

# Complete guide to improving system operability

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## Abstract

This study is devoted to the development of skills, which allow you to apply the means of reproduction to the entire process by preventing the spread of false information about the system. Thus, the organization is in its neutral state, where destructive forces under the influence of external risks, do not pose a threat to the organization.

**Keywords:** destructive forces, pressure, stability loss, analysis, correction, testing, synthesis, improvement

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## 1 Introduction

Analyzing the pattern of deviations makes it possible not only to develop means of neutralizing the reasons for destruction of the system, but also to find the right tools for unlocking the hidden potential of the organization. During research, it was found that superficial diagnosis of defects which attempts to justify them, contradicts the development of skills for analyzing complex problems of the organization. The discovered contradiction allowed for identification of the research problem, which can be summarized in the following statement: "It is impossible to draw objective conclusions about the state of the organization, whilst having an incomplete set of characteristic signs of a problem as well as without fundamental mechanisms for detecting and establishing, viable performance standards". When such standards are present, continuous changes will not interfere with the current operations of the organization.

## 2 Nature and Purpose of the Methodology

In the selection process of the object of study, it was determined that strict adherence to the guidelines for maintaining the emergence qualities of the system throughout the organizations' entire life cycle ensures that the organization can achieve its specified goal. Additionally, the goal of the study is to develop a procedure to quantify the benefits of continuous improvements and corrections to the system, with a focus on confirming the efficacy and

reliability of such changes. In accordance with the goal, the following tasks were put forward:

1. Conduct an analysis on the current disturbances, which result in the functioning instability of the system.
2. Selection of a method for bringing back the organization from its unstable state.
3. Implementation of the medium-term development scenario for the organization, in accordance with the consolidated changes.
4. Development of a prospective report, based upon the actions of individuals involved in the operation of the system, whilst generating effective proposals that go beyond the desired goal.

Practical results show that the developed maintenance program allows not only to preserve the emergence of the system during the introduction of innovations, but also to ensure its efficacy without a decrease in performance standards.

## 3 Conclusion

The novelty of the study lies within the implementation of changes in the organization, which improve the quality of service from version to version without a loss in the functionality of the system. Thus, this elevates the level of system maintenance, whilst maximizing its resistance to external factors due to the continuous search for hidden control levers within the organization.