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# OVERVIEW

In the ISeries Hog Procurement & Evaluation System (HPE), the Producers are paid for their supply of hogs processed at the plant. These payment vouchers will have to be integrated into the M3 Accounts Payable system and General Ledger.

# SCOPE

## Divisions Impacted

Seaboard Foods

Triumph Foods

## Functional Areas Impacted

Producer Voucher

Trucker Voucher

General Ledger Posting

## Systems Impacted

Hog Procurement & Evaluation

## Assumptions

# INTEGRATION REQUIREMENTS

## HPE System

1. Create a company value to turn on when M3 A/P is active.
2. When M3 A/P is Active, then don’t call the current A/P interface programs HPEVCHL/HPEVCHE/HPEVCH
   1. OR when active output to the M3 intermediate files.
3. Still call the Edit program to check for errors: HPEVCHE
4. 3 Document types processed – header and details:
   1. Internal producer voucher 🡪 map to file to be read/translated by Informatica
   2. External Producer voucher🡪 map to file to be read/translated by Informatica
   3. Trucker Voucher🡪 map to file to be read/translated by Informatica

***Which table or tables are we mapping to? FAPIBH and FAPIBL (Supplier invoice batch header/lines)***

## EDW

1. Have translation table with GL Code and M3 DIM1 – DIM7 equivalent
2. Provide User Interface to keep these updated
3. Cross reference for existing accounts: [HPE JDE ACCT.xls](HPE%20JDE%20ACCT.xls)
4. Translate above voucher header/details to xml for input to M3
   1. Map to FAPBIH and FAPBIL (?)
      1. Create input file schema for the M3 Batch Header Control file – if applicable (JDE F0011)
      2. Create input file schema for the M3 check file(s) -- (JDE F0411/F0413/F0414)

## M3

1. ***Use MEC to map staging tables from an xml format into M3 tables***
2. Notify Plant Accounting that Payment batch is available to review/process.
3. ***Update HPE after payment posted in the process and when available with BOD \_\_\_\_\_??***
   1. Tattoo header with Actual check Date, Payment Date, and AP Voucher Document #
   2. HPE Voucher Header with Process Status = P and AP Voucher/Document#, Date
   3. Tattoo header driver with Payment Date and AP Voucher document #

