

REENGINEERING AND QMS OF PROCESSES IN FUNCTION OF DEVELOPMENT TO EXCELLENCE A COMPANY

Prof. dr Miodrag Bulatović
Mechanical faculty, University of Montenegro
Cetinjski put bb, 81000 Podgorica, Montenegro
bulatovm@yahoo.com

ABSTRACT

Theorists and practitioners of quality sometimes "forget" basic object and subject of quality- BUYERS, dealing with different problems, as quality, causes and limits of quality improvement, combinations of standards etc. If we want to leave behind that situation, it is necessary to change behaviour of all business factors, or reengineering, according to processing model of quality system. If it results with buyer's satisfaction, one of the basic conditions for business success is accomplished.

In this paper, process reengineering is priority, as well as management re-engineering, project reengineering, all in function of quality.

Keywords: buyer, management reengineering, business excellent and self-valuation.

1. INTRODUCTION

It is very important to have modern factors of development in our mind when we discuss about progress. That is postulate **of market**, as **the only valuator** of successful project realization in development system.

The market is a personification of customer and everything behind it that conduce excellence. Excellence is defined throughout needed level of quality and necessary reengineering process.

If we know that reengineering and quality is base of the modern development, conditions for modern development are:

- implementation of JUS ISO 9001-2000 standard
- reengineering of all business processes, management and projecting on processing principle
- excellence in function of buyers pleasure
- evaluation to self-valuation

2. DEMANDS OF ISO 9001/2000 STANDARDS

JUS ISO 9001-2000 standards define basic process model with connection between customers demands and pleasure throughout four modules:

- managements responsibility
- resources managing
- realization of products
- measuring, analyzing and improvement

In mosaic of criteria and forms (quality system, reengineering, business excellence), buyers are on the central place, as a mover, valuator and CUSTOMER.

3. PROCESS REENGINEERING

Reengineering is a big project of any company with important goal to improve significant characteristic of key process by using simple possibilities. It actualizes buyer's expectation. Process is different jobs flow that turns buyer's wishes into real value.

Then, these values start to raise and change throughout many companies' function (Figure 1).

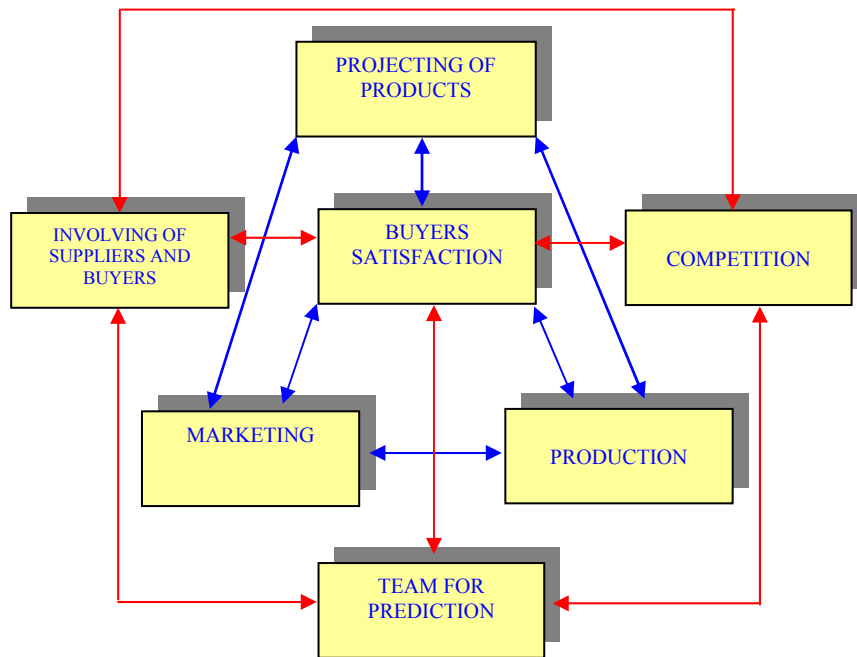


Figure 1. Interaction of influent factors in reengineering process

Figure 2. show “3x3 principles” in engineering process.

We must not forget gratitude to the team that successfully realized all reengineering requests.

