

Design an Organizational Diagnostic Model Supporting Business Process Reengineering of Vietnamese Companies

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Abstract: This study focuses on designing an organizational diagnostic model to significantly support business process reengineering at Vietnamese companies. Based on referring quality management systems implemented successfully over the world, especially, the framework of Baldrige Performance Excellence in Malcolm Baldrige National Quality Award; European Foundation for Quality Management and Australian Business Excellence Framework, an organizational diagnostic model including ten systems is designed: (1) Leadership; (2) Supporting system of goal achievement in strategic planning; (3) System of responding benefits or value of customer expectation; (4) Improving system of business process capability; (5) Information system, assisting decision making; (6) Variation controlling system in the manufacturing process of main products; (7) System of human resources development; (8) Supporting system for organizational learning and continuous improvement; (9) System of building company image in community; and (10) System of meeting requirements of the main stakeholders. Then, the designed systems in the organizational diagnostic model are adjusted to suit the business environment in Vietnam through focus-group discussing in the seminar with 20 experts who are managers of Vietnamese companies. Overall, this study provides an appropriate organizational diagnostic model in the context of Vietnam which helps Vietnamese companies have a critical picture for self-diagnosing, self-evaluating of their business performance to identify business process reengineering efficiently.

Keywords: Business process reengineering; Business performance; Organizational diagnostic model; Quality management systems; Vietnamese companies

Introduction:

Vietnam's economy has gone through more than twenty years of innovation process when entering into global markets. Changing for surviving and thriving is an inevitable step for operating a business. Currently, Vietnamese companies are undergoing changes to adapt business environment, though, they are struggling to seek out an appropriate business process reengineering roadmap for seizing the opportunities and challenges of the business environment. In order to develop business process reengineering, searching a relevant organizational diagnostic model to gather an essential information and evaluate prevail organizational business performance is required.

Up to date, in literature review, there are various approaches of organizational diagnosis at different countries in over the world. However, those diagnostic approaches have not best fit with the context of Vietnamese companies. Therefore, designing a new organizational diagnostic model in the context of Vietnam for Vietnamese companies is necessary, which this study tackles.

Literature review:

Organizational diagnosis is a very important issue in the field of Organizational Development and Change [5]. There are various diagnostic organizational models dealing with both theory and practice. Each organizational diagnostic approach has advantages and disadvantages as shown in Table 1.

Table 1: Advantages and Disadvantages of organizational diagnostic approach

organizational diagnostic approach						
Approach /Focus	Advantage	Disadvantage				
Leavitt's organizational diagnostic model [7] -The organization as the object of change, which brings the structural and the human component of the organization into balance 4 key elements in Leavitt's model: structure; people; task; technology.	-SimpleEasy to understandChange management, production improvement, and decision-making.	-Exclude the impact of the environmentNo input and output variables.				
The Six Box Model [10] -Six significant organizational components are included into the diagnostic model: purpose; structure; relations; leadership; auxiliary mechanisms; and rewardsBalance the importance of formal and informal organizational elementsBriefly perform simple diagnosis.	-Easy to understand and explain. -Identify priority elements to be addressed.	-Simple, dependent relationships between the elements have not clearly definedDo not mention the impact of environmental factors.				
Model 7S [9] -The necessity of treating an organization as a complex system comprised of hard, or formal, and of soft, or informal, elementsThe following aspects in	-Explain why innovation is always a complex set of processesThere are connections	-Too simpleUndefined input and output variables.				

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the diagnosis while	among 7					
organizational change						
takes place: strategy;	elements.					
structure; systems; staff;						
style; shared values; skills.	T 12	C 1				
Burke- Litwin diagnostic	-Indicate the	-Complex, so				
model [3]	cause-effect	difficult to				
-Balance the hard and the	relationship	practically use				
soft organizational	between	this model for				
elements, and include	internal and managing					
organizational	external	organizational				
differentiation on three	factors of the	change.				
levels: organizational,	organization.	-There are				
group and individual.	-Distinguish	many				
-Need to assess	transformation	variations.				
organizational	and					
effectiveness.	transaction.					
-Consider changes affected						
by which certain factors.						
Nadler & Tushman -	-Highlight	-In long-term,				
diagnostic model [8]	both the	organizational				
-Require systemic	asymmetric	fitness can				
perspective, general	and the	prevent the				
analysis.	appropriate	organizational				
	points.	change.				
	-Consider the	-Take more				
	impact of the	time and cost				
	external	to apply the				
	environment.	complex				
	chvironinent.	model.				
Janićijević's diagnostic	-The balance	- Identifying				
model [5]	between the	and classifying				
2 3		of business				
-Four basic components –	requirements of the					
two static and dynamic, and two formal and		processes should be				
	environment					
informal components.	and company	carried out by				
-Business processes are	resources.	expert groups:				
included in an		CEOs, Heads				
organizational model.		of departments				
-Components in model		or				
emerge from the mission,		consultants				
vision, goals and corporate						
strategy.						
Quality management	-Having clear	-Complex				
system [1; 2; 4; 6]	evaluation	 Many criteria 				
- Overall evaluation of all	criteria; apply					
activities of the	easily.					
organization.						
- The main criteria:						
leadership, policy,						
strategy, people,						
partnership and resource,						
process, results of						
1						
customers, results of						
customers, results of human, results of society,						
*						