## Integration Frequency

Runs daily per Guymon and Triumph Plants

## Mapping

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Source File/Table | Source Field | Data type | Target file/Table | Target Field | Target Data Type | Translation Details |
| PKBKCPP | BKHNNB | PACK 3.0 | FAPIBH | E5CONO | Decimal | VCH Company number |
| PKBKCPP | BKLWNB | PACK 5.0 | FAPIBH | E5INBN | Decimal | VCH Batch Number |
| PKBKCPP | BKG9NB | PACK 5.0 |  |  |  | VCH Header Number |
| PKBKCPP | BKLXNB | ZONE 8.0 | FAPIBH | E5SUNO |  | VCH AP Address Number |
| PKBKCPP | BKLYNB | PACK 8.0 | FAPIBH | E5VONO |  | VCH AP Voucher Number |
| PKBKCPP | BKCSST | CHAR 1 |  |  |  | VCH Payee Type |
| PKBKCPP | BKDKNB | ZONE 8.0 |  |  |  | VCH Manual Check Number |
| PKBKCPP | BKA2DT | PACK 7.0 |  |  |  | VCH Manual Check Date |
| PKBKCPP | BKCIPR | PACK 9.2 |  |  |  | VCH Base Mkt Price Amt |
| PKBKCPP | BKCJPR | PACK 9.2 |  |  |  | VCH Sort Disc Amt |
| PKBKCPP | BKCKPR | PACK 9.2 |  |  |  | VCH Yield Gain/Loss Amt |
| PKBKCPP | BKCLPR | PACK 9.2 |  |  |  | VCH Base Carcass Value |
| PKBKCPP | BKCMPR | PACK 9.2 |  |  |  | VCH LN Add on/Deduct Amt |
| PKBKCPP | BKAUVA | PACK 9.2 | FAPIBH | E5TOPA |  | VCH Gross Amt |
| PKBKCPP | BKAVVA | PACK 9.2 | FAPIBH | E5TASD |  | VCH Deduction Amt |
| PKBKCPP | BKCHPR | PACK 9.2 |  |  |  | VCH Less Split Amount |
| PKBKCPP | BKAJVA | PACK 9.2 | FAPIBH | E5TLNA |  | VCH Net Amt |
| PKBKCPP | BKBUPC | PACK 3.0 |  |  |  | VCH Split % |
| PKBKCPP | BKJHST | CHAR 1 |  |  |  | VCH Split Check Sts |
| PKBKCPP | BKC0ST | CHAR 1 |  |  |  | VCH Process Status |
| PKBKCPP | BKA4DT | PACK 7.0 |  |  |  | VCH G/L Date |
| PKBKCPP | BKCUST | CHAR 1 |  |  |  | VCH Check Type |
| PKBKCPP | BKABCD | CHAR 6 | FAPIBH | E5SUNO |  | PD Producer Code |
| PKBKCPP | BKBNCD | CHAR 3 |  |  |  | TRK Trucker Code |
| PKBKCPP | BKCFCD | CHAR 3 |  |  |  | VR Reason Code |
| PKBKCPP | BKAAVN | CHAR 10 |  |  |  | RS User Changed |
| PKBKCPP | BKAADT | PACK 7.0 |  |  |  | RS Date Changed |
| PKBKCPP | BKAMTM | PACK 6.0 |  |  |  | RS Time Changed |
| PKBKCPP | BKAJST | CHAR 1 |  |  |  | RS Record Status |
| PKBKCPP | BKAHVN | CHAR 10 |  |  |  | RS Job |
| PKBKCPP | BKAGVN | CHAR 10 |  |  |  | RS Program |
| PKBKCPP | BKABVN | CHAR 10 |  |  |  | RS User Added |
| PKBKCPP | BKABDT | PACK 7.0 |  |  |  | RS Date Added |
| PKBKCPP | BKABTM | PACK 6.0 |  |  |  | RS Time Added |
| PKBLCPP | BLHNNB | PACK 3.0 | FAPIBL | E6CONO |  | VCH Company number |
| PKBLCPP | BLLWNB | PACK 5.0 | FAPIBL | E6INBN |  | VCH Batch Number |
| PKBLCPP | BLG9NB | PACK 5.0 | FAPIBL | E6TRNO |  | VCH Header Number |
| PKBLCPP | BLDLNB | PACK 3.0 |  |  |  | VCD Line |
| PKBLCPP | BLCNPR | PACK 7.2 |  |  |  | VCD Base Mkt Price Amt |
| PKBLCPP | BLCOPR | PACK 7.2 |  |  |  | VCD Sort Disc Amt |
| PKBLCPP | BLCPPR | PACK 7.2 |  |  |  | VCD Yield Gain/Loss |
| PKBLCPP | BLCQPR | PACK 7.2 |  |  |  | VCD Base Carcass Value |
| PKBLCPP | BLCRPR | PACK 7.2 |  |  |  | VCD LN Add on/Deduct Amt |
| PKBLCPP | BLAKVA | PACK 9.2 | FAPIBL | E6GLAM |  | VCD Gross Amt |
| PKBLCPP | BLALVA | PACK 9.2 | FAPIBL | E6ADAM |  | VCD Deduction Amt |
| PKBLCPP | BLCVPR | PACK 7.2 |  |  |  | VCD Less Split Amount |
| PKBLCPP | BLAMVA | PACK 9.2 | FAPIBL | E6NLAM |  | VCD Net Amt |
| PKBLCPP | BLAEPC | PACK 3.0 |  |  |  | VCD Split Percent |
| PKBLCPP | BLI6ST | CHAR 1 |  |  |  | VCD Payment Type |
| PKBLCPP | BLJIST | CHAR 1 |  |  |  | VCD Hog Class Type |
| PKBLCPP | BLJPST | CHAR 1 |  |  |  | VCD BO Type |
| PKBLCPP | BLC2SS | CHAR 1 |  |  |  | VCD Source Contract Type |
| PKBLCPP | BLOTCD | CHAR 3 |  |  |  | VCD Source Code |
| PKBLCPP | BLF5TX | CHAR 20 |  |  |  | VCD Check Description |
| PKBLCPP | BLL5A1 | PACK 5.0 |  |  |  | VCD Received Head |
| PKBLCPP | BLL6A1 | PACK 5.0 |  |  |  | VCD Head Killed |
|  |  |  |  |  |  |  |

