

# THE ASPECTS AND CONCEPTS OF THE INFORMATIVE APPROACH OF THE FUNCTIONAL - INFORMATICS INTEGRATED UNITARY ECONOMIC MANAGERIAL INFORMATION SYSTEM

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**Abstract:** On the positions of the indivisible unity are praised, analyzed and integrated the concepts of organizing, structuring and transformation of the information of unitary economic management system, based on the directly synergy of material and information (situational and decisional) processes. The necessity of informational conceptualization of unitary managerial economic system is argued in the present paper. Also, the basic concepts of the elucidation and functioning of the informative undercompartment are identified. The ensemble of essential criteria of concepts' systematization has been established based on the peculiarities of processing the economic and informatics environments, and a scheme of classification and interconnections between identified concepts has been elaborated.

Key-words: aspects, concepts, informative approach, functional – informatics integration, economic informational system

**1. Introduction:** Because of the essential spacial dispersed character and of size what exceeding the human capabilities physical directly to track and manage the material activities, was invented and used by subject the various varieties of economic information. Very much as, the last permanently accompanying such concerns, for them are own the same peculiarities, being distributed on the considerable territorial rays and evolving in various regimes of working. In formed conditions it requiring the synergistic approach of both the materials and information processes. As a result - of vital importance becoming the examination and the realization of the evolution of both domains on the unitary positions, that is, in the pressing interconnection and interaction, which and constituting the essence of any of content material - informational system.

At the moment, and in unpredictable prospect of the economic material-infor-

mational ambiance is fulfilled out in two environments: functional (of harming of the managerial functions) and informatics (of ensurance of working through agency of technical means and informatics technologies). In order to support the processing and the transition to automatized (automatic) of information from an environment (functional, manually) at another (informatics, automatic) preliminary it soliciting the certain preparatory works what consisting in the making evident, analysis, functional- informatics integration and selection of informatics resources, on the basis of which it can being elaborated and putting into functioning the unitary functional – informatics integrated information system.

The functionality of such system in the regime of real time can being realized in the form of automated operative (of analogue action) of data informative and decisional (intelligent) banks.

**2. Content** Because the informational needs until remaining satisfied only partially, the improvement of the quality of management of the economical materials processes can occur prevalent through the insurance with the more complete and more qualitative information. The last (insurance) depends not only on the "capabilities" of data processing, but also by the level of knowledge and skills of the application of the laws of existence and evolution of the information in daily practice.

From the given reason, it is important of established, which there are the basic aspects and concepts of the evolution and existence of the in-question information and led by them both during the constitution and working of the economic informatics and informational subsystems, of determined the varieties of these aspects, them place and role in the environment of the managerial system of the same category. Thus, in the present and in the long perspective, the situational economic information is obtained, processed and used in the environments of the two domains - in the managerial system and in them processing subsystem. In this sense itself distinguish the following two aspects of the formation and evolution of informational processes:

1) the external aspect, concerning to the information of the managerial system framework;

2) the internal aspect, the framework of which involving the organizing, structuring and processing of the situational information depending on the specific potential of the technical informatics environment.

Be noted that the second appearance neither deviously not fully not covering the integral informational process of the economic unit. Relatively entirely are fulfilled in the internal aspect only only the works of stage of processing of the information, which including the informational, structural procedures and calculus operations. At the same time, the steps of obtaining of values of the primary or initial data and using of the results of them processing until in masse not are through achieved in the given appearance.

The created situation itself explaining of the two main reasons – the unsatisfactory level of functional performances of the

technical means or them absence and the dynamics of the pronounced evolution of the economic objects (processes), which does not allow the bringing in the necessary concordance of its management system with the performance level of working of the material processes. In such circumstances, the initial and final stages of transformation of the economic information mainly have the externally appearance, as them are massive fulfilled in the environment of the managerial system.

