STEP 1. Log in to diagrid.org and clone both PhoSim Git and PhoSim DiaGrid repositories.

ssh yourUserName@diagrid.org
svn co --username yourUserName https://diagrid.org/tools/phosim/svn/trunk phosim
git clone https://user@bitbucket.org/johnrpeterson/phosim_core.git

STEP 2. Go to the Git repository and checkout the desired version.

cd phosim_core
git checkout v3.5
cd ..

STEP 3. Go to the DiaGrid repository and use convert2svn.py script to update the repository.

cd phosim

Do a test run first. It will print out the new changes.
python convert2svn.py ../phosim_core/

After verifying the changes, do the actual run and update files.
python convert2svn.py ../phosim_core/ False

STEP 3. Make sure the code can compile and test it.

cd src
make
make install
cd ..

create two temporary folders
mkdir output work

run a simple simulation locally
python bin/phosim.py examples/star -c examples/nobackground -o output/ -w work/ -b bin -d data
--sed=data/SEDs --image=data/images

examine the images in output/
ls output/

STEP 4. Commit the changes.

svn commit -m "some message here"

STEP 5. Go to https://diagrid.org/ and change the tool status. The DiaGrid team will deploy the latest code on DiaGrid. Once the tool is installed, click **Launch tool** button on the tool status page to test the code. If the application works properly, approve the tool and publish it. Otherwise, make new changes to the code and wait for the DiaGrid team to deploy it.