M3 Account Structure Mapping:

|  |  |  |
| --- | --- | --- |
| **JDE Account Structure** | **OMS/Other Value** | **M3 Dimension** |
| Cost Center | Accounting Company Number | DIM2 – Cost Center |
| Object |  | DIM1 – Object Account |
| Sub | Finished Good GL Sub Code | DIM6 – Product Group |
| Accrual Code (BRK, LOC, COR, CPN, etc.) | DIM3 – Sub Account |
| Producer (Deferred Payment Accrual) | DIM3 – Sub Account |
| Acquisition Request # (AR) | DIM4 – AR Number |
| Sub Ledger | A/R Customer Vendor Number | DIM5 – Customer Number |
| Ship To Customer Vendor Number | DIM5 – Customer Number |
| Broker Vendor Number | DIM7 – Free |
| Buyer Group Vendor Number | DIM7 – Free |
| State Code | DIM7 – Free |
| Coupon Product Program Code | DIM7 – Free |
| Royalty Product Program Code | DIM7 – Free |

## Current Procedure for getting JDE Account for posting

Step 1: Cost center / GL Code from PKCVREP determined per: company, payment type, BO type, hog class type

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Co Num** | **CCC BO Payment Type** | **CCC BO Type** | **CCC Hog Class Type** | **CCC Source Contract Type** | **CCC Cost Center** | **CCC G/L Code** |  |  |  |  |  |  |  |  |  |
| 360 | C | C | M | N | 360 | HPPUREXT |  |  |  |  |  |  |  |  |  |
| 360 | C | I | M | N | 360 | HPPURINT |  |  |  |  |  |  |  |  |  |
| 360 | C | O | M | N | 360 | HPPUREXT |  |  |  |  |  |  |  |  |  |
| 360 | L | C | M | N | 360 | HPPUREXT |  |  |  |  |  |  |  |  |  |
| 360 | L | I | M | N | 360 | HPPURINT |  |  |  |  |  |  |  |  |  |
| 360 | L | O | M | N | 360 | HPPUREXT |  |  |  |  |  |  |  |  |  |
| 360 | L | C | R | N | 360 | HPPUREXT |  |  |  |  |  |  |  |  |  |
| 360 | L | I | R | N | 360 | HPPURINT |  |  |  |  |  |  |  |  |  |
| 360 | L | O | R | N | 360 | HPPUREXT |  |  |  |  |  |  |  |  |  |
| 960 | C | C | M | N | 960 | HPPUROPN |  |  |  |  |  |  |  |  |  |
| 960 | C | O | M | N | 960 | HPPUROPN |  |  |  |  |  |  |  |  |  |
| 960 | L | C | M | N | 960 | HPPUROPN |  |  |  |  |  |  |  |  |  |
| 960 | L | O | M | N | 960 | HPPUROPN |  |  |  |  |  |  |  |  |  |
| 960 | L | C | R | N | 960 | HPPURCRS |  |  |  |  |  |  |  |  |  |
| 960 | L | O | R | N | 960 | HPPURORS |  |  |  |  |  |  |  |  |  |
| 960 | C | C | M | M | 960 | HPPURCNT |  |  |  |  |  |  |  |  |  |
| 960 | L | C | R | M | 960 | HPPURCRS |  |  |  |  |  |  |  |  |  |

