

Press release: With the advent of the program MLIS/MNIS MBO 1.0 became possible to optimize every budget, generated using the principle of program-target planning.

Michael Burlakov - founder of the new information technology of automation of control of discrete technological and information processes (IT AC DTIP), that has a variety of uses, has created on its basis a new *multilingual* software product of version 1.0 under the name: "**Ministry's budget optimization (MBO 1.0)**".

This program, that has conventional (MLIS) and network (MNIS) fulfillments, allows any interested users, which communicate in their life in any languages, to solve their tasks of optimizing budgets developed on the basis of program-target planning.

MBO 1.0 is a *multilingual* program, which alternative interface languages are stored in separate files called *language shells*. It includes two such shells: Russian and English, as well as a special program for their generation by users themselves. MBO 1.0 is designed to find the best (optimal) budgets of ministries and other government departments, agencies and entities, as well as complex targeted programs, which development is based on the principle of program-target planning (PTP), widely used in budgeting. PTP - is such kind of planning, which is aimed to achieve the set objectives when at first are determined and set the goals and then are selected the ways to achieve them. PTP is built on logic "goals → ways → methods → means". First, are set goals to be achieved, then are outlined the ways of realizing them (action items), and then - more detailed methods and means (goods and services).

In MBO 1.0 is realized a PTP scheme, the terms of which are goods, services, action items and goals. The connections between goods and services (lower level of hierarchy), action items (middle) and goals (top) are set here with the help of weighting factors. Every group of action items of specific destination, which are realized via selected goods and services, is financed by certain expense item. The financing amounts for these items are those restrictions which are imposed in finding the optimal solution.

The program allows to solve a task of finding the optimal budget with the help of method of numerical optimizing discrete service processes, as well as unique scheme of optimizing these processes, that was developed by the creator of this program.

Two variants of MBO 1.0 were developed: *conventional* (Multilingual local instrumental system of Ministry's budget optimization - **MLIS MBO 1.0**) and *network* (Multilanguage network instrumental system of Ministry's budget optimization - **MNIS MBO 1.0/upc**). MLIS MBO 1.0 is offline program, designed for a particular user (lite version of this program is free). MNIS MBO 1.0/upc is purposed to provide network services to many users. This system consists of two parts: one remote module of optimization (MO), wherein occurs synthesis of optimal strategies for budgeting, and numerous automated work places (AWPs), that are targeted to specific users of MNIS.

A set of lite version of MLIS MBO 1.0 you can download from any of two websites of the author: "Promotion center of IT AC DTIP" (<http://promo.dtip-optim.com/en>) and "Implement. center of IT AC DTIP" (<http://dtip-optim.com/en/main>). There you can solve your tasks in a test mode in full-scale network program MNIS MBO 1.0/upc.

The author and creator of MLIS/MNIS MBO 1.0 - Michael Burlakov, Doctor of Engineering (Kiev, Ukraine). This program was put into operation in October 2015 (the term of MNIS update to version 1.0/upc - 2018). Its areas of possible use are various organs of the state, local and corporate governance that are engaged in budgetary process.

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