

Instruction manual of lite version of the program "Universal Processing Center of nine multilingual network instrumental systems, version 1.0" (LVP UPC 9 MNIS 1.0)

Installation of the set of LVP UPC 9 MNIS 1.0 local variant

1. Copy to a separate folder of your computer disk space a set of files of the *local* variant of program product LVP UPC 9 MNIS 1.0, designed to work in a local network or on a user's compute
2. Check the composition of this set, which should include the following files:
 - a boot batch file of LVP UPC 9 MNIS 1.0 **UPC9_lite.bat**;
 - an executable file **GPSN.exe** of the utility "Generator of the program serial number", the purpose of which is indicated in its name;
 - a text file **ReadMe.txt**, which contains the following reference information: "Agree with the owner of LVP UPC to purchase from him the necessary exe files (up to nine) of this LVP UPC set, run the GPSN utility on the computer where these files will be located to find out their serial number, transfer this number to the LVP UPC owner, who then compiles the specified files in binding to the given computer and will transfer to you, place them to the folder "Files" of this LVP UPC set, which then install on the specified computer.";
 - contents of the folder **Files**:
 - subfolder **_Template of files**, in which are placed initial samples of subfolders, system files, as well as examples of other files of different purposes, used or be created during operation;
 - subfolder **Admin**, which contains Excel files of the logs of users' tasks under the name **tasks.xls**;
 - if LVP UPC 9 MNIS 1.0 includes a program module **RIOMl.exe**, solving the tasks of real estate investment optimization, — the subfolder **Dbor**, that contains files of required databases of real estate objects;
 - if LVP UPC includes a program module **TOml.exe**, solving the tasks of transportation optimization, or a module **PTPDml.exe**, solving the tasks of public transport passenger delivery optimization, — the subfolder **Dbrn**, that contains files of required databases of networks of roads;
 - if LVP UPC includes a program module **PTPDml.exe**, solving the tasks of public transport passenger delivery optimization, — the subfolder

- Dbtrn**, that contains files of required databases of networks of routes;
- initially empty subfolder **Refusal**, in which are placed the input files of tasks, which for one reason or another have been rejected in processing;
 - initially empty subfolder **Report**, designed to store text files of registering events, which have the following names: **<date of registering events>_log.txt** (in these files is automatically written information about the main operations of solved tasks);
 - the subfolder **System**, which includes the following four system file:
 - **Auto** — an indicator file, whereby the windows of modules of optimization (MOs) of the lite versions of multilingual network instrumental systems (LV MNISs), belonging to LVP UPC 9 MNIS 1.0, automatically close at the end of a current session of their work;
 - **Config** — a text file containing the following information:
 - a sign of LVP UPC interface language (1 — English, 2 — Russian);
 - full names of the input and output folders, through which takes place the connection with LVP UPC users;
 - possible signs (symbols "*") of forming contents of subfolders **Report** и **Refusal**;
 - possible sign ("*") of presence of the general prepayment for all LVP UPC users;
 - possible sign ("*") of solving tasks by free in LVP UPC;
 - full name of the folder for text files of orders sent from LVP UPC to the network sellers by the program module **NPOMl.exe**, that solves the tasks of network purchases optimization;
 - **Info** — a text file that contains three basic parameters of your computer: processor type, clock speed and a volume of operative memory;
 - in the nested folder **Config_lite_local_eng**: the variant of **Config** file with the specified *English* language of LVP UPC interface;
 - in the nested folder **Config_lite_local_rus**: the variant of **Config** file with the specified *Russian* language of LVP UPC interface;
 - contents of the subfolder **User documents**:
 - files of two English-language documents in the nested folder **eng**:
 - **Instruction manual of LVP UPC 9 MNIS 1.0.pdf** — file of this manual;
 - **Technical characteristics of LVP UPC 9 MNIS 1.0.pdf**;
 - files of the same two Russian-language documents in the nested folder

rus:

- **Инструкция по эксплуатации ОВП УЦО 9 МСИС 1.0.pdf;**
- **Технические характеристики ОВП УЦО 9 МСИС 1.0.pdf;**
- boot files of programs included in the set of LVP UPC 9 MNIS 1.0, bound via their serial number to the technical parameters of the computer on which they will operate (see text file **ReadMe.txt**). Here is their full list (for the last one there is no such binding):
 - MO LV MNIS MBO 1.0/upc — **MBOml_.exe;**
 - ... GAO 2.2/upc — **GAOml_.exe;**
 - ... IO 2.2/upc — **IOml_.exe;**
 - ... EO 1.3/upc — **EOml_.exe;**
 - ... HIO 1.1/upc — **HIOml_.exe;**
 - ... RIO 1.0/upc — **RIOml_.exe;**
 - ... NPO 1.0/upc — **NPOml_.exe;**
 - ... TO 1.6/upc — **TOml_.exe;**
 - ... PTPDO 1.2/upc — **PTPDOml_.exe;**
 - for the program of processing requests from users of LV MNISs — **REQ.exe;**
- contents of the folder **Two utilities:**
 - boot files **UPC9_U1.exe** and **UPC9_U2.exe** of these utilities, the first of which (UPC9_U1) is designed to work with users' requests of two types, and the second (UPC9_U2) — to notify users about the receipt of files from LVP UPC with the results of their requests and of their tasks solved there;
 - configuration file **ConfigU** of utilities;
 - contents of the subfolder **ConfigU templates:**
 - in the nested folder **eng:** a variant of **ConfigU** file with the given *English* language of interfaces of both utilities;
 - in the nested folder **rus:** a variant of **ConfigU** file with the given *Russian* language of interfaces of them;
 - contents of the subfolder **User documents:**
 - files of two English-language documents in the nested folder **eng:**
 - **Description and instruction manual of UPC9_U1.doc;**
 - **Description and instruction manual of UPC9_U2.doc;**
 - files of two such Russian-language documents in the nested folder **rus:**

