

PROGRAMS FOR INCREASE IT-READINESS

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On the basis of analysis of necessary types of ensuring the information transformation process at data interchange between participants, the hierarchical structure of works that allows to increase validity of the multiprojects contents within the program is formed.

One of the important aspects of providing the high level of the enterprises competitiveness on the market is existence of the necessary level of IT-readiness. By IT-readiness we understand the ability of the enterprise to reach the mission by the most effective use of modern information technologies (IT).

There are contradictions between the need of the enterprise operatively to reconstruct design and production structures accordingly to market condition change and level of the modern IT use for maintenance of projects of science intensive samples creation. The problem situation becomes complicated because of the lack of possibility of fast development of expensive information support systems through the absence of big financial resources for the machine building enterprises in the conditions of unstable investment climate and low level of profitability. It leads to the need of stage-by-stage IT introduction in the course of support of life cycle of new equipment creation project. It turned out that development of high technology is carried out now in the conditions of essential restrictions of financial resources all around the world. In these conditions of one of progressive ideologies of high technology creation is Lean Manufacturing methodology. World experience shows that the success of this ideology introduction is directly connected with effective use of modern information technologies of design of high technology samples and business management. Thus an important question is compliance of the enterprise to the necessary level of IT-readiness which is directly connected with a technological maturity.

One of the main directions of the solution of the problem of resources effective investment in development of progressive IT complex use is the use of methodology of project and programmed control. The great attention is given to the problem of effective development of the machine building and other types of mechanical engineering enterprises in works of foreign and domestic scientists: Tanaka H., Zakhmana Dzh. A., Bushuyeva S. D. in which methods and models of projects management for the solution of problems of the enterprises development and also problems of introduction of the design approach in their activity are offered. However, in the analysed sources, there are no concrete methods and models which allow to provide the projects formation and programs of increase of the enterprises IT-readiness.

There is a large number of methods and models of formation of the enterprises information systems structure. But there are no accurate recommendations concerning the realization of processes of development and IS introduction from positions of restrictions in time and financial possibilities of the enterprises. Besides there are no models and methods which allow to formalize the current and planned conditions of the enterprise IT-readiness according to the model of its technological maturity and different types of providing. Need of integration of methods of IS design and methods of design management is also dictated by existence of the effect of hardware and software fast obsolescence. Indicated features result in need of formation of programs of the enterprises IT-readiness increase taking into account restrictions in time and resources.