# Proposed Risk Calc Scoring Process with Python Implementation

All Python Steps will be in black font

All Excel Steps will be in blue font.

1. Consolidate all 6 GIBBS files into 1 master file.
2. Remove Product segments that are small-to-mid contract, subdivision, vista, xpress, or xpress plus.
3. Remove product segment where Core Contract AND US based office
4. Remove all FYE statements that do not equal 12
5. Remove rows that do not have status of Review, Qualified Audit, or Unqualified Audit
6. Remove rows as listed in Mapping Table H
7. Output resulting Consolidated FAWs tab so that Raj can do the next step
8. Update Mapping Table D
   1. Manually research columns needed
9. Update column M of Mapping File
10. Upload updated mapping table back into process somehow so code can reference
11. Populate the 36 data fields outlined in the “Moody’s RiskCalc Implementation Notes Rajiv Updates” file. With the exception of:
    1. ERM ID
    2. ERM Sector
    3. Analyzed Sector?
12. Generate resulting Consolidated FAWs tab so that Raj can do the next step
13. t
14. Run the 3 Monthly Identification Filters columns XT-XV (will have to figure out how to do in python) to remove and identify which rows to score
15. Split data into the 7 risk calc models currently in use
16. Using the Manual Mapping Table update which companies to score
17. Identify Max Statement Year
18. Split data by Risk Calc Model
19. Divide all data by 1000 for proper formatting
20. Duplicate data back 5 years and replace statement date for each iteration to year/month prior
21. Provide separate CSV files for each risk model and output information for Statement mapped date, Max FYE, Current Mapped date and Delete Line. Include all rows where delete line is listed as “Yes”