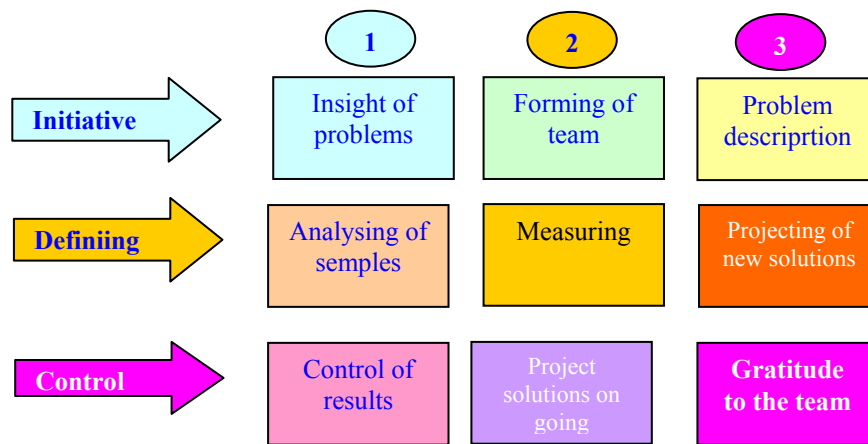


Figure 2: Principle 3x3 in reengineering process

3. MANAGEMENT REENGINEERING

In recent times, when knowledge about managements' significance have real dimension, there are certain need of finding the best way of management organization. Management reengineering has its own space between two extreme variants of organizing: classic (or hierarchical) and network or team approach. Those two ways show important differences and both are used in different business systems, successfully or not.

It is very characteristic that lieder manager never lose leading role. Instead, way of managing of business system is changing. Therefore, management stops to be effective by setting up tasks to the lower levels in organization.

Managers have to be open for suggestions in process of making decision. Figure 3. show reengineering flow, from hierarchical to network approach in management organization, with flattened organization in the middle. It is less authoritatively management with wider circle of associates.

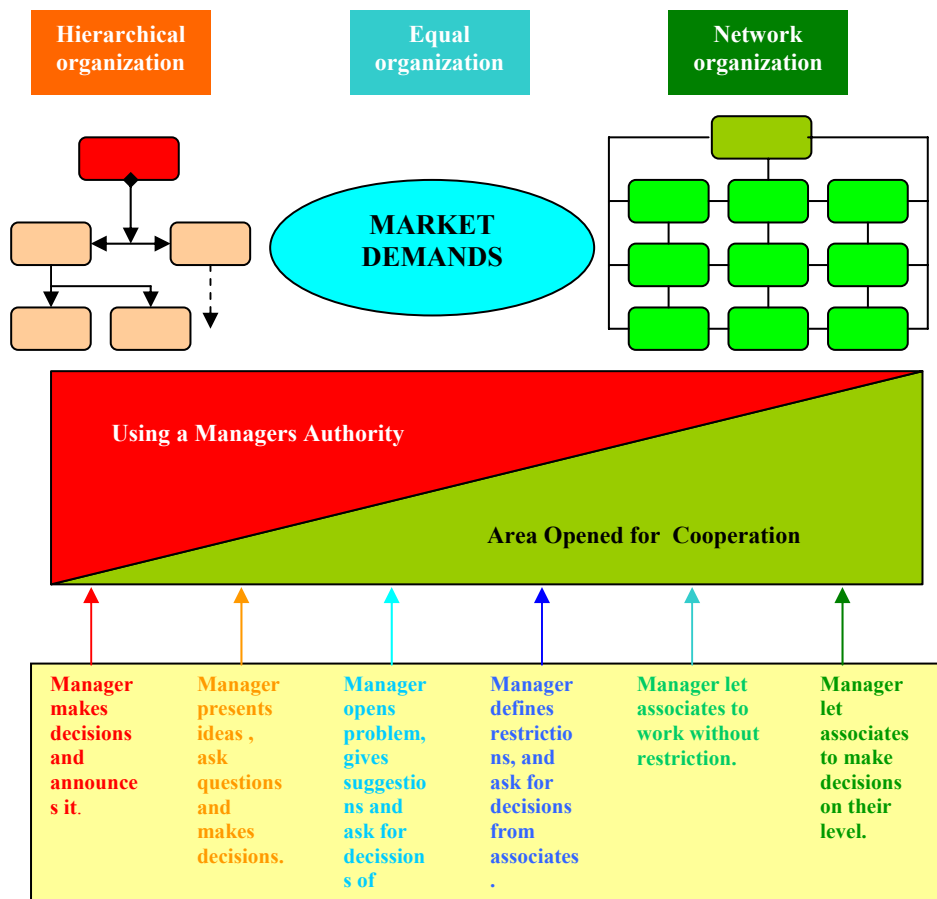


Figure 3: Management reengineering phase

Digression from traditional management organization in direction to team organization becomes evolutionary. It is evolution from industrial organization to informatics organization and it is, from modern process aspect, road to efficient capture of market, satisfied buyers and business excellence (Figure 4).

