**CES to BCES Table and Column Mapping Document**

**1. Engines**

* **Requirements Satisfied: R15, R16**
* **CES Table: CES.ENGINES**
* **BCES Table: BCES.Engines**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **NAME** | **Name** |  |

**2. PartTypes**

* **Requirements Satisfied: R1, R4, R6, R9, R10, R11, R12, R20, R21, R30, R31**
* **CES Table: CES.STOCK\_CODED\_PARTS**
* **BCES Table: BCES.PartTypes**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **PART\_TYPE** | **PartTypeName** |  |

**3. Suppliers**

* **Requirements Satisfied: R2, R5, R13, R14, R21, R25, R26, R32, R33**
* **CES Table: CES.NSC\_PARTS\_USED**
* **BCES Table: BCES.Suppliers**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **ORIG\_SUPP\_NUM** | **SupplierCode** |  |
| **ORIG\_SUPPLIER\_NAME** | **SupplierName** |  |

**4. ApplicationSettings**

* **Requirements Satisfied: R40**
* **CES Table: CES.ApplicationSettings**
* **BCES Table: BCES.ApplicationSettings**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **LabourOverhead** | **LabourOverhead** |  |
| **FringeValue** | **FringeValue** |  |
| **NonProductiveAdjustment** | **NonProductiveAdjustment** |  |
| **TaxRate** | **TaxRate** |  |
| **Use** | **Use** |  |

**5. YearMakeModel**

* **Requirements Satisfied: R37**
* **CES Table: CES.TYPE\_OF\_VEHICLE**
* **BCES Table: BCES.YearMakeModel**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **MAKE** | **Make** |  |
| **MODEL** | **Model** |  |
| **YEAR** | **Year** |  |

**6. SalaryRates**

* **Requirements Satisfied: R36**
* **CES Table: CES.EMPLOYEE\_SALARIES**
* **BCES Table: BCES.SalaryRates**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **WAGE\_GROUP** | **WageGroup** |  |
| **RATE\_PER\_HOUR** | **RatePerHour** |  |
| **DATE\_ENTERED** | **DateEntered** |  |

**7. LabourTypes**

* **Requirements Satisfied: R35**
* **CES Table: CES.EMPL\_CLASS**
* **BCES Table: BCES.LabourTypes**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **LABOUR\_DEFN** | **LabourDefinition** |  |
| **RATE\_PER\_HOUR** | **RatePerHour** |  |
| **HRS\_PER\_WEEK** | **HoursPerWeek** |  |
| **DATE\_ENTERED** | **DateEntered** |  |
| **OVERHEADTYPE** | **OverheadType** |  |

**8. LabourTaskDescriptions**

* **Requirements Satisfied: R34**
* **CES Table: CES.LABOUR\_TASK\_DESCRIPTIONS**
* **BCES Table: BCES.LabourTaskDescriptions**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **TASK\_DESCRIPTION** | **TaskDescription** |  |

**9. MakeVsBuyEstimates**

* **Requirements Satisfied: R28, R29, R30, R31, R32, R33**
* **CES Table: CES.MB\_LIST**
* **BCES Table: BCES.MakeVsBuyEstimates**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **MB\_NUMBER** | **MakeVsBuyNumber** |  |
| **KEYWORD** | **Keyword** |  |
| **DESCRIPTION** | **Description** |  |
| **NUM\_BUS\_COMP** | **NumberOfBusUsingComponent** |  |
| **VENDOR\_PART\_NUM** | **VendorPartNumber** |  |
| **BUY\_CODE** | **MMSBuyCode** |  |
| **REBUILD\_CODE** | **RebuiltCode** |  |
| **CORE\_CODE** | **CoreCode** |  |
| **CORE\_COST** | **CoreCost** |  |
| **ANNUAL\_USAGE** | **ProjectedAnnualUsage** |  |
| **BENCH\_NUMBER** | **BenchNumber** |  |
| **SOP\_NUMBER** | **SOPNumber** |  |
| **JOB\_NUMBER** | **JobNumber** |  |
| **EXTERNAL\_COST** | **ExternalRebuiltCost** |  |
| **REMAN\_COST** | **RemanufacturedExchangeCost** |  |
| **BUY\_NEW\_COST** | **BuyNewCost** |  |

