**Raw to Stage process**

The following steps for Raw to Stage process

**Raw to Stage flow:**

Step 1:

               Assign the Load number with the file process status as “Pending”

SELECT LOADNUMBER FROM PES\_PROGRESS\_STATUS

WHERE FILE\_PROCESS\_STATUS = 'PENDING'

Step 2:

Build a FUZZY index in the following table

* + PES\_FUZZY\_INDEX\_COMPRESSED\_US
  + PES\_FUZZY\_INDEX\_COMPRESSED\_FOREIGN
  + PES\_FUZZY\_INDEX\_US
  + PES\_FUZZY\_INDEX\_FOREIGN

Step 3:  
  Truncate the below table

* + PES\_TEMP1\_STG\_BOL
  + PES\_TEMP2\_STG\_BOL

Step 4:

Split the file (To load StagingBOL.txt from RAW\_BOL table)   
  
SELECT BOL\_ID,

RECORD\_ID,

CARRIER\_CODE,

.

.

.

LOAD\_NUMBER,

INVALIDBILLTYPE,

BANK

FROM RAW\_BOL WITH (NOLOCK)

WHERE ISNULL(INVALIDBILLFLAG,'') <> 'Y' AND UPPER(SAILING\_DATE) <> 'INVALID';  
  
**Target Folder:**   
E:\PIERS Enterprise Solution\StagingComponents\SplitFiles\StagingBOL.txt

Step 5:

To Load Temp1 STG BOL tables from the file like C:\PIERS Enterprise Solution\StagingComponents\SplitFiles\StagingBOL.txt

* + Cleanse the port of departure (Special character)
  + Cleanse the port of destination (Special character)
  + Lookup on Ref port conversion
  + Lookup on foreign port conversion
  + Lookup on discharge port
  + Find out valid and invalid discharge port
  + Lookup US Port code found
  + Add a Vessel name and find out valid or invalid vessel
  + Re-lookup Ref vessel
  + Add a carrier code
  + Update Temp1 STG BOL table

Step 6:

                PES Stage BOL

* + Get the SIMILARITY, CONFIDENCE value from PES\_FEED\_SIMCONF\_VALUE
  + Fetch conversion factor for weight (1/CONVERSION\_FACTOR) AS CONVERSION\_FACTOR FROM REF\_WEIGHT\_UNIT WHERE WGT\_UNIT='LB'
  + Load Temp2 STG BOL table from Temp1 STG BOL
  + Get all the records from Temp2 STG BOL table
  + Add a new column of Receipt city voyage with expression
  + Remove special characters
  + Standardized receipt city and destination city
  + Update PES STG BOL table

Step 7: PES Company

* + Delete transaction file
  + Rename all files (NSOUT, NSOUT1, NSOUT2, NSPARTY, NSPARTY1, NSPARTY2)
  + Load PES\_STRUCTURED\_PTY table from transaction file
  + Load RAW PTY missed company records
  + Archive RAW PTY missed company records
  + Load PES Structured PTY table with missed company records
  + Load PES Structured PTY ORIG table from PES Structured PTY table

Step 9:   
 Load the data “PES\_STG\_CNTR” table from RAW\_CNTR table

Step 10:   
 Update Ref container type

Step 11:   
 Load the data “PES\_STG\_ HZMT” from RAW\_ HZMT table

Step 12:   
 Load the data “PES\_STG\_ MAN” from RAW\_ MAN table

Step 13:   
 Update BOL Container type

Step 13:   
 PES Company hub process

Step 14:   
 Sequence generation process

Step 15:   
 Please refer the Exception handling document.

Step 16:   
 Weight Generation process, Please refer the weight generation document.

Step 17:   
 Populate foreign charge  
  
Step 18:   
 Please refers the weight EST Calculation document  
  
Step 18:   
 update TEU Bank

Step 18:   
 Post QC Rules

Step 19:   
 Populate raw stage record count

Step 20:   
 Update progress status  
  
Step 21:   
 Get bill information

Step 22:   
 Move in progress file

Step 23:   
 Update feed load priority

Step 23:   
 Send success mail with bill info