**REVEAL Multimedia Manipulation Detector Toolbox folder/file list**

*Auxiliary\_Sources/jpeg-8d\_distribution*

This folder contains the libjpeg library, v. 8d, needed for reading raw JPEG compression parameters. In our case, it is necessary for Windows systems, since in most Linux distributions a compiled version can be found in the respective repositories. Without it, DCT-based analysis is impossible.

Compilation instructions can be found in “Dependency installation instructions.docx”.

*Auxiliary\_Sources/ExportDCT*

This small library, written by us, provides a simple API for exporting DCT coefficients from JPEG images in a simple, straightforward data structure in the form of an Integer pointer array. It essentially functions as a bridge between libjpeg and our Java software, and It is necessary for both Windows and Linux systems. Compilation instructions (and directions to precompiled versions) can be found in “Dependency installation instructions.docx”.

*Executable*

This is the JAR application.

These files are necessary for running DCT-based detection in Windows Netbeans. For jar execution, the two files should be alongside the .jar file, or within the Windows path (although the latter is not recommended, as other versions of libjpeg are also used by other applications).

*AuxiliaryLibs*

If Linux compilation of the C code is impossible, these libraries might function as a replacement, placed in LD\_LIBRARY\_PATH (although for Linux it is highly recommended to use a native libjpeg library, and to recompile ExportDCT).

*MultimediaManipulationToolbox.jar*

This is the actual JAR file

*1.Ferguson.jpg*

*2.Columb.tif*

*3.Flag.jpg*

These images are here for testing/demo purposes

*ExportDCT.dll*

*libjpeg-8.dll*

*libExportDCT.so*

*libjpeg.so.8*

These are the libraries required for DQ analysis. See the accompanying documentation for their proper use.

*lib/*

This folder contains the accompanying Java libraries necessary for the project. These are:

commons-io-2.4.jar

*commons-lang3-3.4.jar*

*commons-math3-3.5.jar*

*jai\_imageio.jar*

*JavaDWT\_Accelerated.jar*

*jna-4.1.0.jar*

*ojalgo-37.1.jar*