

CBECC-Com Input Data Model changes from version 3b (717, March 2015) to 3c (760, June 2015):

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 facilitates.

Proj	Project		
REMOVED			
PermitMonth	PermitMonth		
PermitDay	PermitDay		
PermitYear	PermitYear		
BldgOwnerName	BuildingOwnerName		
BldgOwnerCompany	BuildingOwnerCompany		
BldgOwnerAddress	BuildingOwnerAddress		
BldgOwnerCity	BuildingOwnerCity		
BldgOwnerState	BuildingOwnerState		
BldgOwnerZipCode	BuildingOwnerZipCode		
BldgOwnerPhone	BuildingOwnerPhone		
NRCAMch02A	NRCAMch02A		
NRCAMch03A	NRCAMch03A		
NRCAMch04H	NRCAMch04H		
NRCAMch05A	NRCAMch05A		
NRCAMch06A	NRCAMch06A		
NRCAMch07A	NRCAMch07A		
NRCAMch08A	NRCAMch08A		
NRCAMch09A	NRCAMch09A		
NRCAMch10A	NRCAMch10A		
NRCAMch11A	NRCAMch11A		
NRCAMch12A	NRCAMch12A		
NRCAMch13A	NRCAMch13A		
NRCAMch14A	NRCAMch14A		
NRCAMch15A	NRCAMch15A		
NRCAMch16A	NRCAMch16A		
NRCAMch17A	NRCAMch17A		
NRCAMch18A	NRCAMch18A		
ADDED			
StdsVersion	StandardsVersion	Enumeration	- Defaulted input
	default: -1		
	1: "Compliance2014"		
	2: "Compliance2015"		
EnvDsgnrType	EnvelopeDesignerType	Enumeration	- Optional input
	default: 1		
	1: " - specify - "		

- 2: "Architect"
- 3: "Engineer"
- 4: "Contractor"
- 5: "Builder/Owner"

ItgDsgnrType LightingDesignerType Enumeration - Optional input
 default: 1
 1: " - specify - "
 2: "Architect"
 3: "Engineer"
 4: "Contractor"
 5: "Builder/Owner"

MechDsgnrType MechanicalDesignerType Enumeration - Optional input
 default: 1
 1: " - specify - "
 2: "Architect"
 3: "Engineer"
 4: "Contractor"
 5: "Builder/Owner"

CHANGED

ArchDsgnrName	ArchitecturalDesignerName	->	EnvDsgnrName	EnvelopeDesignerName
ArchDsgnrLicense	ArchitecturalDesignerLicense	->	EnvDsgnrLicense	EnvelopeDesignerLicense
ArchDsgnrCompany	ArchitecturalDesignerCompany	->	EnvDsgnrCompany	EnvelopeDesignerCompany
ArchDsgnrAddress	ArchitecturalDesignerAddress	->	EnvDsgnrAddress	EnvelopeDesignerAddress
ArchDsgnrCity	ArchitecturalDesignerCity	->	EnvDsgnrCity	EnvelopeDesignerCity
ArchDsgnrState	ArchitecturalDesignerState	->	EnvDsgnrState	EnvelopeDesignerState
ArchDsgnrZipCode	ArchitecturalDesignerZipCode	->	EnvDsgnrZipCode	EnvelopeDesignerZipCode
ArchDsgnrPhone	ArchitecturalDesignerPhone	->	EnvDsgnrPhone	EnvelopeDesignerPhone

CompType ComplianceType Enumeration - Compulsory input
 default: -1
 1: "NewComplete"
 2: "NewEnvelope"
 3: "NewEnvelopeAndLighting"
 4: "NewEnvelopeAndPartialLighting"
 5: "NewEnvelopeAndMechanical"
 6: "NewMechanical"
 7: "NewMechanicalAndLighting"
 8: "NewMechanicalAndPartialLighting"
~~9: "NewEnvelopeAndMechanical"~~ REMOVED DUPLICATE
 9: "ExistingAddition" Updated Value
 10: "ExistingAlteration" Updated Value
 11: "ExistingAdditionAndAlteration" Updated Value

EnvDetailsLoc	EnvelopeDetailsLocation	->	EnvDetailsLctn	EnvelopeDetailsLocation
MechDetailsLoc	MechanicalDetailsLocation	->	MechDetailsLctn	MechanicalDetailsLocation
DHWDetailsLoc	DomesticHotWaterDetailsLocation	->	DHWDetailsLctn	DomesticHotWaterDetailsLocation
LtgDetailsLoc	LightingDetailsLocation	->	LtgDetailsLctn	LightingDetailsLocation
CompPathKitch	CompliancePathKitchen	->	CompPathKit	CompliancePathKitchen

CBCEC-Com Input Data Model changes from version 3b (717, March 2015) to 3c (760, June 2015)

