Check to see if Barcode
Number in Refedence File
has a match in Scan File

No   Yes

Copy this row into the
Export File and assign a
status = "M"

Check to see if there are any differences
in the data for each column between
the Reference File and the Scan File

No
Differences

Copy this row into the
Export File and assign a
status = "F"

Yes
Differences

Copy this row into the Export File but use the values from the Scan File for each
column where there is a difference. For each value that was different add a note to
the ChangeLog column in the format of
[Column Name]: [Value from Reference File] -> [Value from Scan File]
as an example "Manufacturer: Dell -> HP"
Assign a status = "C".

Check to see if Barcode
Number in Scan File has a
match in Reference File

No   Yes

Copy this row into the
Export File and assign a
status = "N"

Do nothing because this data is already reconciled
with the above process