**Fix Weekly P6 – Look Ahead Report column “Status Needed” if irreversible global change occurred**

**Python 2.7 Script**

A Python 2.7 script to transfer over the column “UDF – Integer” or “Status Needed” from the previous week’s schedule to current weeks schedule.

The Python script is designed to import two excel spreadsheets, the previous week’s schedule and the current week’s schedule. The script then finds out what activities were added in the current week and filters those out. Then it takes the previous weeks values in the “UDF – Integer” column and transfers them over correctly to the current week. Then outputs an Excel File called “PythonExport” that the user can use to import back into P6 with the correct “Status Needed” values.

**Installation**

Oracle P6, Microsoft Excel, Python 2.7 must be installed.

Within the Python environment Pandas, Numpy and xlsxwriter must be installed. In the Python script, one must direct the Python to the correct folder. This can be done in the Python script by using or changing the following code:  
  
*os.chdir(‘X:\groupdirs\0727\NND - Planning & Scheduling\Collaborative Documentation\Weekly excel schedule look ahead\Fix 'Status Needed' field after Global Change 003 problem using Python 27’)*

The default path is above. If you ever need to change the folder location for the files and python script the best strategy is to change the path above in the file “fix\_p6\_status\_column.py”. It should be located near the top of the file.

**Usage**

1. In Oracle P6, set up an export that exports the following columns to an Excel file ***WITH NO FITLER***:
   1. Activity ID
   2. Activity Status
   3. WBS Code
   4. Activity Name
   5. UDF - Integer
2. Run the export twice. Once on the previous weeks schedule and once on the current weeks schedule.
   1. Save the files to same location as the python script “fix\_p6\_status\_column.py”
   2. Save last week’s schedule as “last\_week”.
   3. Save current week’s schedule as “current\_week”.
   4. Make sure they are Excel files that end in “.xls”
3. Run the python script “fix\_p6\_status\_column.py”
4. The file “PythonExport.xlsx” should be in the same as the python script.
5. Use the file “PythonExport.xlsx” to import the correct “Status Needed” values into the current weeks schedule.

**History**

1.0 Created by Aaron Melton

**Credits**

Whole bunch of Stack Exchange articles I cannot count.

**License**

Not aware of any license issues at this time. All tools besides Excel are open source. Please contact IST for any other questions about licensing.

[**Raw**](https://gist.github.com/zenorocha/4526327/raw/5b41e986a8ac81cf97f53cb2015f07b21c0795b9/readme.sublime-snippet)