LtgOutdoorComp	LightingOutdoorCompliance	->	LtgOutdrComp
SolarThermalComp	SolarThermalCompliance	->	SolThrmlComp
SolarReadyMandComp	SolarReadyMandatoryCompliance	->	SolReadyMandComp
ComRefrMandComp	CommercialRefrigerationMandatoryCompliance	->	ComRfrgMandComp
RefrWarehouseMandComp	RefrigerationWarehouseMandatoryCompliance	->	RfrgWarehouseMandComp
OutdoorCtrlsRpt	OutdoorControlsReport	->	OutdrCtrlsRpt

ConsAssm ConstructAssembly

REMOVED

SolReflASTMCertification	SolarReflectanceASTMCertification
ThrmlEmittanceASTMCertification	ThermalEmittanceASTMCertification
RoofAgedSolRefl	RoofAgedSolarReflectance
RoofAgedThrmlEmittance	RoofAgedThermalEmittance

CHANGED

CRRCInitialEmittance	CRRCInitialEmittance	->	CRRCInitialEmit
CRRCAgedEmittance	CRRCAgedEmittance	->	CRRCAgedEmit

FenCons FenestrationConstruction

CHANGED

ShadingCred	ShadingCredit	->	ShdgCred
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DrCons DoorConstruction

CHANGED

CertificationMthd	CertificationMethod	Enumeration	-	Required input
	default: 0			
	0: "- specify -"			
	1: "NFRCRated"			
	2: "CECDefaultPerformance"	->	"DefaultPerformance"	Updated String

Bldg Building

CHANGED

HotelMotelGuestRoomCnt	HotelMotelGuestRoomCount	->	HotelMotelGuestRmCnt
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Spc Space

REMOVED

PriSideDayltgRefPtCoord	PrimarySideDaylightingReferencePointCoordinate
SecSideDayltgRefPtCoord	SecondarySideDaylightingReferencePointCoordinate
BaseRecptPwrDens	BaselineReceptaclePowerDensity
BaseRecptSchRef	BaselineReceptacleScheduleReference

RecptPwrExcptCond	ReceptaclePowerExceptionalCondition
BaseGasEqpPwrDens	BaselineGasEquipmentPowerDensity
BaseGasEqpSchRef	BaselineGasEquipmentScheduleReference
GasEqpPwrDensExcptCond	GasEquipmentPowerDensityExceptionalCondition
BaseCommRfrgEPD	BaselineCommercialRefrigerationEPD
BaseCommRfrgEqpSchRef	BaselineCommercialRefrigerationEquipmentScheduleReference
CommRfrgEPDExcptCond	CommercialRefrigerationEPDExceptionalCondition
MandatoryLtgCtrlRpt	MandatoryLightingControlReport

ADDED
HasProcExh HasProcessExhaust Integer - Defaulted input

CHANGED
IsHotelMotelGuestRoom IsHotelMotelGuestRoom -> IsHotelMotelGuestRm
HotelMotelGuestRoomCondFlrArea HotelMotelGuestRoomConditionedFloorArea -> HotelMotelGuestRmCondFlrArea

IntLtgSys InteriorLightingSystem

REMOVED
ParentSpcFunc ParentSpaceFunction

Roof Roof

REMOVED
RoofAgedSolRefl RoofAgedSolarReflectance
RoofAgedThrmEmittance RoofAgedThermalEmittance

CHANGED
CRRCInitialEmittance CRRCInitialEmittance -> CRRCInitialEmit
CRRCagedEmittance CRRCagedEmittance -> CRRCagedEmit

AirSys AirSystem

REMOVED
StaticPressRstCtrl StaticPressureControl
DsgnAirFlowMin DesignAirFlowMinimum

CHANGED
SubType SubType Enumeration - Defaulted input
 default: 1
 1: "SinglePackage" -> "Packaged3Phase" Updated String
 2: "SplitSystem" -> "Split3Phase" Updated String
 3: -> "Packaged1Phase" New String
 4: -> "Split1Phase" New String
 5: "CRAC" -> "CRAC" Updated Value (3->5)
 6: "CRAH" -> "CRAH" Updated Value (4->6)

Mch02A -> NRCAMch02A
Mch03A -> NRCAMch03A

Mch04A -> NRCAMch04H
Mch05A -> NRCAMch05A
Mch06A -> NRCAMch06A
Mch07A -> NRCAMch07A
Mch08A -> NRCAMch08A
Mch09A -> NRCAMch09A
Mch10A -> NRCAMch10A
Mch11A -> NRCAMch11A
Mch12A -> NRCAMch12A
Mch13A -> NRCAMch13A
Mch14A -> NRCAMch14A
Mch15A -> NRCAMch15A
Mch16A -> NRCAMch16A
Mch17A -> NRCAMch17A
Mch18A -> NRCAMch18A