**10. OEMKits**

* **Requirements Satisfied: R17, R23, R24**
* **CES Table: CES.KITS\_MASTERLIST**
* **BCES Table: BCES.OEMKits**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **PART\_NUMBER** | **PartNumber** |  |
| **DETAILED\_DESC** | **KitDetailedDescription** |  |
| **BRIEF\_DESCRIPTION** | **BriefDescription** |  |

**11. VehicleEstimates**

* **Requirements Satisfied: R15, R16, R17**
* **CES Table: CES.VEHICLE\_LIST**
* **BCES Table: BCES.VehicleEstimates**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **VEH\_SERIES\_CODE** | **VehicleSeriesCode** |  |
| **NUM\_OF\_VEHICLES** | **NumberOfVehicles** |  |
| **PROJ\_DESC** | **ProjectDescription** |  |
| **DATE\_ENTERED** | **DateEntered** |  |
| **ENTERED\_BY** | **EnteredBy** |  |
| **MODIFIED\_LAST\_BY** | **ModifiedLastBy** |  |
| **MAKE** | **Make** |  |
| **MODEL** | **Model** |  |
| **YEAR** | **Year** |  |
| **ENGINE** | **EngineID** | **Foreign Key to BCES.Engines** |
| **TRANSMISSION** | **Transmission** |  |
| **DIFFERENTIAL** | **Differential** |  |
| **SOPNUMBER** | **SOPNumber** |  |

**12. BusSeries**

* **Requirements Satisfied: R1, R4, R6, R7, R9, R10, R11, R12, R19, R20, R21, R30, R31, R33**
* **CES Table: CES.LIST\_OF\_BUSES**
* **BCES Table: BCES.BusSeries**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **LIST\_ID** | **BusSeriesCode** |  |
| **DESCRIPTION** | **BusSeriesDescription** |  |

**13. RebuiltParts**

* **Requirements Satisfied: R1, R4, R6, R7, R9, R10, R11, R12, R19, R20, R21, R30, R31, R33**
* **CES Table: CES.RB\_MASTERLIST**
* **BCES Table: BCES.RebuiltParts**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **REBUILT\_STOCK\_NUM** | **RebuiltStockCode** |  |
| **DETAILED\_DESC** | **Description** |  |
| **KEYWORD** | **Keyword** |  |
| **JOB\_NUMBER** | **JobNumber** |  |
| **MMS\_BUY\_CODE** | **MMSBuyCode** |  |
| **TORE\_CODE** | **ToreCode** |  |
| **CORE\_COST** | **CoreCost** |  |
| **SOP\_NUMBER** | **SOPNumber** |  |
| **LAST\_MODIFIED\_BY** | **LastModifiedBy** |  |
| **LAST\_MODIFIED\_DATE** | **LastModifiedDate** |  |

**14. NonStockCodedParts**

* **Requirements Satisfied: R2, R3, R5, R13, R14, R21, R25, R26, R32, R33**
* **CES Table: CES.NSC\_PARTS\_USED**
* **BCES Table: BCES.NonStockCodedParts**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **ORIG\_SUPP\_NUM** | **SupplierNumber** |  |
| **ORIG\_SUPPLIER\_NAME** | **SupplierName** |  |
| **KEYWORD** | **Keyword** |  |
| **PART\_DESCRIPTION** | **PartDescription** |  |
| **COST** | **PartUnitCost** |  |
| **LAST\_MODIFIED\_BY** | **LastModifiedBy** |  |
| **LAST\_MODIFIED\_DATE** | **LastModifiedDate** |  |

**15. StockCodedParts**

* **Requirements Satisfied: R11, R12, R20, R21, R30, R31**
* **CES Table: CES.STOCK\_CODED\_PARTS**
* **BCES Table: BCES.StockCodedParts**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **MMS\_STOCK\_CODE** | **MMSStockCode** |  |
| **PART\_TYPE** | **PartType** |  |
| **PART\_DESCRIPTION** | **PartDescription** |  |
| **COST\_CENTRE** | **CostCentreID** | **Foreign Key to BCES.CostCentres** |
| **PERCENT\_USAGE** | **PercentUsage** |  |
| **QUANTITY** | **Quantity** |  |
| **LAST\_REVISED** | **LastRevised** |  |
| **CORE\_COST** | **CoreCost** |  |