Rather, the both aspects are of the presentation order, as through them agency itself creating the possibilities of distinguishing the concepts of presentation, processing, organizing and structuring of the information. Them objective coming from the other aspects, among which in the first of allow are the logical and physical. The last is incident to the physical environment, on which are fixed the values of the information, but the its achievement depends of the possible methods of the organization of this environment, of the proceedings of data access, intervention with corrections, of them logical structuring, etc.

The logical appearance is concerned with the problems of interconnections and interactions of content between the informational units of, independent of them physical environment of fastening and material presentation, at this cause including the concepts of syntactic, semantic and pragmatic approach.

Be noted that the economic information is of the pragmatically content, very much as it materializing and orientating its content to the purposes of the managerial system. Since, the management in general, and particularly, the economic, are achieved by the agency of certain functions, formed on the basis of the specific and the volume of solution of the certain inextricably interconnected complex issues in the basis of them predestination, it can be ascertained and the existence of the functional concept of situational information, It present the continuation of materializing of the semantic concept, formed by the union of the semantics and pragmatics of the information and, in this way, predetermining the content and them starting from the

purposes of the using in the processes of management.

Whereas, at present, en masse the functions of economic management are fulfilled by the subject, outside of the informatics system, the functional concept is of the external order, being achieved only in the managerial aspect. It more can be considered thus and for the reason that this interpretation starting from the harming with the necessary information of certain functions and purposes of management system. Because in this system the information is subjecting of various informational, structural procedures, and operations of calculus, etc., them can be elucidated and in the transformative aspect.

On the modern positions, when the technical means have found wide spread in the informative activities, the functional aspect interpreting the information as a consumable product, while the transformative appearance treating them as the object of calculation (arithmetic operations, the economic - mathematical methods) and incalculation (information and structural procedures) processing.

The transformation and functional application are essentially influenced by the level and adequacy of preparation of the information for them achievement. The meaning of this preparation itself reducing to the formation of such forms of organization and data structures, which would contribute to the effective performance of the transformative works, tied of the obtaining of informational products of the high consumable quality. Therefore, the processing of the information of the management system needs to be elucidated in the interconnection with them organization and structuring.

Classification and interconnections aspects and basic concepts of the approach evolution of economic situational information is shown in fig. 1.

As the obtaining of the values of any informational units taking place by effectuation of certain procedures and operations, the decisive role in ensuring of the existence and the processing of these values having the concepts of the examination and taking into standing account of the situational concepts and of them achievement. At the

same time, the latter is necessary to having in view the specific of the interpretative managerial and transformational aspects, but of this – of logical and physical aspects.

The meaning of this integration itself reducing to the establishing of the concordance of the equivalents of the methods of organization and of the organizational forms of informational units. The general purpose of it establishing is motivated not only by the value of awareness and the permanent keeping in mind of existing equivalency in the environment of the modern informational system, but and of the correctly operation with them in the case of the transition from one aspect of treatment to another, of ensuring of them identity and them unity in the unitary transformational process.

Very much as the functional aspect of economics management it's one's own of human nature and for this reason has been awarenessed and achieved above all in manual mode by the subject, on it are tied the manual forms and methods of organizing of the information. Therefore, the functional and informatics integration of the organization of the unitary economic managerial system information requires the determination of the concordance of manual and automatics forms and methods of achievement of this organization.

As both concepts (functional and informatics) constitute an indispensable interconnected and interactionned integrity in the framework of the unitary economic managerial system, itself imposing the objective necessity of them subjecting of integration. The last is justified by the fact that currently, the achieving of certain performances in the informational domain is conditioned of the as adequate as possible awareness and as more rational and coherently operation to both of the terms, and of real informational units of the users of any category. Only such a position of approach of the object contributing to the tendency of it transformation into the unitary material-informational nucleus. Through this and itself motivating the need and the importance of profound knowledge not only of the functional and informatics informational units, but also them concordance.

