Verbal model of the process of resource distribution with the application of the extractive planning of an enterprise of criminally executive system

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Abstract. The article defines the goals and discusses the principles for the formation of control circuits for managing an MIS enterprise. The contours of operational and financial planning, the general scheme of extrapolatory planning of MIS enterprises are considered. A theoretical information contour has been developed for coordinating the distribution of resources based on the goals of the enterprise’s commercial activities.

1. Introduction

Important resources of penal correction system (PCS) are material, labor, information and financial. The content of the prison system in General, and in particular the State convicted spends quite a lot of money. If we consider all of the requirements to the content of the convicted person, as places of detention, then the content of one convict is costing the country more than 600 thousand rubles per year. It is much more than in most European countries. This situation hinders the process of reform, and, therefore, requires the adoption of positive measures. However, the cost of the State on the penal correction system (PCS) continues to grow.

In this regard, there is a real need for the most efficient use of labour, information and material resources with a view to the emergence of additional sources of income, by means of the most rational allocation. And therefore, requires conversion of the entire resource allocation system as a whole.

Under resource allocation will realize one of the main management subsystems: the compilation of information-theoretic contours coordinating the distribution of resources and activities within the framework of intellectual support when making management solutions designed to optimize the allocation of resources of an entity at the time [1].

Organization, methods of verification, as well as the process of distributed resources accounting in General and in particular planning process, institutions of the penal correction system has a mass of specific features.

At the moment, owing to the lack of clear and effective system of resource allocation, it is not possible to determine the most effective directions of their use, since it is not possible to differentially evaluate the reasons for the deviations of the actual indicators from planned results: can cause in the inefficient use of the above resources, or maybe the lack of quantity or violation of accounting [2].
To solve these problems, it became necessary to adapt the existing distribution systems under sectoral peculiarities of penal correction system.

The purpose of the article is to establish criteria and model description and evaluation of the resource allocation system penal correction system, sensitive financial and economic, industrial and other activities of the penal correction system to accommodate the actual figures deviate from planning at all stages of project's realization. This system must satisfy the requirements of the law, be as transparent to the analysis of the results of activities for any time period.

2. Model of task-oriented resource allocation system penal correction system

With a view to establishing clear-cut activity at the enterprise penal correction system you must implement a system controlling the allocation of resources.

The process of allocating resources institutions of the penal correction system includes several stages considered in Figure 1.

**Diagram of distribution of resources of establishments penal correction system.**

![Diagram of distribution of resources of establishments penal correction system.](image-url)
Model of problem-oriented enterprise penal correction system resource allocation system is a set of contours based on industrial relations and structural device in the enterprise. When embedded in practices it is advisable to consolidate the resource allocation system internal regulatory documents.

Based on the results of the production cycle of agency reports, which include information about the direction of the allocation of resources. This information is essential in the adjustment process targets the activities of agencies [3].

Unfortunately, at the moment there is no perfect system for resource allocation planning extrapolatory, allowing reasonably make correct decisions while minimizing risks through structured and comprehensive information. The main task of the resource allocation system enterprises is to increase effectiveness of the penal correction system resources allocated to achieve maximum results.

3. The composition of the contours of the resource allocation system

The existing resource allocation process institutions of the penal correction system as simple as possible (Figure 2). This algorithm is understandable to all stakeholders and is easy on the stage of planning and implementation, but it has some drawbacks. The main drawback is the lack of information on the causes of deviations the actual performance of institutions from planned and lack of ability to take corrective measures in the planning phase. Completeness analysis of obtained data can also deviate from the ideal [4]. Accordingly, further decisions involve weighing the risks.

![Figure 2. Structure of resource distribution of enterprise penal correction system.](image)

Systematic analytical approach considering distribution as a tool for resource management of the enterprise, which provides a correlation functional areas of project activities (finance, production, procurement, sales information, investment) for best results, the current objectives of the production system. Remaining so for enterprises penal correction system as a whole in managing individual projects, this approach becomes its own specific features that distinguish it from the common definition. These features are primarily alternativeness levelling control project activities, which involves compilation and analysis of multiple versions of system paths for the different stages of project management [5]. In view of this, the process of allocation of resources, on the one hand,
acquires additional functions and, on the other hand, those, being dismembered on some specific contours.

In order to implement the above functions appropriate to use world resource allocation system consisting of the following paths: operational, contains projections of activity of the enterprise and providing management of projects in their planning phase; the current, a set of ongoing reporting enterprise; information-theoretic path coordinating distribution, providing resource management projects in the development phase of their intent, that is the definition of their objectives, tasks and concepts.

With the aim of overcoming the above shortcomings and realizing the main functions of the resource distribution (Figure 3) has developed a model of task-oriented resource allocation system penal correction system, including three circuit [6].

![Figure 3. The function of the resource allocation system of the enterprise PCS.](image)

Thus, the proposed process of circuit resource allocation that allows you to track the complex distribution of resources over time, to generate income and control system using all kinds of resources, i.e. organise operational responding to deviations of performance and redistribution of resource flows in the right direction. Contour structure is presented in Figure 4.

To draw up the operating budget is the planning and control of results of activity of the enterprises of the penal correction system, because the operating budget is a model of managerial activities, describing the technical language process functioning of the enterprise. During the planning phase are determined by the resources required to achieve the planned results [7].
Empowering the distribution power of the head of the project is carried out through operational path. Data powers involve bearing responsibility for the result of the activity of the enterprise, propelled by profit, revenue and expenditure throughout the implementation of the project activity [8]. In the process of planning correctly plans allocation of resources in the context of certain rules that are
calculated depending on the planned project income, play a leading role. In case of any deviations from the plan, scheme for the allocation of resources should be promptly adjusted.

A set of operational and current paths determined by the Manager of the company and may vary depending on the specific economic activities.

Information-theoretic outline is drawn up with a view to identifying long-term objectives, ways to achieve them, being essentially a means of informational support of management decisions, contributes to increasing the competitiveness of Enterprise, development of new directions of activity, development of product markets. Decisions are based on the analysis of collected data in addition to the internal state of the manufacturing process, the status of external competition Wednesday: indicators of occupational risks, the results of marketing research markets the marketing of the products produced, etc. [9]. From operating and current information-theoretic path is less detailed and long-term period.

The scope of information-theoretic path coordinating the allocation of resources is vast and includes trend realization the production process within a certain period of time, while operating and current paths more narrowly sent and include only aspects of [10, 11].

Extrapolatory penal correction system development planning in the long term entails the compilation of information-theoretic path that helps ensure project resources for a longer period. It is made by certain periods (year, six months) with a view to a more detailed track achievement of company goals [12]. The overall scheme of extrapolatory it is possible to describe planning flowchart (Figure 5).

![Figure 5. Scheme extrapolating planning PCS.](image-url)
4. Conclusion
This article has developed a system of allocation of resources, taking into account the specifics of the penal correction system that allows to take into account the deviation of actual performance against planned at all stages of project’s realization. In addition, reviewed all the contours of the relationship system segments at all levels in the Organization of the full system resource allocation enterprise.

Implementation of the proposed model of problem-oriented resource allocation system has a number of advantages: allows you to divide the planning process the project activity into several constituent parts, which simplifies the process of resource allocation, allowing you to correlate it with reasonable amount of all available enterprise resources; feedback system consisting of three proposed paths allows you to quickly respond to deviation from planned indicators obtained by adjusting the distribution process through it’s reorientation in the area; allows all stages of project implementation to compare the results of the activities with the chosen algorithm action by making real-time adjustments in project development and appropriate amendments to the distribution process.

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