**Readme-ET100series-Files.docx**

The following accompanying files are provided with the test specification for the test cases.

***Measurement Files***

* **ET110A-Measurement-GMT+1.csv:** Hourly data for TcellA, QfanA, HWDsafrA (supply airflow rate), and the six Cell-A guard-zone temperatures for inputs, and Qhtr for output comparison.
  + Data apply units shown in the file header (row 4).
  + Hourly data is provided from 1/26/00 12:00pm (beginning of Period 1) through 2/11/00 09:00am (end of ET110) local France time zone (GMT+1)
    - Time convention is hour = preceding hour interval; e.g., hour 12 (“12:00”) = interval from 11:00A to 12:00P (Noon).
    - *Historical note: The data was originally recorded as if in GMT time. To align the data with AMY weather data, the data is shifted to GMT+1; e.g., data originally designated as 2/11/00 08:00 (GMT) was designated as 2/11/00 09:00 (GMT+1).*
      * *This is more important for the natural climate cases.*
* **ET110B-Measurement-GMT+1.csv:** Hourly data for TcellB, QfanB, HWDsafrB (supply airflow rate) and the six Cell-B guard-zone temperatures for inputs, and Qhtr for output comparison.
  + The same sub-bullets for ET110A (above) apply for ET110B.
* **ET100A-Measurement-GMT+1.csv:** Hourly data for TcellA, QfanA, HWDsafrA, and the six Cell-A guard-zone temperatures for inputs, and Qhtr for output comparison.
  + The same sub-bullets for ET110A (above) apply for ET100A, except
  + Hourly data is provided from 9/08/00 16:00 (beginning of Period 1) through 9/18/00 14:00 (end of ET100A) local France time zone (GMT+1), with same preceding hour-interval time convention
* **ET100B-Measurement-GMT+1.csv:** Hourly data for TcellA, QfanA, HWDsafrA, and the six Cell-A guard-zone temperatures for inputs, and Qhtr for output comparison.
  + The same sub-bullets for ET100A (above) apply for ET100B, except
  + Hourly data is provided from 9/08/00 16:00 (beginning of Period 1) through 9/18/00 15:00 (end of ET100B) local France time zone (GMT+1)
* **ET100series-MeasBasedSurfFlux-GMT+1.xlsx:** This includes hourly measurement-based derived total surface flux values for the best steady state period. These values can be compared with outputs required in “ET100series-Output-GMT+1.xlsx”; see “Output Reporting Templates” below.
* **ET110meteoGMT+1\_within\_Melun-071530\_MY.2000\_v3.epw:** This data may be applied as dummy (although representative) weather data, if needed, for artificial-climate Cases ET110 and ET100
  + Time zone = GMT+1
  + Selected local site weather data for ODB, RH, wind speed, wind direction, and Patm during the test period of 1/26/00/12:00 through 2/11/00/09:00 was integrated with local Melun, France AMY weather data.
    - *Acknowledgement: Thanks to Dru Crawley and Linda Lawrie for providing AMY data via onebuilding.org* [*http://climate.onebuilding.org/WMO\_Region\_6\_Europe/Region6\_Europe\_EPW\_Processing\_locations.kml*](http://climate.onebuilding.org/WMO_Region_6_Europe/Region6_Europe_EPW_Processing_locations.kml)
  + Unlike for the ET110 cases recorded during an earlier data period, local ETNA weather data was not recorded for the solely artificial-climate data period during which Case ET100 occurred, so only nearby Melun weather data is provided for the data collection time period corresponding with this case.

***Output Reporting Templates***

* **ET100series-Output-GMT+1.xlsx:** Output template
  + Includes following required output for both test cells:
    - Separate tabs for each test case: ET110A1, ET110A2, ET110B1, ET110B2, ET100A1, ET100B1, ET100A3, ET100B3,
    - Required output is specified in the “Output Requirements” section for each test case.
* **ModRep\_Proforma\_ET100Series.docx:** Modeling proforma report for entering modeling techniques and notes, as called out in Section 2.1.
* **ModRep\_Proforma\_ET100Series\_Example.docx:** Example modeling notes.

***\SupplementaryFile (informative)***

* **ET110-spec-AppC-draft (080723).docx:** Detailed determinations of measured surface UA values, measured combined surface heat transfer coefficients, and imputation of selected material properties based on measured data. Excel spreadsheets referenced within Appendix C are available upon request; contact Jeannie Kim ([jihyun.kim@anl.gov](mailto:jihyun.kim@anl.gov)) with cc to Joel Neymark ([neymarkj@msn.com](mailto:neymarkj@msn.com)).