



BUSINESS ANALYSIS IN THE PROCESS OF PROCESSING ECONOMIC INFORMATION

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Annotation: *This article presents an opinion on the use of business analysis systems from the process of economic information processing.*

Annotasiya: *Ushbu maqolada iqtisodiy axborotlarni qayta ishlash jarayonidan biznes tahlil qilish tizimlaridan foydalanish to'g'risida fikr keltirilgan.*

Аннотация: *В данной статье представлено мнение об использовании систем бизнес-анализа в процесс обработки экономической информации.*

Key words: *information system, technologies, automation, mechanism, program, information.*

Kalit so'zlar: *axborot tizimi, texnologiyalar, avtomatlashtirish, mehanizm, dastur, ma'lumot.*

Ключевие: *информационная система, технологии, автоматизация, механизм, программа, информация.*

Introduction. An economic information system is a set of technical software and organizational measures designed to automate information processes in professional activities. The profession of an automated information system provides for the introduction of some information technology for data processing in the process of activity. It is necessary to create a comprehensive information system based on the use of modern information technologies for the preparation, receipt, processing, transmission, accounting, control of economic information in order to improve the efficiency and quality of economic facility management, as well as to analyze the economic activities of the enterprise. The purpose of the course project is to automate the economic data processing system. To achieve this goal, it is necessary to solve the following tasks:

- A. Determination of the purpose of an automated information processing system;
- B. Consideration of the requirements and structure of economic systems of information processing;
- C. Determination of the overall structure of the object;
- D. Database creation;
- E. Describe the domain model.



The purpose of an automated information processing system. When considering the automation issues of control systems, first of all, we need to clarify the automation, that is, the automation objects

Main part. To determine the objects of automation, it is necessary to analyze the process of operation of the enterprise. As a result of the analysis, a description of the data processing process should be obtained in the control system, the elements of this process are determined. In solving any management task, the analysis of the information processing process allows you to distinguish three types of interconnected information, which involves the implementation of a specific mechanism for processing the information entered into it into a certain result and is carried out individually by officials. The daily labor activity of a person will be associated with the reception and collection of information about the external environment, the identification of information necessary for solving various issues, the implementation of such actions as processing.

For this reason, both the above set of actions, the methods of their implementation serve as the basis for the creation of Media Information Systems (at). The main purpose of Information Systems is to provide users with information that concerns the relevant area. The creation of donations resulted in opportunities to generate automated information systems (AATS). Currently, the development of AAT is carried out in two directions. The first direction is the formation of Information Systems based on autonomous files. The scope of such a horse is bounded and has a simple structure. They are formed from a set of programs that perform the processing of a set of autonomous files as well as the actions of extracting documents. Such systems have the following disadvantages:

- data duplication;
- file maintenance complexity;
- difficulty working together with files;
- data dependence of programs, etc.

The second direction is to form a database. It, generated from a database, serves a set of users, and the above systems are becoming very common. The activities of AAT are related to the collection and processing of information. Information that is being entered into the system and given to the user is formed in the form of documents. For this reason, the document is a material object and consists of a collection of information formalized on the basis of a certain procedure.

While people and technical means are considered as sources of information in AAT, different users as consumers can be divided into three groups: System Administration, programmers and end-customers. The application of users to AAT is carried out on demand. The request is a seasonized message, which displays the conditions for searching for the relevant information and the tasks that must be performed on them. Acceptance and entry of requirements, execution of the indicated actions, preparation of relevant information and presentation of the document to the user in the form of a document are the main stages of any AAT work activity.

Currently, AATS are used in various areas of human activity, for example, in the management of branches of the national economy, in the management of R & D, in the design of the marif field. This uses one of the following two methods: autonomous use of AAT. In this case, the AAT is not part of another system, but operates independently. Examples of this are, for example, ready – made and iron Mane ticket sales systems ("Sirena", "Express"), information and search engines preparing relevant documents on demand, etc. The use of AAT as a component of a high-level control system.

In this case, the generated outgoing data is also used in the activities of other elements of the system. Examples of such AAT are, for example, information and training systems, automated design



systems, automated control systems. The documentary information search system performs the storage and processing of documented data. Library activities

Automated system is an example of HAQT. The factographic information search system is used in the storage and processing of digital and text data. The bulk of the AAT being established is an example of a FAQT type system. According to the method of data processing, AAT is divided into two parts: the information reference system (AMT) and the Automated Data Processing System (MIAT).

Principles of organizing the economic information processing base. Economic information is a set of modified and processed data that reflects the state and course of economic processes.

A variety of information requirements, an increasing scale of issues and others make a number of requirements for modern horses. Such requirements include: the accuracy of the economic information processing base. As you know, the database forms an information model of the relevant industry. For this reason, the information stored in the MB should be fully and accurately expressed in terms of the state, nature of objects and communication between them. Otherwise organized MB can be risky and cause harm.