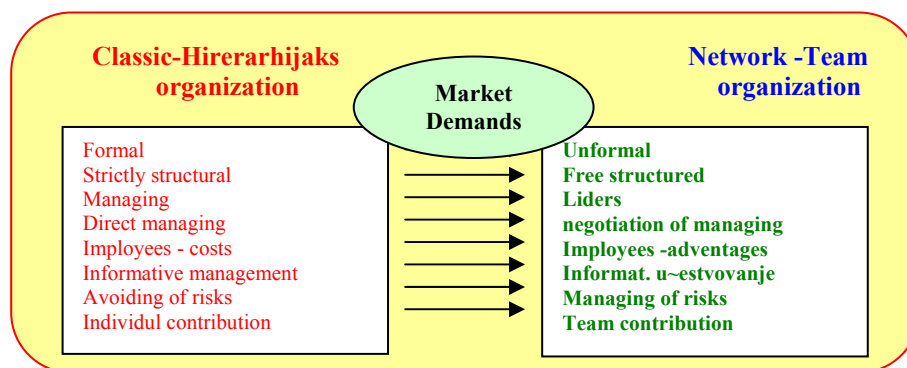


Figure 4: Reengineering of organization in function market demands

When we achieve planned goal by using reengineering, activities are focused on improving of accomplished performances that make buyers satisfied.

It is "responsibility" of buyer who stands on quality, who accepts only excellent quality of products. In that case, responsible management uses reengineering to achieve important improvement of its business system. Management want to achieve further improvement by using program QMS. Compatible engineering and QMS consist in buyer's satisfaction.

4. IMPROVEMENT OF BUSINESS RESULTS IN FUNCTION OF QMS

In the beginning, process of initiation and improvement of quality system is tame taking. Latter, when company achieve basic reengineering activities (R) and results begin to stagnate (BR), further improvement and full affirmation of reengineering have to be supported by maintaining a development of quality system (QMS). It is shown on diagram (Figure5).

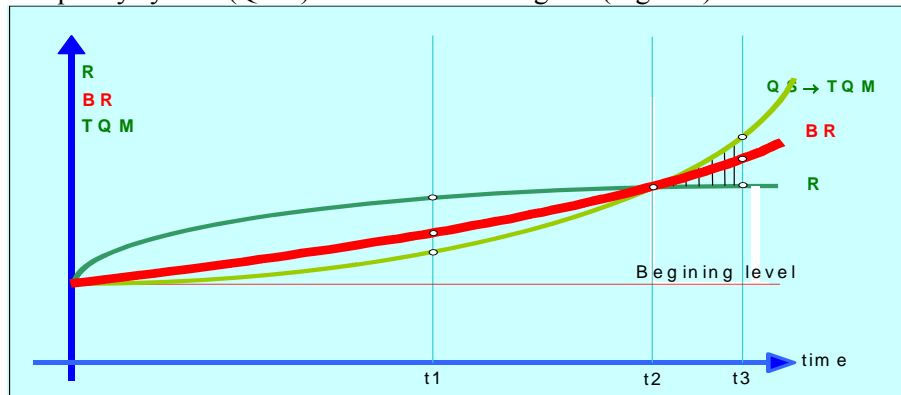


Figure 5: Diagram of business system development and improvement

Quality system will enable optimal reengineering results. Furthermore, quality system initiates need of reengineering, by using ISO 9001, ISO 14000 and other standards.

Reengineering spirit makes things different – quality spirit makes things better.

7. CONCLUSION

Thematic hypothesis can be integral transmitted in conclusion. It means that reengineering and quality are basic postulates of modern development

This paper confirms that, behind two basic postulates, existed whole complex of demands and detailed studying of development causes and validity condition.

Reengineering and quality work upon ability of organization to reach needed excellence, of course - on different ways.

8. REFERENCES

- [1] Bulatović, M., Dašić, P., REENGINEERING AND QMS PREMISES OF DEVELOPMENT TO EXCELLENCE, Journal Modeling and optimization in the machines building fields - MOCM-13, ISSN 1224-748, Volume 1, (72-78), Romanian Technical Sciences Academy and University of Bacau, 2007.
- [2] Bulatovic, M. QUALITY AND REENGINEERING – POSTULATES OF DEVELOPMENT TO EXCELLENCE, Quality week, “Business Policy” (“Poslovna politika”), Beograd, 2002.
- [3] Cochran, D., Chu, A., MEASURING MANUFACTURING SYSTEM DESIGN EFFECTIVENESS BASED ON THE MANUFACTURING SYSTEM DESIGN DECOMPOSITION, III World Congress on Intelligent Manufacturing Processes & Systems, Cambridge, MA, USA, 2000.
- [4] Turban, E, McLinea, E, Wetherbe, J. INFORMATION TECHNOLOGY FOR MANAGEMENT (IMPROVING QUALITY AND PRODUCTIVITY), University of Minnesota and University of Memphis, USA, 1998.