CheckIGC.exe

Description

CheckIGC allows to perform a batch security check on all IGC files in a given directory.
It is a freeware utility developed by LBS (www.lbs.be). No retribution can be asked in any form.
The developer declines all responsibility for any damage or data loss resulting from the use of this utility.

For feedback contact info@lbs.be

Installation

Unzip CheckIGC in a folder. Make sure you don't use a read-only folder, such as "Program-Files".

Uninstallation

All files related to CheckIGC are located in the folder where CheckIGC.exe is located. To uninstall, just delete these files. CheckIGC doesn't touch the registry in any way.

Usage

Load all DLL files in a folder. You can use any location for the folder, you can select the folder via CheckIGC. If you have multiple DLL files for the same logger (different versions), you can rename the DLL files as desired and load all versions in the same folder. CheckIGC will automatically find the correct version. Example: igc-xxx1.dll, igc-xxx2.dll.

Load all IGC files in a folder. You can use any location for the folder, you can select the folder via CheckIGC later.

The output is written to a file located in the IGC files directory. Its name is coded for execution date and time. The fields are tab-separated. Default output file format is tab delimited text file. By using the GUI or via the command line, the output can be written as an Excel file.

The verbose output is written to a file located in the CheckIGC directory. If no file name was specified, a name will be generated based upon execution date and time.

The output file and verbose output file (if applicable) will be opened automatically at the end of the process.

DLL file names
The file name for the DLL file to be used for the validation is constructed from the three-letter code found in the A record of the IGC file. For some loggers this does not work, for example because the support for the logger was taken over by another company, which integrated the validation in their own DLL file. Example: the support for the Filser loggers was taken over by LX Navigation.
To solve this issue, the three-letter codes to be used for such loggers are listed in a table. The table is contained in the file "xRef.txt". This file can be manually edited via a text file editor such as Notepad. The code occurring in the logger file is written first, then the code to be used for the DLL file name, separated by a blank or a tab.
Every logger file code to be matched with a DLL file code has to be written on a separate line.
The CheckIGC file package contains a standard reference table.

The utility has two operating modes: via a Graphical User Interface (GUI), or via the command line.

Using the Graphical User Interface

The GUI has the following controls:

- **DLL path / IGC path**: navigate to the desired folder <u>and randomly select any file in it</u>. This will define the folder; the utility will treat all files in the folder during the actual check, regardless of the file that was actually selected.
- **Detailed output**: the output file contains various details about the logger file and the DLL file used for validation. The fields are separated by tabs.
- **Brief output**: the output file contains the IGC file name and security status only, separated by tabs.
- **Output to Excel file:** The output is written to an Excel file in stead of the standard text file.
- **Show Progress:** a dialog box with a progress bar is shown upon the execution of the analysis. The execution can be halted via the dialog box
- **Use GUI next session**: if unticked, the GUI will not be used during the next sessions, CheckIGC will run without any interface.
  There are two ways to restore the GUI mode:
  - Via the command line: enter "*CheckIGC /gui*"
  - Delete the file CheckIGC.ini, located in the CheckIGC folder. This will restore all settings to default.
- **Suppress logger dll messages**: DLL output is disabled, but some DLL files will provide output via message boxes anyhow. Ticking this option will suppress these messages automatically. This function may not work for all DLL files.
- **Move good files**: all files with security OK will be moved to the "Good" folder, created in the IGC files folder.
- **Move bad files**: all files with security not OK will be moved to the "Bad" folder, created in the IGC files folder.
- **Verbose level**: selects the detail of the debug output:
  - 0: Critical error messages only
  - 3: Detailed output
- **Verbose FN**: File name for the verbose file. If not given, CheckIGC uses a default name based upon date and time.
- **Delete output files**: delete all output files in the currently selected IGC folder.
- **Website**: opens the CheckIGC website

Using the command line

There are two ways to run ChekIGC without the GUI:
- From the GUI, untick "Use GUI next session".
- By entering the command line "CheckIGC /nogui"

From then on, CheckIGC will run without the GUI, using the options as selected during the last GUI session as default.
<u>Note:</u> If no directories are specified via the command line or via a previous GUI session, the GUI will be displayed.

<u>Command line parameters:</u>

checkigc /gui /vx /VF:"Verbose output file name" /igc:"directory IGC files" /dll:"directory DLL files" /Suppress

All parameters are optional, the values set via the last GUI session will be used as default.

The parameters are not case sensitive

/all	Detailed output
/short	Output contains IGC file name and security status only
/xls	Generate Excel file as output (text file will not be generated)
/txt	Generate tab delimited text file as output
/progress	Show the progress dialog upon execution of the analysis
/silent	Don't show the progress dialog upon execution of the analysis
/gui	Display Graphical User Interface, allowing to select the IGC and DLL paths
/nogui	Don't use Graphical User Interface. Use settings from last session or from command line.
/suppress	Suppress messages generated by DLL files
/show	Don't suppress messages generated by DLL files
/movegood	all files with security OK will be moved to the "Good" folder, created in the IGC files folder.
/keepgood	files with security OK will not be moved to the "Good" folder.
/movebad	all files with security not OK will be moved to the "Bad" folder, created in the IGC files folder.
/keepbad	files with security not OK will not be moved to the "Bad" folder.
/v0	Verbose output off (error messages only)
/v1	Verbose output level 1 (sparse)
/v2	Verbose output level 2
/v3	Verbose output level 3: all messages
/vf:fn	Specify the file name receiving the verbose output. The path, if entered, is ignored. If the file name contains blanks, it must be enclosed in double-quotes. If the VF parameter is not used, a default file name will be used, based on date and time
/igc:dir	Specify the directory containing the igc files. If the path contains blanks, it must be enclosed in double-quotes.
/dll:dir	Specify the directory containing the dll files

Notes

- The command line is not case sensitive
- The sequence of the command line parameters is not important.
- The parameters set via the command line will be stored and reused automatically upon the next session, so from then on CheckIGC can be run without command line parameters.
  If you want to change a parameter, just set the required parameter once via the command line.

Version history

Version 1.8

- Bug correction.

Version 1.7

- Bug correction.

Version 1.6

- Bug correction.

- Optional progress bar upon execution of the analysis
- New command line options /progress and /silent
- Made DLL and IGC folder fields editable

Version 1.5

- Bug correction.

Version 1.4

- Included reference table for determining the three-letter code to be used for the DLL file name for a three-letter code occurring in the IGC file.

Version 1.3

- Bug correction: the version string for some loggers was longer than expected and resulted in an interruption of the execution.

Version 1.2

- Bug correction: radio buttons "Detailed output" and "Brief output" did not swap.
- New functions
  - **Output to Excel file:** when selected only an Excel file will be generated.
  - **Move good files**: all files with security OK will be moved to the "Good" folder, created in the IGC files folder.
  - **Move bad files**: all files with security not OK will be moved to the "Bad" folder, created in the IGC files folder.
  - **Website:** opens the CheckIGC website
- New command line parameters
  - XLS: generate Excel output file (no text file)
  - TXT: generate text output file (no Excel file)
  - SHOW: Suppress messages generated by DLL files
  - MoveGood: all files with security OK will be moved to the "Good" folder, created in the IGC files folder.
  - KeepGood: files with security OK will not be moved to the "Good" folder.
  - MoveBad: all files with security not OK will be moved to the "Bad" folder, created in the IGC files folder.
  - KeepBad: files with security not OK will not be moved to the "Bad" folder.