Based on the above analysis of the advantages and disadvantages and the dimensions of each organizational diagnostic approach, common components incoherently illustrated in diagnostic models: business process; mission, strategy, organizational structure, systems, organizational culture, people, capability, task; technology... However, the approaching that bases on the quality management system has prominent features in evaluating the overall organizational business performance, having high generality at the

organizational level and facilitating the development of the organizational diagnostic model.

Currently, upon quality management systems implemented successfully over the world, there are some famous frameworks including different principles, such as the Framework of Baldrige Performance Excellence in Malcolm Baldrige National Quality Award; European Foundation for Quality Management and Australian Business Excellence Framework [1; 2; 4; 6].

Therefore, it is necessary to design a new organizational diagnostic model with systematic view of organizational business performance; which can help Vietnamese companies identify business process reengineering efficiently.

Methods:

This study is conducted by (1) reviewing the literature of Organizational diagnosis, Business process reengineering, and Organizational Change Management and (2) focus-group discussing in the seminar with experts in this field.

Results and Discussion:

By literature review, the organizational diagnostic approach upon quality management systems implemented successfully over the world, especially, the Framework of Baldrige Performance Excellence in Malcolm Baldrige National Quality Award; European Foundation for Quality Management and Australian Business Excellence Framework [1; 2; 4; 6] are referred to design a new organizational diagnostic model including ten systems. The principles and the dimensions corresponding to each system are modified and classified on the basis of their value of content. Then, the designed systems in the organizational diagnostic model are adjusted to suit the business environment in Vietnam through focus-group discussing in the seminar with 20 experts who are managers of Vietnamese companies. Finally, the designed organizational diagnostic model including 10 principles (systems) is as shown in Figure 1. Each principle focuses on evaluating every important aspect of the business, specifically as follows: (S1) Visionary leadership system; (S2) Supporting system of goal achievement in strategic planning; (S3) Customer Driven Excellence system (S3a:system of responding benefits or value of customer expectation; S3b: customer relationship); (S4) Improving system of business process capability; (S5) Information system, assisting decision making; (S6) Variation controlling system in the manufacturing process of main products; (S7) System of human resources development; (S8) Supporting system for organizational learning and continuous improvement; (S9) System of building the company image in community; and (S10) System of meeting requirements of the main stakeholders.

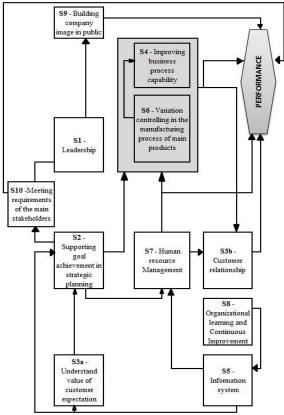


Figure 1: Designed organizational diagnostic model

The ten systems in the designed organizational diagnostic model in Figure 1 have interconnections which are explained as follows.

Table 2: Analysing interconnections among systems in the designed organizational diagnostic model.