**16. Materials**

* **Requirements Satisfied: R9, R10, R11, R12, R13, R14, R30, R31, R32, R33**
* **CES Table: CES.TEMP**
* **BCES Table: BCES.Materials**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **REBUILT\_NUMBER** | **RebuiltNumber** |  |
| **KEYWORD** | **Keyword** |  |
| **DESCRIPTION** | **Description** |  |
| **LAST\_REVISED** | **LastRevised** |  |
| **PART\_COST** | **PartCost** |  |

**17. LabourTasks**

* **Requirements Satisfied: R7, R8, R18, R29**
* **CES Table: CES.EMPLOYEE\_LABOUR**
* **BCES Table: BCES.LabourTasks**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **TASK\_DESCRIPTION** | **TaskDescriptionID** | **Foreign Key to BCES.LabourTaskDescriptions** |
| **LABOUR\_POSITION** | **LabourPosition** |  |
| **COST\_CENTRE** | **CostCentreID** | **Foreign Key to BCES.CostCentres** |
| **PERCENT\_USAGE** | **PercentUsage** |  |
| **HRS\_REQD** | **HoursRequiredH** |  |
| **ADJ\_HRS** | **HoursRequiredM** |  |

**18. EmployeeLabour**

* **Requirements Satisfied: R7**
* **CES Table: CES.EMPLOYEE\_LABOUR**
* **BCES Table: BCES.EmployeeLabour**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **LABOUR\_DEFN** | **LabourDefn** |  |
| **DATE\_ENTERED** | **DateEntered** |  |
| **LINK\_NUMBER** | **LinkNumber** |  |
| **TYPEID** | **TypeID** |  |
| **COST\_CENTRE** | **CostCentre** |  |
| **TASK** | **Task** |  |
| **LABOUR\_TYPE** | **LabourType** |  |
| **USAGE** | **Usage** |  |
| **HRS\_REQD** | **HrsReqd** |  |
| **ADJ\_HRS** | **AdjHrs** |  |
| **DATE\_REVISED** | **DateRevised** |  |
| **TIME\_ADDITION** | **TimeAddition** |  |
| **REBUILT\_PART\_NUM** | **RebuiltPartNum** |  |
| **LAST\_MODIFIED\_BY** | **LastModifiedBy** |  |

**19. CostCentres**

* **Requirements Satisfied: R7, R8, R11, R12, R13, R14, R18, R20, R21, R22, R25, R26, R29, R30, R31, R32, R33**
* **CES Table: CES.COST\_CENTRES**
* **BCES Table: BCES.CostCentres**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **COST\_CENTRE** | **CostCentreCode** |  |
| **DESCRIPTION** | **CostCentreDescription** |  |

**20. Transmissions**

* **Requirements Satisfied: R15, R16**
* **CES Table: CES.TRANSMISSIONS**
* **BCES Table: BCES.Transmissions**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **NAME** | **Name** |  |

**21. Differentials**

* **Requirements Satisfied: R15, R16**
* **CES Table: CES.DIFFERENTIAL**
* **BCES Table: BCES.Differentials**

| **CES Column** | **BCES Column** | **Comments** |
| --- | --- | --- |
| **NAME** | **Name** |  |

**Summary of Additional Tables and Requirements**

**1. Engines**

* **Added: To manage engine information.**
* **Requirements Satisfied: R15, R16**

**2. PartTypes**

* **Added: To manage part types.**
* **Requirements Satisfied: R1, R4, R6, R9, R10, R11, R12, R20, R21, R30, R31**

**3. Suppliers**

* **Added: To manage supplier information.**
* **Requirements Satisfied: R2, R5, R13, R14, R21, R25, R26, R32, R33**

**4. ApplicationSettings**

* **Added: To manage application settings.**
* **Requirements Satisfied: R40**

**5. YearMakeModel**

* **Added: To manage year/make/model information.**
* **Requirements Satisfied: R37**

**6. SalaryRates**

* **Added: To manage salary rates.**
* **Requirements Satisfied: R36**

**7. LabourTypes**

* **Added: To manage labour types.**
* **Requirements Satisfied: R35**

**8. LabourTaskDescriptions**

* **Added: To manage labour task descriptions.**
* **Requirements Satisfied: R34**

