.568*)
Marketing-Sales Conflict		855 / (t=0.447*)

SEM2 - Estimation procedure: ML

latent variables: market orientation, marketing-sales conflict, company performance

* significant at the 0.05 level

Fit indices: TLI=.935 / CFI=.944 / GFI=.948 / RMSEA=.051 / $x^2 = 267.088$ / df = 132 / p = 0.0000



relationships, the direct effect of market orientation on company performance. Secondly, we calculated (a) the chi-square difference between the two models (Δx^2 =98.897), and (b) the percentage value of chi-square distribution (x^2 =6.64 / df=1 / p<0.01). Finally, the comparison between the afore-mentioned (a)

and (b) indicates that the M&S conflict is a partial mediator in the direct relationship between market orientation and company performance, because (a) is greater than (b). Thus, it seems that a reduction in the level of M&S conflict through the implementation of market orientation is enhancing the direct

Table 6. The Mediation Effect of Marketing-Sales Conflict			
	Marketing-Sales Conflict B / (t-statistic)	Company Performance B / (t-statistic)	
Strategy inconsistency	+.318 / (t=0.357*)		
Marketing-Sales Conflict		624 / (t=0.468*)	

SEM1 - Estimation procedure: GLS

latent variables: marketing-sales conflict, company performance

categorical variable: strategy inconsistency

* significant at the 0.05 level

Fit indices: TLI=.941 / CFI=.968 / GFI=.956 / RMSEA=.050 / $x^2 = 179.584$ / df = 102 / p = 0.0000

	Marketing-Sales Conflict B (unstandardized) / (t-statistic)	Company Performance B (unstandardized) / (t-statistic)	
Strategy inconsistency	+.882 / (t=0.479*)	730 / (t=0.588*)	
Marketing-Sales Conflict		872 / (t=0.569*)	

SEM2 - Estimation procedure: GLS

latent variables: marketing-sales conflict, company performance

categorical variable: strategy inconsistency

* significant at the 0.05 level

Fit indices: TLI=.931 / CFI=.949 / GFI=.937 / RMSEA=.056 / x^2 = 175.465 / df = 101 / p = 0.0000



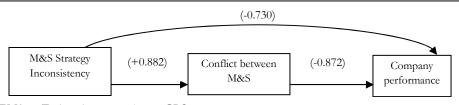
SEM1 - Estimation procedure: GLS

latent variables: marketing-sales conflict, company performance

categorical variable: strategy inconsistency

* significant at 0.05 the level

Fit indices: TLI=.941 / CFI=.968 / GFI=.956 /RMSEA=.050 / $x^2 = 179.584$ / df = 102 / p = 0.0000



SEM2 – Estimation procedure: GLS

latent variables: marketing-sales conflict, company performance

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positive relationship between market orientation and company performance. Consequently, it appears that the enhanced performance of market oriented companies is partially explained through their ability to reduce the level of M&S conflict.

The relationship between strategy consistency/inconsistency and company performance

The same methodological approach for Northern Illinois University

examining mediation (Baron and Kenny, 1986; MacKinnon, Lockwood, and Hoffman, 2002) was adopted in order to examine the mediation effect of the M&S conflict in the relationship between the consistency/inconsistency in the perceptions of M&S managers regarding company's strategy and company performance. Therefore, two SEMs were conducted, as shown in Table 6 and depicted in Figure 4, where the first SEM examines the impact of (a) strategy

consistency/inconsistency on M&S conflict, and (b) M&S conflict on company performance, while the second SEM includes, in addition to these relationships, the direct effect of strategy consistency/inconsistency on company performance. The comparison between the chisquare difference of the two models ($\Delta x^2 = 4.119$) the percentage value of chi-square distribution ($x^2=6.64 / df=1 / p<0.01$) indicates that the M&S conflict is not a partial mediator in direct relationship between consistency/inconsistency and company performance (because 4.119<6.64). Thus, it seems that the negative effect of M&S conflict on company performance is not an element of the direct effect of inconsistencies in the perceptions of M&S managers regarding their company's strategy on company performance. In other words, the above analysis show that inconsistencies between M&S view's regarding company's strategy are hurting company performance regardless the level of conflict between M&S.

THEORETICAL IMPLICATIONS

The present study is one of the very few empirical investigations on M&S conflict, and the only one which base its results on the perceptions of both M&S managers of the same organization, following the pertinent extensive calls of the relevant literature (e.g. Dawes and Massey, 2005; Guenzi and Troilo, 2006; Homburg et al., 2008; Korhmer et al., 2002).

To start with, a major implication of this study is a clearer understanding of the effect of the conflict between the M&S departments on company performance. Our research provides empirical data demonstrating that conflict between M&S have a strong negative impact on company performance. This finding supports the relative normative literature (e.g. Kotler et al., 2006; Meunier-FitzHugh and Percy, 2007; Shapiro, 2002).

Secondly, the literature suggests that M&S effective relationship is one of the components of market-driven organizations (Guenzi and Troilo, 2006; Rouziès et al., 2005). Our findings concur with these results, by indicating that the adoption of market orientation can reduce the level of M&S conflict. Moreover our study provides findings which support the positive relationship between market orientation and company performance (e.g Avlonitis Gounaris, 1997; Cano et al., 2004), placing the M&S conflict as a mediator in this relationship. These findings are highly connected with the consideration of "inter-functional coordination" as a basic component of market orientation (Narver and Slater, 1990). Specifically, it seems that the adoption of market orientation can reduce the level of M&S conflict by enhancing inter-functional coordination and consequently positive effect direct on company performance.

Thirdly, our research empirically demonstrates that a source of conflict between M&S is inconsistency in the managers' perceptions regarding company's strategy. Moreover, it seems that these inconsistencies are hurting company performance regardless of their effect on the level of M&S conflict. These findings support the suggestions made in the literature which highlight the necessity for the strategic alignment of M&S (e.g. Shapiro, 2002).

MANAGERIAL IMPLICATIONS

Besides theoretical implications, the study has several managerial implications. The general implication is that managers should be aware that creating fair relationships between M&S, which are characterized by a low level of conflict, requires changes in the company's culture, as well as people's attitudes and behaviours. These changes will result substantial improvement on important performance metrics.

Specifically, the findings of this study suggest

that the adoption of market orientation, positively affect the relationship between M&S departments by reducing their in-between level of conflict, resulting superior performance. As a consequence the design and management of recruitment, training and compensation should aim at maximizing market orientation.

Moreover, managers should focus on the creation of a clear, unified and explicit strategy between M&S. The lack of alignment between M&S managers regarding their company's strategy seems to be a source of conflict between these two departments and ends up hurting company performance.

Overall, our findings show clearly the need for companies to (a) adopt market orientation, and (b) eliminate any differences in the perceptions of M&S managers regarding their company's strategy, in order to reduce the level of conflict between M&S, and attain superior performance.

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