(Q)SAR APPLICATION TOOLBOX

VERSION 1.1

INSTALLATION NOTES

DECEMBER 2008

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Introduction

This document provides a summary description of the installation procedure of the OECD (Q)SAR Application Toolbox set-up kit on a local PC operating Microsoft® Windows®.

Requirements

It is recommended to use an up-to-date PC with a processor running at 2GHz or faster, 8 Gigabyte of hard disc space for storage and 1 Gigabyte of RAM to operate.

In order to run this installation you will need administrator rights on your local PC. However, once installed, normal user rights will be sufficient for running the application.

Installed components

The following components will be installed on your PC if they are not already available:

- The database Interbase.
- A Java runtime environment (Java™ 6 or newer).
- Microsoft Visual C++ 2008 Redistributable

Automatic installation

Navigate to the CD on which you have received the application or to the folder into which you have downloaded the package. If you received the package as a ZIP archive, extract the content to a new directory.

Execute the “TBsetup.exe” file in the root directory. This executable is supposed to perform all needed actions automatically. If it finishes successfully, the Toolbox is properly installed.

Manual installation

A manual installation needs to be performed when the automatic installation fails (for example, due to insufficient privileges of the current Windows account). In this case the following sequence of actions should be executed:

1. Uninstall any existing older version of Toolbox – go to “Control Panel”, “Add or Remove Programs”, select the older version of the program and click on the “Remove” button.

2. If the Interbase server is not installed on the computer, go to the folder “Adds” on the installation package and run “IBwin32setup.exe”. Make sure that in the “Select Components” dialog form the “Server for Windows” option is checked. If your PC has a multiprocessor system, replace the file “ibserver.exe” located in “%Interbase%\Bin” directory (by default, it is “%ProgramFiles Folder%\Borland\InterBase\Bin”) with the one

found in the “Adds” folder (see paragraph “*Interbase server 6 and multiprocessor systems*” in the section “Known issues” below for more information).

3. Go to the folder “Toolbox” in the installation package and run “setup.exe”. It should install the OECD Toolbox files (executable, databases, libraries, help files, etc.).

4. Go to the folder “Toolbox” in the installation package and run “TBiupd.exe”. This program will make some necessary modifications in the “Toolbox.ini” file and will register the libraries “TBObjLibrary_11” and “LMCClasses_11”.

5. Go to the folder “Adds” in the installation package and run “vcredist_x86.exe”. This program will install “Microsoft Visual C++ 2008 Redistributable” needed for some profiling schemes.

6. Go to the folder “Adds” in the installation package and run “jre-6u10-windows-i586-p-s.exe”. This program will install “Java™ 6 update 10” needed for some profiling schemes.

Known issues

Interbase server 6 and multiprocessor systems

The performance of Interbase server might decrease significantly on multiprocessor systems, because Windows repeatedly switches the Interbase process from one processor to another. The Toolbox implements code that sets the affinity of the Interbase server in order to avoid the above effect. Nevertheless, this operation will fail if the current user account, which is running the Toolbox has no debug privileges.

A possible solution of the problem is to replace the original “ibserver.exe” file with one that is modified to use only the first processor of the system. Such a file is provided in the CD folder “Adds”. By default, Interbase server is running as a service. In order to replace the executable, the user must go to services’ folder (“Control Panel”, “Administrative Tools”, “Services”) and stop both “InterBase Guardian” and “InterBase Server”. After the replacement of the executable, these services should be started again.

Running (Q)SAR Application Toolbox on limited user accounts

Limited user accounts will not be able to open databases, because Interbase server needs write permission while accessing database files. To avoid this problem the program should be started using the “Run as administrator” option.

Other possible problems

1. If the main installation fails (“setup.exe” from “Toolbox” folder), the system cannot be installed on this computer via the current user account.

2. If any of the supplemental installation fails, the system will be installed but some functionality might be lost (like ToxTree or MultiCase functions).

3. If the “Toolbox.ini” file is not modified properly, the program will fail to work. The following modifications need to be done (the file is located in “%Toolbox%” folder):

   - The “<DATA_DIR>” string should be replaced in the “Toolbox.ini” file, with the folder where the data and configuration files are installed (by default, it is “%Windows Volume%\OECD Toolbox\Ver 1.1”, for example “C:\OECD Toolbox\Ver 1.1”). You can find the folder by making a search for “Toolbox_SIDS_datasets.cfg” file and going one level up.

   - The “<USER_DATA_SUBDIR>” string should be replaced in the “Toolbox.ini” file with the subfolder where the user specific data will be stored (the automatic installation sets it to “OECD Toolbox\Ver 1.1\UserDir”). The full path to this folder will be “%Personal Folder%\%User Data Subdir%”, for example “My Documents\OECD Toolbox\Ver 1.1\UserDir”.

   - The “<USER_CONFIG_SUBDIR>” string should be replaced in the “Toolbox.ini” file with the subfolder where the user configuration data will be stored (the automatic installation sets it to “OECD Toolbox\Ver 1.1\Config”). The full path to this folder will be “%Personal Folder%\%User Config Subdir%”, for example “My Documents\OECD Toolbox\Ver 1.1\Config”.

   - The “<INSTALL_TIME_STAMP>” string should be replaced in the “Toolbox.ini” file, with the current day and time using the following format “dd.mm.yyyy hh:mm:ss”.

   - The libraries “TBObjLibrary_11.dll” and “LMCClasses_11.dll” need to be registered using the “regsvr32” utility.