- **Описание и инструкция по эксплуат. UPC9_U1.doc;**
 - **Описание и инструкция по эксплуат. UPC9_U2.doc.**
3. Make the following setting of service files stored in a folder **Files\System**:
 - choose the mode of LVP UPC 9 MNIS 1.0 operation: in automatic mode make sure that the **Auto** indicator file is available, and in manual one — delete or re-name it;
 - to change the language of LVP UPC interface (by default it is set English), copy to the place of the **Config** file its same-name sample from the subfolder **Config_local_rus** (Russian language) or **Config_local_eng** (English one) using the operating system (OS) Windows;
 - check the contents of files **Config** and **Info**, and correct it if necessary. In particular, make sure that in the third from below row of the configuration file there is a symbol **"*"**, meaning the mode of free solving tasks (it is mandatory for LVP UPC).
 4. Create three folders in the disk space of your computer with the addresses specified in **Config** file.
 5. Provide the mode of entering system records in the tasks log **tasks.xls** (the subfolder **Admin**), which include rows of five fields on the second page of this document "NIS users", where in the first field "User code (5 digits)" of a new record enter the code of a registered user. This can be done in two ways: automatically and manually. To implement the first way (it is preferable), it is necessary to develop a special program for registering new users in LVP UPC. The second way is implemented by the LVP UPC administrator in the mode of manual editing the document **tasks.xls**.
 6. Decide in which mode you will use the software product LVP UPC 9 MNIS 1.0: automatic or manual. In the first case, it will be run periodically by the Windows operating system through a pre-set period of time (in the mode of assigned job), and in the first case — at your request, when the need arises. Depending on the mode selected by you do one of two things:
 - if you select the automatic mode of LVP UPC 9 MNIS 1.0 operation follow these steps:
 - select the Windows command **Start⇒Programs⇒Standard⇒Utilities⇒Assigned jobs**), opening its dialog with the same name;
 - run in this dialog the command **File⇒Create⇒Assigned jobs**, creating in its work area a new row and assign it a name "UPC9_lite";
 - double-click on this row to open a dialog **UPC9_lite** with three tabs;
 - in the tab **Job** of the window **UPC9_lite** specify the path to the batch file **UPC9_lite.bat** (the button **Review**), and set the two lower checkboxes;
 - in the tab **Schedule** of this window, as well as in an additional window, opened by the button **Add**, set the time parameters of job assignment for LVP UPC 9 MNIS 1.0;

- if you select the manual mode of LVP UPC 9 MNIS 1.0, create a shortcut to its file **UPC9_lite.bat**, placing it on the desktop of your computer.

Installation of the set of LVP UPC 9 MNIS 1.0 network variant

1. Copy to a separate folder of disk space of the computer of your remote server a set of files of the *network* variant of program product LVP UPC 9 MNIS 1.0, designed to work on the Internet
2. Check the composition of this set, which should include the following files:
 - a boot batch file of LVP UPC 9 MNIS 1.0 **UPC9_lite.bat**;
 - an executable file **GPSN.exe** of the utility "Generator of the program serial number", the purpose of which is indicated in its name;
 - a text file **ReadMe.txt**, which contains the following reference information: "Agree with the owner of LVP UPC to purchase from him the necessary exe files (up to nine) of this LVP UPC set, run the GPSN utility on the computer where these files will be located to find out their serial number, transfer this number to the LVP UPC owner, who then compiles the specified files in binding to the given computer and will transfer to you, place them to the folder "Files" of this LVP UPC set, which then install on the specified computer.";
 - contents of the folder **Files**:
 - subfolder **_Template of files**, in which are placed initial samples of subfolders, system files, as well as examples of other files of different purposes, used or be created during operation;
 - subfolder **Admin**, which contains Excel files of the dealers' tasks logs, having the following names: **<four-digit numerical dealer code>_tasks.xls** (these logs are created only for those dealers who have access to LVP UPC 9 MNIS 1.0);
 - if LVP UPC 9 MNIS 1.0 includes a program module **RIOml.exe**, solving the tasks of real estate investment optimization, — the subfolder **Dbor**, that contains files of required databases of real estate objects;
 - if LVP UPC includes a program module **TOml.exe**, solving the tasks of transportation optimization, or a module **PTPDOml.exe**, solving the tasks of public transport passenger delivery optimization, — the subfolder **Dbrn**, that contains files of required databases of networks of roads;
 - if LVP UPC includes a program module **PTPDOml.exe**, solving the tasks of public transport passenger delivery optimization, — the subfolder **Dbrtn**, that contains files of required databases of networks of routes;
 - initially empty subfolder **Refusal**, in which are placed the input files of

tasks, which for one reason or another have been rejected in processing;