Step 2: GL Account ID from PKCWREP: per Company and GL Code from above. Used to get cost center/object from JDE pgm X0901, file F0901LA.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Co Num** | **CGL Code** | **CGL Code Description** | **CGl GL Acct ID** | **CGL Sub-Account Type** | **CGL Balance Sheet Act Sts** | **CGL Account Company** |
| 360 | HPPURINT | Internal Hog Purchase | 02424647 |  | N | 360 |
| 360 | HPPUREXT | External Hog Purchase | 02424648 |  | N | 360 |
| 960 | HPPURCNT | Contract Purchases | 02496517 |  | N | 960 |
| 960 | HPPURCRS | Contract Resale | 02496520 |  | N | 960 |
| 960 | HPPURCUR | A/P Purchases - Current | 02496100 |  | Y | 960 |
| 960 | HPPURDEF | A/P Purchases - Deferred | 02503079 | P | Y | 960 |
| 960 | HPPURFRT | Frt Allowance Hog Purch | 02503081 |  | N | 960 |
| 960 | HPPUROPN | Open Market Ext Purchase | 02496519 |  | N | 960 |
| 960 | HPPURORS | Open Market Resale | 02496520 |  | N | 960 |

360 HPBNK Hog Purchase Bank Account 02537769 Y

960 HPBNK Hog Purchase Bank Account 02542557 Y

**External producer gets a check so write them to the A/P files. Use GL Acct id from HPBNK record in PKCWREP to get bank account cost center/obj/sub in JDE file F0901LA**

\*Note: If balance sheet acct is Yes, then the company on the voucher is used as the cost center, else use cost center associated with the account id.

**Tattoo Ded/Add (PKCDCPP)**

Expense type: “S” Paid by Seaboard | “F” Freight | “O” Other

Debit (+) purchase account as determined from X0901

Credit (-) account as determined from the gl code on Tattoo Ded/Add rcd -> gl acct id

Freight : debit(+) the purchase account

Credit(-) the account associated with the HPTRKEXP GL Code

## JDE Tables Updated

1. F0411 JDE A/P Ledger – the producer/trucker specific data prints on the check stubs
   1. External producer’s checks
   2. External split producer’s checks
   3. Trucker Checks
   4. Using HPBNK to get the JDE cost center/obj/sub account
   5. Producers: Invoice # has LIV-nnnnn or CAR-nnnnn where nnnnn is the Buy Order # from voucher dtl
   6. Producers: Remark has ‘ TT# Market prdcr’, ex: “1883 Market HITCH”, “8163 Resale AGMLC”
   7. Truckers: Invoice# has: “bo – ld – tattoo’, e.g. “ 64864-0003-04284 “
   8. Truckers: Remark has producer name, e.g. “Texas Farm, LLC.”
   9. Truckers: Gross Amount = BOL Freight Amt
   10. Producers: Foreign discount taken = TH Deduction Amount ( total ded/add for the tattoo)
   11. Producers: Gross Amount = TH Payment Net Amount
2. F0413 JDE A/P Matching document – payment register
3. F0414 JDE A/P Matching document Detail –payment detail
4. F0911 JDE G/L Ledger
   1. Internal producer’s Journal entry – document type “UC” and Batch type “G”
   2. Internal producer’s intercompany offset - one per Batch with the total $ using HPINTCO to get the JDE cost center/obj/sub account
   3. Purchase Account per the above procedure section
   4. External Producer/Truck/ Commission
      1. Document type = PV for regular check type– *the norm* and batch type =”V”
      2. Document type = PM for manual check type and batch type “M”
   5. If Sub-Account type is P then producer is in the sub ledger (acct 960 3102)
   6. Tattoo Ded/Adds written here
5. F0011 JDE Batch Header – batch control file
   1. A/P Distribution totals are written