CBECC-Com Input Data Model changes from 2016.3.0-SP1 (5302, Dec 2017) to 2016.3.0-SP2 (5583, July 2018):

The compliance engine includes a backward compatibility mechanism that automatically addresses most data model changes, where property names or enumeration strings are revised or removed as the data model evolves. This mechanism also includes logic to write messages to project logs when backward compatibility for certain properties is expected to impact compliance analysis of a previous vs. current version of the tool. Additions to the data model or changes that require user input to determine the appropriate translation of properties/enumerations from previous to a current tool version are not something that the compliance engine supports in most cases.

```
Proj              Project

  CHANGED
      StdsVersion             StandardsVersion                              Enumeration  - Defaulted
                                  default: -1
                                      1:  "Compliance2014"      Removed outdated selection

  ADDED
      PrescriptiveDayltgException   PrescriptiveDaylightingException
                                  default: 0
                                      1:  "Yes"
                                      2:  "No"
      ExcptCondWtrHtrPrscrp   ExceptionalConditionWaterHeaterPrescriptive
                                  default: 2
                                      1:  "Yes"
                                      2:  "No"
      AnnualSolFrac           AnnualSolarFraction                           Float        - CondRequired input, 0 <= Value <= 0.99
      SimVarsFlagSetAll       SimulationVariablesFlagSetAll                 Integer      - Optional input
      SimVarsHVACSecTempFlow  SimulationVariablesHVACSecondaryTemperatureFlow  Integer   - Optional input
      SimVarsHVACZnTempFlow   SimulationVariablesHVACZoneTemperatureFlow    Integer      - Optional input
      SimVarsHtRcvry          SimulationVariablesHeatRecovery               Integer      - Optional input


Mat               Material

  CHANGED
      CodeItem                CodeItem                                      Enumeration  - Compulsory input
                              When:  Mat:CodeCat = "Air"            New Option
                                  default: 0
                                      1018:  "Vented Crawl Space"   New Option
                              When:  Mat:CodeCat = "Building Membrane"   New Option
                                  default: 0
                                      3005:  "Roofing Felt - 15 pound"   New Option
                                      3006:  "Roofing Felt - 30 pound"   New Option
                              When:  Mat:CodeCat = "Insulation Board"
                                  default: 0
                                      9171:  "Compliance Insulation R4.50"   New Option
                              When:  Mat:CodeCat = "Insulation Other"
                                  default: 0
                                      11001:  "Soil"                New Option
                                      11002:  "Adobe"               New Option
```

```
When:  Mat:CodeCat = "Woods"
         default:  0
            25000:  "Ash - 1 in."               Removed – map to: "Hardwood - 1 in."
            25001:  "Birch - 1 in."             Removed – map to: "Hardwood - 1 in."
            25002:  "California Redwood - 1 in." Removed – map to: "Softwood - 1 in."
            25003:  "Douglas Fir Larch - 1 in." Removed – map to: "Softwood - 1 in."
            25007:  "Maple - 1 in."             Removed – map to: "Hardwood - 1 in."
            25008:  "Oak - 1 in."               Removed – map to: "Hardwood - 1 in."
            25009:  "Pine (oven-dried) - 1 in." Removed – map to: "Softwood - 1 in."
            25010:  "Wood - 1 in."              Removed – map to: "Softwood - 1 in."
            25011:  "Wood - 1/2 in."            Removed – map to: "Softwood - 1/2 in."
            25012:  "Wood - 2 in."              Removed – map to: "Softwood - 2 in."
            25013:  "Wood - 4 in."              Removed – map to: "Softwood - 4 in."
            25011:  "Softwood - 1/2 in."        New Option (renamed from Wood…)
            25010:  "Softwood - 1 in."          New Option (renamed from Wood…)
            25015:  "Softwood - 1.5 in."        New Option
            25012:  "Softwood - 2 in."          New Option (renamed from Wood…)
            25013:  "Softwood - 4 in."          New Option (renamed from Wood…)
```

SpcFuncDefaults   **SpaceFunctionDefaults**

ADDED
```
    VentSpcFunc              VentilationSpaceFunction                          Enumeration  -  Optional input
```

CHANGED
```
    SpcFunc                  SpaceFunction                                     Enumeration  -  Compulsory input
                                 default:  0
                                    157:  "All Other"          New Option
```

Spc   **Space**

ADDED
```
    VentSpcFunc              VentilationSpaceFunction                          Enumeration  -  Optional input
```

CHANGED
```
    SpcFunc                  SpaceFunction                                     Enumeration  -  Compulsory input
                                 default:  0
                                    157:  "All Other"          New Option
```

Win   **Window**

CHANGED
```
    OverhangDepth            OverhangDepth       Minimum Value switched from 0.001 to 0.05   Float   -  Optional input  Value >= 0.05
    LeftFinDepth             LeftFinDepth        Minimum Value switched from 0.001 to 0.05   Float   -  Optional input  Value >= 0.05
    RightFinDepth            RightFinDepth       Minimum Value switched from 0.001 to 0.05   Float   -  Optional input  Value >= 0.05
```

```
ThrmlZn            ThermalZone

REMOVED
    HasNoClg               HasNoCooling                                          Integer      - Optional input


AirSys            AirSystem

CHANGED
    DuctLctn               DuctLocation                                          Enumeration  - Required input
                               default:  1
                                   4:   "None"          Removed – map to: "Ductless"
                                   4:   "Ductless"      New Option (renamed from "None")


ZnSys             ZoneSystem

CHANGED
    SubType                SubType                                               Enumeration  - Defaulted input
                       When:  ZnSys:Type = "MiniSplitAC"
                               default:  4              Default Switched from "Split3Phase" to "Split1Phase"
                                   2:   "Split3Phase"
                                   4:   "Split1Phase"
                       When:  ZnSys:Type = "MiniSplitHP"
                               default:  4              Default Switched from "Split3Phase" to "Split1Phase"
                                   2:   "Split3Phase"
                                   4:   "Split1Phase"
    DuctLctn               DuctLocation                                          Enumeration  - Required input
                               default:  1
                                   4:   "None"          Removed – map to: "Ductless"
                                   4:   "Ductless"      New Option (renamed from "None")


HtRej             HeatRejection

ADDED
    LowSpdCapRtd           LowSpeedCapacityRated                                 Float   Units: Btu/h - Defaulted input
    SprayWtrFlowCap        SprayWaterFlowCapacity                                Float   Units: gpm   - CondRequired input  Value >= 0

CHANGED
    Type                   Type                                                  Enumeration  - Defaulted input
                               default:  -1
                                   1:   "OpenTower"
                                   2:   "ClosedTower"
                                   3:   "ClosedTowerEvaporative"    New Option
```