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## **METHODOLOGICAL ESSENCE OF SCIENTIFIC AND TECHNICAL INNOVATIVE PRODUCTS**

In the legislative normative acts of our country, the concept of scientific and technical products is not clearly formulated. By default, research work includes scientific research conditioned by the customer's technical specifications, and experimental research includes the development of a sample of a new product.

The results of scientific research and development themselves act as scientific and technical products. Therefore, it is distinguished by a high degree of novelty and an adequate level of science intensity. The list of scientific and technical products is quite wide and diverse. It includes theoretical and applied knowledge obtained in the process of research, scientific and technical documentation prepared as a result of the development of new equipment or technology, prototypes of new tools and materials. The structure of scientific and technical products includes scientific and technical services and consultations.

The demand for scientific and technical products in the world is constantly growing, since it is directly related, on the one hand, to the improvement and development of existing industries in order to increase their technical level and economic efficiency, and on the other hand, to the renewal of products, with the production of new highly competitive products. And although the development and creation of scientific and technical products are carried out most often within the framework of contracts concluded between manufacturing enterprises (firms) and scientific organizations, as well as within

the framework of state orders, nevertheless, a significant amount of scientific and technical products enters the foreign market.

The world leader here is the United States, which annually sells abroad high-tech products worth about \$ 700 billion, the second place in this indicator is occupied by Germany (\$ 530 billion), and the third - Japan (\$ 400 billion). Ukraine, after a full-scale military invasion by Russia, has largely lost its scientific potential. Suffice it to say that the cost of research and development has decreased several times.

Scientific and technical products by their nature are essentially products of a single production. Therefore, its market is largely characterized by the features of a pure monopoly and, above all, the ability of sellers to significantly influence the price.

Scientific and technical products - completed in accordance with the requirements of the contract, the result of research, design, engineering, technological work accepted by the customer, implemented at negotiated prices. These include:

- scientific and technical documentation (reports, projects, drawings, standards, methods, programs, etc.) on the results of completed fundamental and applied research and development, including work on the creation of new equipment and other products, technologies, materials, work in the field of technical and economic research, computer science, ecology, ergonomics, mathematical modeling, design, etc;
- experimental and prototypes (batches) of new equipment;
- scientific and technical services, including participation in commissioning works, author's supervision in the development and operation of innovations, best practices in this area ("know-how"), training of customer (consumer) personnel, scientific and technical, managerial, financial and economic advice;
- other results of scientific, engineering and information activities intended for use in production, management and planning (technology transfer, expertise, etc.).

Scientific and technical products produced by organizations that are part of enterprises and associations are taken into account, along with ordinary products, in the general results of their work. The gross output of the association (enterprise) includes all scientific and technical products made both under contracts from the outside and for their own needs. Only scientific and technical products sold under contracts from outside are included in commercial products and when assessing the fulfillment of contractual obligations. Thus, in principle, the results of scientific, technical and production activities since 1989 are summed up. This means acknowledging the fact that scientific and technological activities create new value and national income (until now, science belonged to the non-productive sphere).

At the same time, scientific and technical products are a special kind of product. Unlike an ordinary material commodity, it does not disappear when consumed. Therefore, it is possible to repeatedly implement the same product to many customers (its some modification does not change the essence of the matter). Therefore, it is advisable to pay

the full cost of the goods only at the first sale, and in the future to pay only for additional services and transfer part of the profit from the use of the innovation.

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