

**Press release: With the advent of the multilingual program MLIS/MNIS EO 1.3 no longer exists the problem of the efficiency of spending money for purchasing goods or services.**

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 1.3 under the name "**Expenses optimization (EO 1.3)**". This program, that has conventional (MLIS) and network (MNIS) fulfillments, allows for any interested users to solve in any language their tasks of finding optimal strategies for the acquisition of goods or services from their given set.

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Program EO 1.3 is a *multilingual* one, alternative languages of which interface are stored in separate files, called *language shells*. It includes two such shells: Russian and English, as well as a special program for their generating by the users themselves. It is designed to find optimal strategies of investing funds in the acquisition of sale objects (SO) of specific purpose from their certain set, when it reaches the maximum value of total purchasing worth of the acquired SO samples. At that, to each selected for the acquisition SO, which may also include a specified additional elements (AE), if any, the user specifies a value of the criterion of utility of its sample. Allowed to form alternative groups of SO both on their separate categories and on all categories at once.

To solve these tasks is required the availability of appropriate databases of sale objects (DBSO), the creation of which is provided in EO 1.3. Such DBSO can be of two types: unlimited and limited. The first of them contain an unlimited number of SO samples of each type, and the second - a limited, which value is set.

Depending on the purpose of this program by the sale objects can be goods, services, as well as meals and drinks. There are *four modes of its localization*: 1 - purchasing goods (GD), 2 - purchasing services (SR), 3 - purchasing goods and services (GS), 4 - purchasing meals and drinks (MD). The required localization mode you can set permanently or to choose it every time you create a new task.

Two variants of EO 1.3 were developed: *conventional* (Multilingual local instrumental system of expenses optimization - **MLIS EO 1.3**) and *network* (Multilingual network instrumental system of expenses optimization - **MNIS EO 1.3/upc**). MLIS EO 1.3 is offline program, designed for a particular user (lite version of this program is free). MNIS EO 1.3/upc is designed to provide network services to many users. This system consists of two parts: one remote module of optimization (MO), wherein occurs the synthesis of optimal strategies of SO acquisition, and numerous automated work places (AWPs), which are designed for specific users of the MNIS.

A set of lite version of MLIS EO 1.3 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 also solve your tasks in a test mode in full-scale network program MNIS EO 1.3/upc.

The author and creator of MLIS/MNIS EO 1.3 - Michael Burlakov, Doctor of Engineering (Kiev, Ukraine). This program was put into operation in February 2017 (the term of MNIS update to version 1.3/upc - 2018).. Areas of its possible using are **trade, service industry** (restaurants, centers of sports and entertainments), as well as **planning the family budget**.

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