The speed of the system is determined by the time of meeting the imposed demand. In this it is necessary to take into account not only the speed of exposure, but also the location of information, search methods, the difficulty of demand and other scientists. The productivity of the system, on the other hand, is determined by the amount of requirements met within a unit of time. Simplicity and convenience of using MB. This requirement is imposed by all applicants who use the system. For this reason, it is also important to create easy, simple and convenient ways to use MB. The system should provide protection of information and programs stored in the database from external influences, foreign users. The development of the system. It is necessary that the structure of the system is constantly guessed with new elements, programs, information arrays are changed and updated.

The MB that meets the above requirements can be organized based on the principles below: the principle of data integration. In the essence of this principle, non-interconnected information is combined into a single database. Thanks to this, the data is presented in the form of information arrays to the Foiler and its applications.

When using information arrays, it becomes easier to control the processes of searching, processing the necessary information, the excess of information is reduced, the maintenance of MB is relieved. The principle of data integrity. Through this principle, the accuracy of information stored in the MB increases, that is, their characteristics and descriptions are fully expressed in the relevant field obaki. The integrity of the data can be compromised by the inclusion of incorrect information or by deleting a certain part of it from memory. Therefore, it is possible to predict the integrity of the MB by controlling the information being entered, constantly checking the data being stored, restoring it using a special system and other activities. The principle of data engagement. In the essence of this principle, All information in the MB is interconnected, representing the relationship between objects. The complex of types of information and the relationship between them forms the logical structure of information.

The principle of insufficient data. In the essence of this principle, the relevant information is stored in the MB as a single copy, and they are interconnected and sufficient to solve the desired issue. For example, in AAT, which consists of autonomous files, some information is duplicated, while in MB their duplication is completely eliminated. The principle of centralization of MB management. To this principle, all functions of Cora data management are assigned to a single management program-



the database management system (MBBT). The effectiveness of the use of AT based on compliance with this principle all processes are carried out through the MBBT. The principle of separating the expression of the economic information processing base from the processes of their processing. According to this principle, the data

Expression is prepared outside of applications and stored in MB. This in turn alleviates the programming process, reducing the amount of information needed for the program. Improves MB keeping etc.

Thus, on the basis of the principles considered above, the composition of MB was created, that is, the interaction between the logical, physical and software elements of AT is developed. The composition of the economic information processing base and its organization. The structural elements of the at are determined through the tasks assigned to it and the nature of the problems to be solved. Accordingly, the main tasks of the database are as follows::

- storage and protection of information;
- constantly changing information (updating, entering new information, deleting excess information, etc.)
- search and selection of data according to user and application requirements;
- processing the detected data and issuing the resulting information in the appropriate way, etc.

As shown above, the information is stored in the database. MB is a set of interconnected data based on a certain order, independent of practical applications. Like any data file, MB is made up of records. The records, in turn, are formed from fibroids. The record is fast and the data exchange between external memories is the smallest unit of measurement in the process, while the field is the smallest unit in data processing. The organization of MB differs from the organization of simple files by the following two characteristics:

- representation of recording fields is stored together with data;
- when searching for data, special methods are used.

With MB operating in the environment of the operating system, it is impossible to perform various actions. For this reason, a special set of applications has been created that work on the basis of the operating system. This complex is referred to as a database management system. MBBT is a set of programs and language tools designed to generate, maintain, and use a database. The main part of the mbbt is made up of management software.

This program automates all processes that depend on establishing communication with MB. As soon as the MBBT starts up, its control program is always in main memory and organizes the processing of requirements, ensures the order of their execution, establishes connections between applications and the operating system. Controls the processes of performing the appropriate actions from MB, etc. The organization of parallel execution of incoming requirements to the MB is the main function of the management program.

The other part of the mbbt is made up of a collection of data processing programs. This collection includes translators (translators), demand and programming languages, editors, service programs, etc. Thus, a databank is made up of several databases, management and applications. These elements play a key role in the performance of tasks assigned to AT. At the same time, the effective functioning of the AT also depends on its supporting elements. This provision includes the following elements. Technical support is made up of MB and technical tools that make it possible to automate the performance of users. Such tools include exposure, external devices, information transportation,



means of transmission, communication networks, subscriber points, etc. Mathematical support-solving functional issues and Managing MB

Conclusion. Is made up of a set of mathematical models and algorithms. Software-MB's performance implementation programs and a service designed to perform various additional tasks will consist of a set of programs.

Information supply-is made up of data categorization and compactification, representation and presentation systems.

Linguistic supply-the languages used in Mbbt, is organized through a set of dictionaries. IC: Enterprise system operation is divided into two processes separated by time: setup (configuration) and the user's direct work to store records or perform calculations.

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