- initially empty subfolder **Report**, designed to store text files of registering events of dealers, which have the following names: <**four-digit numerical dealer code**> <**date of registering events**>_log.txt (in these files is automatically written information about the main operations of solved tasks);
- the subfolder **System**, which includes the following four system file:
 - **Auto** — an indicator file, whereby the windows of MNISs modules of optimization (MOs) of the lite versions of multilingual network instrumental systems (LV MNISs), belonging to LVP UPC 9 MNIS 1.0, automatically close at the end of a current session of their work;
 - **Config** — a text file containing the following information:
 - a sign of LVP UPC interface language (1 — English, 2 — Russian);
 - full names of the input and output folders, through which takes place the connection with LVP UPC users;
 - possible signs (symbols "*"") of forming contents of subfolders **Report** и **Refusal**;
 - possible sign ("*") of presence of the general prepayment for all LVP UPC users;
 - possible sign ("*") of solving tasks by free in LVP UPC;
 - full name of the folder for text files of orders sent from LVP UPC to the network sellers by the program module **NPOMl.exe**, that solves the tasks of network purchases optimization;
 - **Dealers** — a text file containing a list of codes of dealers, who have the right of access to LVP UPC 9 MNIS 1.0;
 - **Info** — a text file that contains three basic parameters of your computer: processor type, clock speed and a volume of operative memory;
 - in the nested folder **Config_network_eng**: the variant of **Config** file with the specified *English* language of LVP UPC interface;
 - in the nested folder **Config_network_rus**: the variant of **Config** file with the specified *Russian* language of LVP UPC interface;
- contents of the subfolder **User documents**:
 - files of two English-language documents in the nested folder **eng**:
 - **Instruction manual of LVP UPC 9 MNIS 1.0.pdf** — file of this manual;
 - **Technical characteristics of LVP UPC 9 MNIS 1.0.pdf**;
 - files of the same two Russian-language documents in the nested folder

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 - ... EO 1.3/upc — **EOml_.exe**;
 - ... HIO 1.1/upc — **HIOml_.exe**;
 - ... RIO 1.0/upc — **RIOml_.exe**;
 - ... NPO 1.0/upc — **NPOml_.exe**;
 - ... TO 1.6/upc — **TOml_.exe**;
 - ... PTPDO 1.2/upc — **PTPDOml_.exe**;
 - for the program of processing requests from users of LV MNISs — **REQ.exe**.

3. Make the following setting of service files stored in a folder **Files\System**:

- make sure that the **Auto** indicator file is available, thus ensuring automatic operation of LVP UPC 9 MNIS 1.0;
- to change the language of LVP UPC interface (by default it is set English), copy to the place of the **Config** file its same-name sample from the subfolder **Config_network_rus** (Russian language) or **Config_network_eng** (English one) using the operating system (OS) Windows;
- check the contents of files **Config**, **Dealers** and **Info**, and correct them if necessary. In particular, make sure that in the third from below row of the configuration file there is a symbol "*", meaning the mode of free solving tasks (it is mandatory for LVP UPC).

4. Create three folders in the disk space of your server computer with the addresses specified in **Config** file.

5. Provide the mode of entering system records in the tasks log **tasks.xls**, (the subfolder **Admin**), which include rows of six fields on the second page of this document "NIS users", where in the second field "User code (5 digits)" of a new record enter the code of a registered user. For that you should develop a special program for registering new users in LVP UPC.

Note

On the website "Promotion center of IT AC DTIP" (<http://dtip-burlakov.com/en>), where the set of UPC 9 MNIS 1.0 network variant is installed, is realized the above-mentioned system function.

6. Set the automatic mode of LVP UPC 9 MNIS 1.0 operation on your remote server. To do this, follow these steps:
 - select the Windows command **Start⇒Programs⇒Standard⇒Utilities⇒ Assigned jobs**), opening its dialog with the same name;
 - run in this dialog the command **File⇒Create⇒Assigned jobs**, creating in its work area a new row and assign it a name "UPC9_lite";
 - double-click on this row to open a dialog **UPC9_lite** with three tabs;
 - in the tab **Job** of the window **UPC9_lite** specify the path to the batch file **UPC9_lite.bat** (the button **Review**), and set the two lower checkboxes;
 - in the tab **Schedule** of this window, as well as in an additional window, opened by the button **Add**, set the time parameters of job assignment for LVP UPC 9 MNIS 1.0.