**9. MakeVsBuyEstimates**

* **Added: To manage Make vs. Buy estimates.**
* **Requirements Satisfied: R28, R29, R30, R31, R32, R33**

**10. OEMKits**

* **Added: To manage OEM kits.**
* **Requirements Satisfied: R17, R23, R24**

**11. VehicleEstimates**

* **Added: To manage vehicle estimates.**
* **Requirements Satisfied: R15, R16, R17**

**12. BusSeries**

* **Added: To manage bus series information.**
* **Requirements Satisfied: R1, R4, R6, R7, R9, R10, R11, R12, R19, R20, R21, R30, R31, R33**

**13. RebuiltParts**

* **Added: To manage rebuilt parts.**
* **Requirements Satisfied: R1, R4, R6, R7, R9, R10, R11, R12, R19, R20, R21, R30, R31, R33**

**14. NonStockCodedParts**

* **Added: To manage non-stock coded parts.**
* **Requirements Satisfied: R2, R3, R5, R13, R14, R21, R25, R26, R32, R33**

**15. StockCodedParts**

* **Added: To manage stock-coded parts.**
* **Requirements Satisfied: R11, R12, R20, R21, R30, R31**

**16. Materials**

* **Added: To manage materials.**
* **Requirements Satisfied: R9, R10, R11, R12, R13, R14, R30, R31, R32, R33**

**17. LabourTasks**

* **Added: To manage labour tasks.**
* **Requirements Satisfied: R7, R8, R18, R29**

**18. EmployeeLabour**

* **Added: To manage employee labour information.**
* **Requirements Satisfied: R7**

**19. CostCentres**

* **Added: To manage cost centre information.**
* **Requirements Satisfied: R7, R8, R11, R12, R13, R14, R18, R20, R21, R22, R25, R26, R29, R30, R31, R32, R33**

**20. Transmissions**

* **Added: To manage transmission information.**
* **Requirements Satisfied: R15, R16**

**21. Differentials**

* **Added: To manage differential information.**
* **Requirements Satisfied: R15, R16**

**Summary of Foreign Key Constraints**

**1. BCES.VehicleEstimates**

* **FK\_VehicleEstimates\_Engines: Links VehicleEstimates to Engines for engine information.**
* **FK\_VehicleEstimates\_Transmissions: Links VehicleEstimates to Transmissions for transmission information.**
* **FK\_VehicleEstimates\_Differentials: Links VehicleEstimates to Differentials for differential information.**
* **FK\_VehicleEstimates\_YearMakeModel: Links VehicleEstimates to YearMakeModel for year/make/model information.**

**2. BCES.RebuiltParts**

* **FK\_RebuiltParts\_BusSeries: Links RebuiltParts to BusSeries for bus series information.**
* **FK\_RebuiltParts\_PartTypes: Links RebuiltParts to PartTypes for part type information.**

**3. BCES.NonStockCodedParts**

* **FK\_NonStockCodedParts\_RebuiltParts: Links NonStockCodedParts to RebuiltParts for rebuilt part information.**
* **FK\_NonStockCodedParts\_Suppliers: Links NonStockCodedParts to Suppliers for supplier information.**
* **FK\_NonStockCodedParts\_CostCentres: Links NonStockCodedParts to CostCentres for cost centre information.**

**4. BCES.StockCodedParts**

* **FK\_StockCodedParts\_RebuiltParts: Links StockCodedParts to RebuiltParts for rebuilt part information.**
* **FK\_StockCodedParts\_CostCentres: Links StockCodedParts to CostCentres for cost centre information.**

**5. BCES.Materials**

* **FK\_Materials\_RebuiltParts: Links Materials to RebuiltParts for rebuilt part information.**

**6. BCES.LabourTasks**

* **FK\_LabourTasks\_RebuiltParts: Links LabourTasks to RebuiltParts for rebuilt part information.**
* **FK\_LabourTasks\_LabourTaskDescriptions: Links LabourTasks to LabourTaskDescriptions for task description information.**
* **FK\_LabourTasks\_CostCentres: Links LabourTasks to CostCentres for cost centre information.**

**7. BCES.EmployeeLabour**

* **FK\_EmployeeLabour\_LabourTypes: Links EmployeeLabour to LabourTypes for labour type information.**
* **FK\_EmployeeLabour\_SalaryRates: Links EmployeeLabour to SalaryRates for salary rate information.**