**OEDI Task 3 Documentation**

*Alternative Transient Program (ATP)* Installation

\*IMPORTANT NOTES & GUIDELINES\*

\*We will assume the user has access to a valid ATP license, else one may be requested through the following link: [ATP-EMTP](https://www.atp-emtp.org/) , which also includes installation requirements for the ATP solver. In addition, see [ATP-Draw](http://www.atpdraw.net/) for an optional graphical front end to ATP.

\*If the user already has an existing ATP/ATPDraw installation, DO NOT install any new ATP files/programs in the same directory to avoid conflicting read/write issues.

\*Depending on your license access, you may receive any of the following sets of files or a larger zip file containing relevant files. Remember to install from a secure server or server of local ATP User Group using provided instructions (if available).

1. ATP\_solver20xx.zip
   1. STARTUP initialization file
   2. tpxxx.exe version files
2. ATP MingW.zip with accompanying .bat files
3. ATP\_Analyzer
   1. PlotXY20xx.zip
4. ReadMe.pdf or .docx files
5. ATP Rule Book and Manual(s)

\*You may have the option to select from an Easy Installer or similar – install the full package and all archive files *Instxx.exe*, following the accompanying instructions.

ADDITIONAL HELPFUL HINTS DURING INSTALLATION

* ATP doesn’t handle blank space in path names, so install the complete package directly to path *c:\atp* (recommended).
* Set a Windows environment variable GNUDIR=c:\atp and append c:\atp to your Windows path. If you have a GNUDIR.rar or similar zip file, unzip to c:\atp\atpgnu and set system environment and path variables to match. You may also run provided batch files to accomplish this task, which likely requires light editing to provide the correct path. It is advised to also check the runtp.bat file to make sure this path points to the correct executable.
* Install ATPDraw GUI version 7.3 and follow instructions in the manual.
* When you launch ATP for the first time using ATPDraw, use the “ATP/Setup ATP connection” menu to verify the Solver is pointing to the path c:\atp\tpxxx.exe of your preference.
* When installing PlotXY, unzip into c:\atp\plotxy folder and from ATPDraw, again select the “ATP/Setup ATP connection” menu to verify it points to PlotXY.