

May 27, 2020

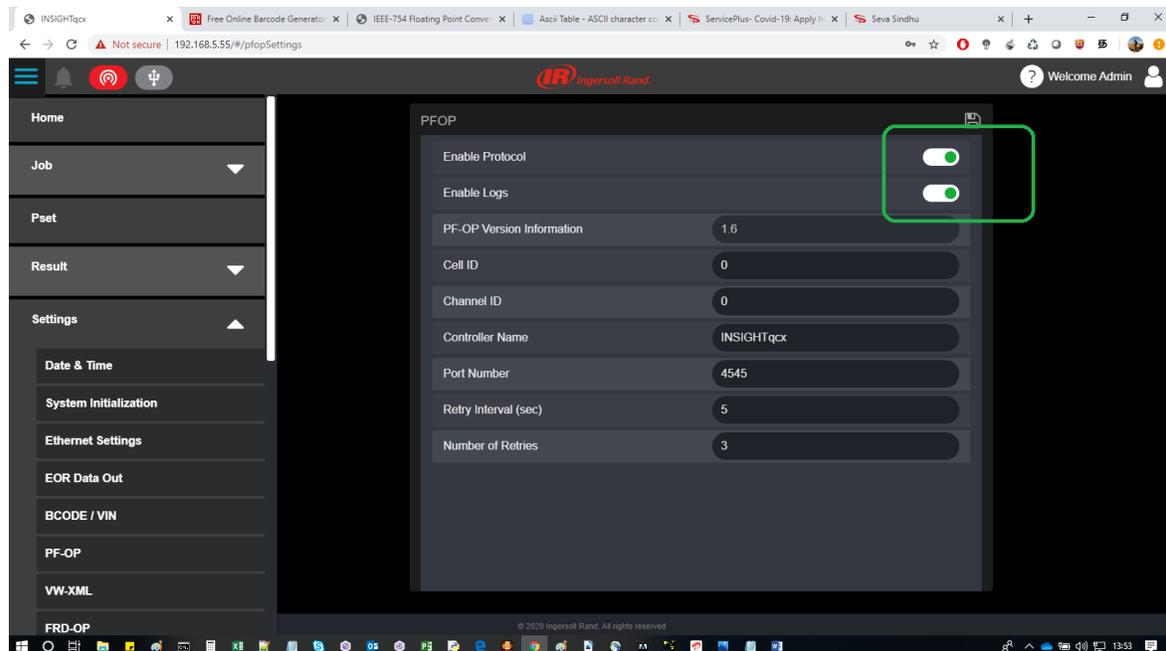
Guide to Setup PFOP trace subscription

This is a PFOP feature for trace support, In order to enable the PFOP settings-

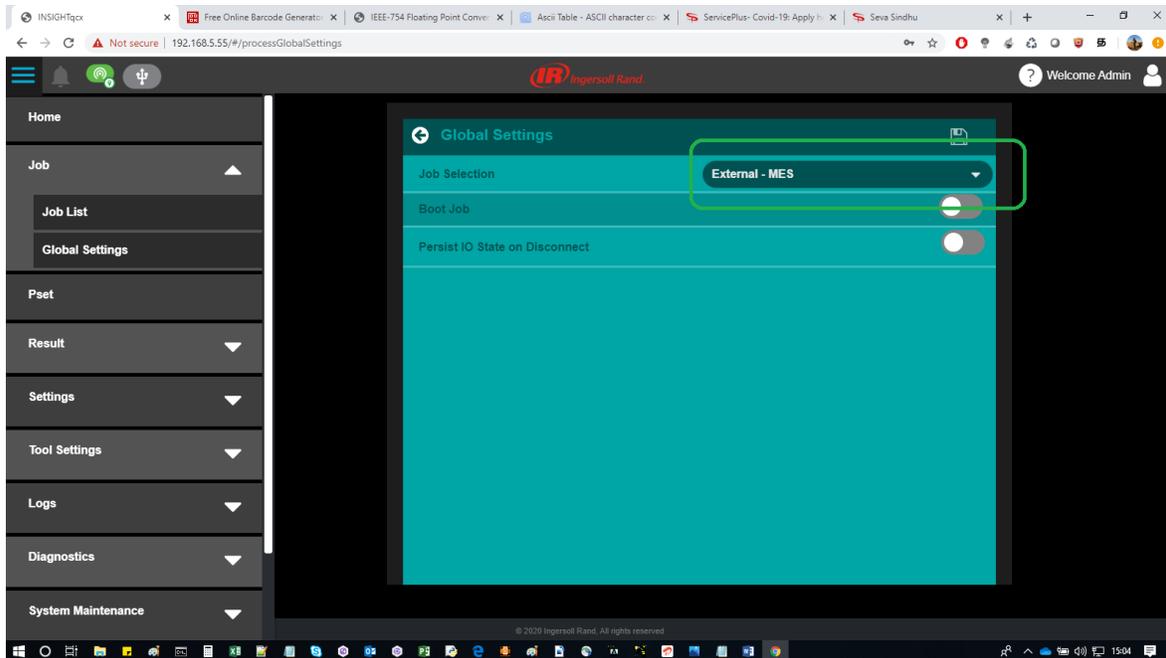
1. Go to Menu –Settings –Click on PFOP option. Enable the PFOP by clicking on radio button as below.

Note:

Procedure for both QCX cordless and QCD corded controller are same as below



2. Go to Menu - Job - Global setting and now set the Job selection as External – MES as below,



3. Rename the below attached files extension from .txt to .py like “main.py” and “StationComputer.py”.



4. Copy both files in a folder where python can run
5. Open “StationComputer.py” in python editor. (Ned Python version 3.6 and higher is recommended)
6. Uncomment to enable certain MIDs to be sent to controller as shown below in “StationComputer.py” and save.

```

#setup logging
logging.basicConfig(filename='MES_flooding_messages.log', filemode='w', level=logging.DEBUG, format='%(asctime)s %(message)s')

# setup the worker threads
#comms threads handles TCP/IP communications
commSendThread = threading.Thread(target=CommSendWorkerThread)
commSendThread.setDaemon(True)
commSendThread.start()

commRcvThread = threading.Thread(target=CommRcvWorkerThread)
commRcvThread.setDaemon(True)
commRcvThread.start()

heartbeatThread = threading.Thread(target=HeartbeatWorkerThread)
heartbeatThread.setDaemon(True)
heartbeatThread.start()

msgHandlerThread = threading.Thread(target=IncomingMessageHandler)
msgHandlerThread.setDaemon(True)
msgHandlerThread.start()

#start the communications
StartCommunications()
time.sleep(1)
#MID0012_PsetUploadRequest()
MID0010_PsetUpload()
#time.sleep(1)
#MID0043_ToolEnableRequest()
#time.sleep(1)
MID0018_SelectFset()
#time.sleep(1)
MID0060_EORSubscribe()
#time.sleep(1)
MID0008_TraceSubscribe()
time.sleep(1)
#MID0014_PsetSetSelectedSubscribe()
#MID0127_JobAbort()

#time.sleep(1)
#MID0034_JobInfoSubscribe_04()
#time.sleep(2)
#MID0020_GangReset()
#MTD0051_VINSubscribe_Rev2()

```

Note:

For trace subscription, It is mandate to subscribe for the MID 0008 which is trace subscribe. In this case after running the EOR, corresponding trace will be generated and plotted on the python console.

It will be differing based on the custom software/simulator used by different customers.

7. Now open “main.py” file in python editor
8. Enter the Controller IP address and port number of the controller as shown below and save.