ZnSys ZoneSystem

CHANGED

Status	Status	Enumeration - Defaulted input
	default: 1	
	1: "New" -> "New"	unchanged
	2: "Existing" -> "Existing"	unchanged
	3: "Altered" -> "	Option REMOVED
Type	Type	Enumeration - Compulsory input
	default: 1	
	1: -> "SZAC"	New option
	2: -> "SZHP"	New option
	3: "FPFC" -> "FPFC"	unchanged
	4: "WSHP" -> "WSHP"	Value changed (5->4)
	5: "PTAC" -> "PTAC"	Value changed (1->5)
	6: "PTHP" -> "PTHP"	Value changed (2->6)
	7: "Baseboard" -> "Baseboard"	Value changed (4->7)
	8: "Exhaust" -> "Exhaust"	Value changed (6->8)

Mch02A -> NRCAMch02A
Mch03A -> NRCAMch03A
Mch04A -> NRCAMch04H
Mch05A -> NRCAMch05A
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Mch07A -> NRCAMch07A
Mch08A -> NRCAMch08A
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Mch10A -> NRCAMch10A
Mch11A -> NRCAMch11A
Mch12A -> NRCAMch12A
Mch13A -> NRCAMch13A
Mch14A -> NRCAMch14A
Mch15A -> NRCAMch15A
Mch16A -> NRCAMch16A
Mch17A -> NRCAMch17A
Mch18A -> NRCAMch18A

ADDED

SubType	SubType	Enumeration	-	Defaulted input	
	default: 3				
	1: "Packaged3Phase"				
	2: "Split3Phase"				
	3: "Packaged1Phase"				
	4: "Split1Phase"				
DuctIns	DuctInsulation	Float	-	Units: °F-ft2-h/Btu	Optional input
DuctLctn	DuctLocation	Enumeration	-		Optional input
	default: 0				
	0: "- specify -"				
	1: "Conditioned"				
	2: "Unconditioned"				
	3: "NA"				
HERSDuctReq	HERSDuctRequired	Integer	-		Defaulted input

CoilClg CoilCooling

ADDED

CoilHdDsgn	CoilHeadDesign	Float	-	Units: ft H20	Defaulted input
BypassMinEffCheck	BypassMinimumEfficiencyCheck	Integer	-		Defaulted input

CoilHtg CoilHeating

ADDED

CoilHdDsgn	CoilHeadDesign	Float	-	Units: ft H20	Defaulted input
BypassMinEffCheck	BypassMinimumEfficiencyCheck	Integer	-		Defaulted input

FluidSys FluidSystem

CHANGED

TempCtrl	TemperatureControl	Enumeration	-	Defaulted input	
	default: -1				
	1: "Fixed"	-> "Fixed"			unchanged
	2: "Scheduled"	-> "Scheduled"			unchanged
	3: "OutsideAirReset"	-> "OutsideAirReset"			unchanged
	4: "WetBulbReset"	-> "WetBulbReset"			unchanged
	5: "FixedDualSetpoint"	-> "FixedDualSetpoint"			unchanged
	6: "ScheduledDualSetpoint"	-> "ScheduledDualSetpoint"			Option REMOVED
Number	Number	-> SolCollectorCnt		SolarCollectorCount	
NumOfIdenticalDwellingUnits	NumberOfIdenticalDwellingUnits			Type changed from Float to Integer	
Mch02A	-> NRCAMch02A				
Mch03A	-> NRCAMch03A				
Mch04A	-> NRCAMch04H				
Mch05A	-> NRCAMch05A				
Mch06A	-> NRCAMch06A				

Mch07A	->	NRCAMch07A
Mch08A	->	NRCAMch08A
Mch09A	->	NRCAMch09A
Mch10A	->	NRCAMch10A
Mch11A	->	NRCAMch11A
Mch12A	->	NRCAMch12A
Mch13A	->	NRCAMch13A
Mch14A	->	NRCAMch14A
Mch15A	->	NRCAMch15A
Mch16A	->	NRCAMch16A
Mch17A	->	NRCAMch17A
Mch18A	->	NRCAMch18A

HtRej HeatRejection

CHANGED

Type	Type	Enumeration	-	Defaulted input
	default: -1			
	1: "OpenTower"	->	"OpenTower"	unchanged
	2: "ClosedTower"	->	"ClosedTower"	unchanged
	3: " GroundSourceHeatExchanger "	->		Option REMOVED
	4: " Lake "	->		Option REMOVED
	5: " Well "	->		Option REMOVED

WtrHtr WaterHeater

ADDED

CodeMinEF	CodeMinimumEF	Float	-	Optional input
PilotEnergyRpt	PilotEnergyReport	Integer	- Units: Btu/hr	Optional input

FluidSys FluidSystem

CHANGED

Number	Number	->	SolCollectorCnt	SolarCollectorCount
NumOfIdenticalDwellingUnits	NumberOfIdenticalDwellingUnits		Type changed from Float to Integer	

RecircWtrHtr RecirculationWaterHeater

ADDED

Cnt	Count	Integer	-	Optional input
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