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	(0 + 10) 1 1 1 1 1 1 1 1
	os (System-10) helps regulate the action plan in ystem-2.
	nging in products/services in System2 can affect
	argeted customer groups and the market identified
	e System-3.
-Kno	wledge of the targeted markets and customer
	os (System-3) is used to design strategies of
mark	et position (System-2). Needs and expectations
	ustomers leading to their buying decisions
	em-3) are used for the analysis in System-2.
	ey element of the action plan is measurement to
	progress towards goals. The action plan
	em-2) is used to select the criteria of evaluating laily activities and firm's business performance
	em-5).
, ,	a collection and analysis methods in the System-5
suppo	
	data analysis results in the System-5 are used to
	t the action plan (System-2).
	action plan can directly change according to the
4&6 manu	facturing business process.
	ging and adjusting processes (System-4 & 6)
	ort the strategic goal achievements (System-2).
	short-term and long-term workforce planning in
	system-2 is developed into specific action plans
	h effect on designing and redesigning system of
	in resources development (System-7). The action is used to set working objectives and to recognize
	s contributions in achieving the established
	n plan.
	nan resource planning is input to recruit new
	oyees for achieving the whole business
strate	egies.
3b↔ -The	preferred characteristics of the products or
	ces are designed upon customer needs (System-3)
	ed to determine the requirements for controlling
	tion in the manufacturing process of main
	acts and improving process capability (System-4
	stem-6). results of variation controlling and capability
	ovement (System-4 & System-6) are present in
	pecific products/services which are measured by
	mer satisfaction.
	collection and analysis methods in the System-5
5 help	to collect the necessary data about customers
	h is described in the System-3.
	results of data analysis (System-5) help to adjust
	ata collection plan about customers (System-3).
	collected data (System-3) is a basis for improving
	ata collection and analysis methods designed in ystem-5.
	benefit of knowledge sharing across systems is
to ce	apture and disseminate knowledge which the
system	m itself is not sufficient to ensure the sharing of
	reledge in the whole enterprise. The knowledge
	ng environment is affected by designing of
mana	gement systems consolidating performance. An
inform	mation system in the company is a basis for
	gthening this environment.
	organizational knowledge area requires the
sharii	
	ng of information and knowledge. If the working
	onment is not suitable, it is difficult to make the
sharii	onment is not suitable, it is difficult to make the ng happened. The working environment in the
sharii Syste	onment is not suitable, it is difficult to make the ng happened. The working environment in the em-7 has a major impact on sharing of
sharii Syste infori	onment is not suitable, it is difficult to make the ng happened. The working environment in the em-7 has a major impact on sharing of mation and knowledge.
sharii Syste infori 5↔8 -The	onment is not suitable, it is difficult to make the ng happened. The working environment in the em-7 has a major impact on sharing of mation and knowledge. quality of data and information, such as precise,
sharii Syste infori 5↔8 -The reliab	onment is not suitable, it is difficult to make the ng happened. The working environment in the em-7 has a major impact on sharing of mation and knowledge. quality of data and information, such as precise, ole, updated is the vital input of the data
sharii Syste infori 5↔8 -The reliab collec	onment is not suitable, it is difficult to make the ng happened. The working environment in the m-7 has a major impact on sharing of mation and knowledge. quality of data and information, such as precise, ole, updated is the vital input of the data action process to monitor and analyse activities,
sharii Syste infori 5↔8 -The reliab collec firm's	onment is not suitable, it is difficult to make the ng happened. The working environment in the em-7 has a major impact on sharing of mation and knowledge. quality of data and information, such as precise, ole, updated is the vital input of the data

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In comparison with prior approach, the above designed organizational diagnostic model addresses most important aspects of organizational business performance (Table 3). Overall, the core values and concepts of the above designed organizational diagnostic model for firm's business performance excellence are business principles to efficiently enhance their competitiveness.

Table 3: Organizational diagnostic model comparison

Table 5. Organizational C	mag	1103	uc.	11100	ici c	OIII	pari	3011
Reference	[7]	[10]	[6]	[2]	[8]	[5]	[1;2;4;6]	*
Approach Dimension	Leavitt	Weisbord	Waterman et al.	× Burke& Litwin	× Nadler &Tushman	× Janićijević	Quality systems	This study
Environment					X			X
Purpose, mission		X	X	X		X	X	X
Strategy			X	X	X	X	X	X
Structure	X	X	X	X	X	X		X
Technology	X						X	X
Systems		X	X	X	X	X	X	X
Tasks	X			X	X			X
Motivation				X				X
Culture (values)			X	X		X		X
Atmosphere				X			X	X
Leadership style		X	X	X		X	X	X
People: capabilities, needs	X		X	X	X	X	X	X
Human relations		X			X	X	X	X
Physical conditions							X	X
Performance				X	X	X	X	X
Business processes						X		X

Conclusion:

diagnostic model including ten systems: (1) Leadership; (2) Supporting system of goal achievement in strategic planning; (3) System of responding benefits or value of customer expectation; (4) Improving system of business process capability; (5) Information system, assisting decision making; (6) Variation controlling system in the manufacturing process of main products; (7) System of human resources development; (8) Supporting system for organizational learning and continuous improvement; (9) System of building company image in System of meeting community; and (10) requirements of the main stakeholders.

Overall, this study provides a new organizational

Regardless of whether an organization is working toward any interested in improving business performance, the designed model can help Vietnamese companies have a critical picture for self-diagnosing, self-evaluating of their business performance. From which, Vietnamese companies can understand and critically review their current business practices and processes, analyse their practices, compare them to world—class practices, and identify significant changes for achieving business process reengineering efficiency in their overall

business performance. Besides, this model is also the basis for Vietnamese companies to promote an awareness of performance excellence by designing organizational improvement and transformation for achieving increasingly vital quality, productivity in a competitive edge.

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