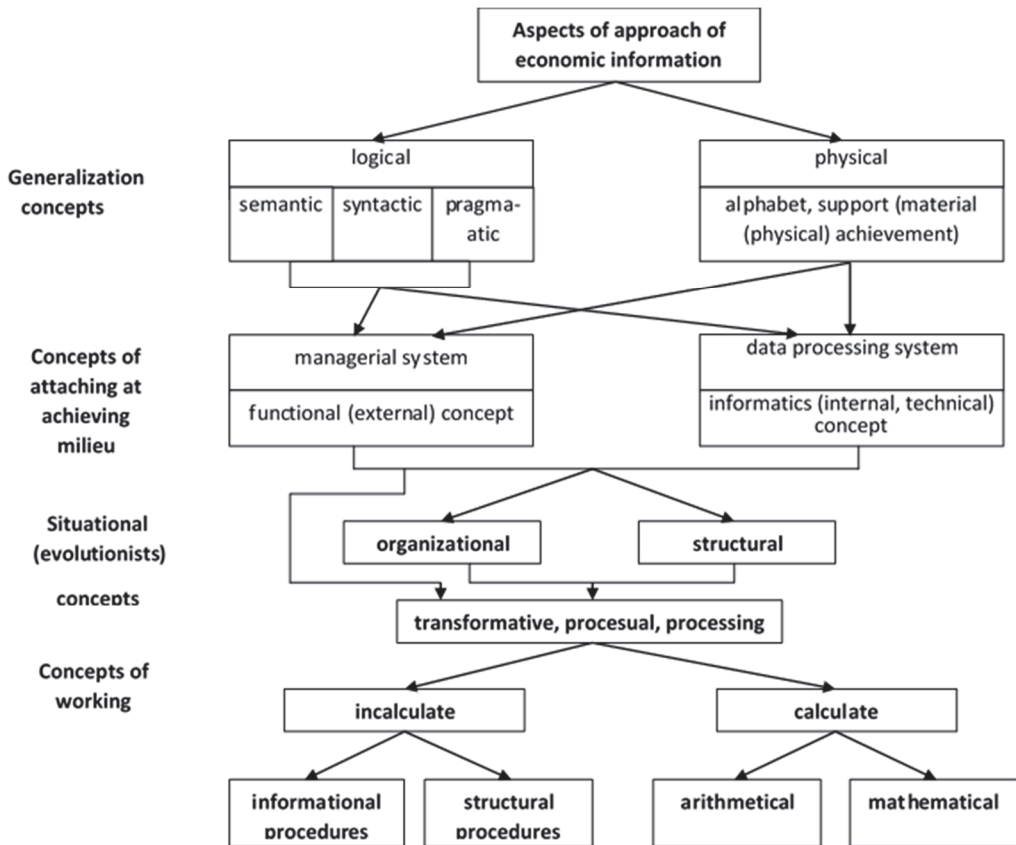


Figure 1. Classification and interconnections of the interpretative aspects and concepts of integrated approach of the informative content of unitary economic managerial system

### Concepts of approach

Within the framework of the unitary economic informational process decisive is the transformational concept of information, for which the organizational and structural concepts are “subordinate, and therefore by it predetermined. The predominant of it amount is motivated by the importance of obtaining of the informational product, the other two aspects only contributing to this.

### 3. Conclusions

1. Any economic management system has its own evolution of information into two spheres – the managerial system and the informatics one, which essentially differ through the forms of presentation and processing methods.

2. In order to ensure the continuity of informational process is necessary the adequate transition from some modalities of processing (manual) to others (technical).

3. This reason imposes the integration of managerial and automatic functioning of information, aiming the establishment of informatics interfaces, which would achieve such a transition.

4. On this occasion, the identification of the concepts of existing and evolution of information of informative sub-compartment of unitary management process is very topical, along with the determination of varieties of these concepts, its place and role in the management system and consider them while establishing and working of economic informatics (informational) system.

5. Finally, considering this approach will be reached the maximum level of uninterrupted automated (automatic) achievement of homogenous process of the manufacturing of informative products.

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