This document describes the format of the xslx Excel workbook which may be transformed into BCL components by the script ComponentSpreadsheet.rb in the OpenStudio BCL Ruby bindings. See the example component file ExampleComponentSpreadsheet.xlsx for a full example.

Each worksheet is user configurable, however there are some rules. The first row in the spreadsheet consists of named merged cells which delimit groups of columns. Each group type has a fixed column structure, the second row names these columns. The types of groups allowed are:

Description   
Rules: This group should occur only once and should be first group. Instead of actually writing “Description”, write the ‘.’ delimited BCL taxonomy category. Each component should have a unique name. If the uid is left blank a new one will be assigned otherwise the previous uid will be used. A new version\_id is always generated.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MEL.computer | | | | |
| name | uid | version\_id | description | fidelity\_level |
| Laptop |  |  | Generic 15" laptop | 0 |
| Desktop With Monitor |  |  | Generic 8 core desktop with 21" monitor | 0 |
| Desktop |  |  | Generic 8 core desktop with no monitor | 0 |

Provenance  
Rules: Datetime format is TDB, do not populate for now

|  |  |  |
| --- | --- | --- |
| provenance | | |
| author | datetime | comment |
| dmacumbe |  | Totally made up |
| dmacumbe |  | Totally made up |
| dmacumbe |  | Totally made up |

Tag  
Rules: the second row should be left blank, there is some confusion right now about whether or not user defined tags are allowed in the upload process (Allan says can only have one tag which must be component type)

|  |  |  |
| --- | --- | --- |
| tag | tag | tag |
|  |  |  |
| computer | laptop |  |
| computer | desktop | monitor |
| computer | desktop |  |

Attribute  
Rules: The unit string will be parsed out using the ( ).

|  |  |
| --- | --- |
| attribute | attribute |
| screen size (in) | wattage (W) |
| 15 | 100 |
| 21 | 600 |
|  | 500 |

Source  
Rules:

|  |  |
| --- | --- |
| source | |
| manufacturer | url |
| Comp Inc | [www.compinc.com/generic\_laptop.html](http://www.compinc.com/generic_laptop.html) |
| Comp Inc | [www.compinc.com/generic\_desktop\_w\_monitor.html](http://www.compinc.com/generic_desktop_w_monitor.html) |
| Comp Inc | [www.compinc.com/generic\_desktop.html](http://www.compinc.com/generic_desktop.html) |

File  
Rules:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| file | | | | |
| software\_program | identifier | filename | filetype | filepath |
| CompModeller | 1.0.0 | laptop.txt | txt | c:\computers\laptop.txt |
| CompModeller | 1.0.0 | desktop\_with\_monitor.txt | txt | c:\computers\desktop\_with\_monitor.txt |
| CompModeller | 1.0.0 | desktop.txt | txt | c:\computers\desktop.txt |