

# README for the PES\_TOOLS Demonstration

To run this example perform the following steps:

1. Create a XML Manifest file of for the contents of the PES Library at **PES\_TOOLS/lib\_manifest.xml**  
`cd PES_TOOLS/tools/build_manifest`  
`./CLEAN`  
`./BUILD_AND_RUN`  
*#At this point the manifest file **PES\_TOOLS/lib\_manifest.xml** is deleted and rebuilt using the contents of the **PES\_TOOLS/lib** directory*
2. Run the **XML Decorator** program to generate the source files for the program described in **PES\_TOOLS/tools/xml\_decorator/program.xml**  
`cd PES_TOOLS/tools/xml_decorator/program.xml`  
`./CLEAN`  
`./BUILD_AND_RUN`  
*#At this point the the XML Program file **PES\_TOOLS/tools/xml\_decorator/program.xml** is read and the appropriate target source files are generated in **PES\_TOOLS/tools/target\_directory**. The contents of directory **PES\_TOOLS/tools/target\_processor\_0** are copied into directory **PES\_TOOLS/tools/ target\_processor** with auxiliary files for multithreaded real-time operation.*
3. Build the target real-time processor in directory **PES\_TOOLS/tools/target\_processor**  
`cd PES_TOOLS/tools/target_processor`  
`./CLEAN`  
`./BUILD_AND_RUN`  
*#At this point the the XML Program file **PES\_TOOLS/tools/xml\_decorator/program.xml** is read and the appropriate target source files are generated in **PES\_TOOLS/tools/target\_directory**. The contents of directory **PES\_TOOLS/tools/target\_processor\_0** are copied into directory **PES\_TOOLS/tools/ target\_processor** with auxiliary files for multithreaded real-time operation.*