Sales Data Real Time Process (POS - EDW)

POS | ESB (App) | ESB (Bus) | EDW

POS - ESB

Trigger Job Submission

POS Client is Active?

N

Y

Current Time is in Time Frame?

N

Skip Process

Skip

Y

Initiate JDBC Connection

N

Prevent connection instability, process the POS data by batch

Connection Established?

N

Reach Maximum Retry Number?

Y

Failed

Y

Sales Data Staging table POS Database

Download Current Batch Data with Update Indicator = 'Y'

Staging DB

ESB - EDW

Read downloaded data

Validate Data Integrity

Process Next Sales Order

Data Completeness OK?

N

Write Exceptional Data

Y

Update Status Flags of current batch data

Request Web Service (Send 50 Sales Items)

REST Web Service

Sales Data DB Adapter

EDW Database

N

Batch Completed?

50 is a configurable number

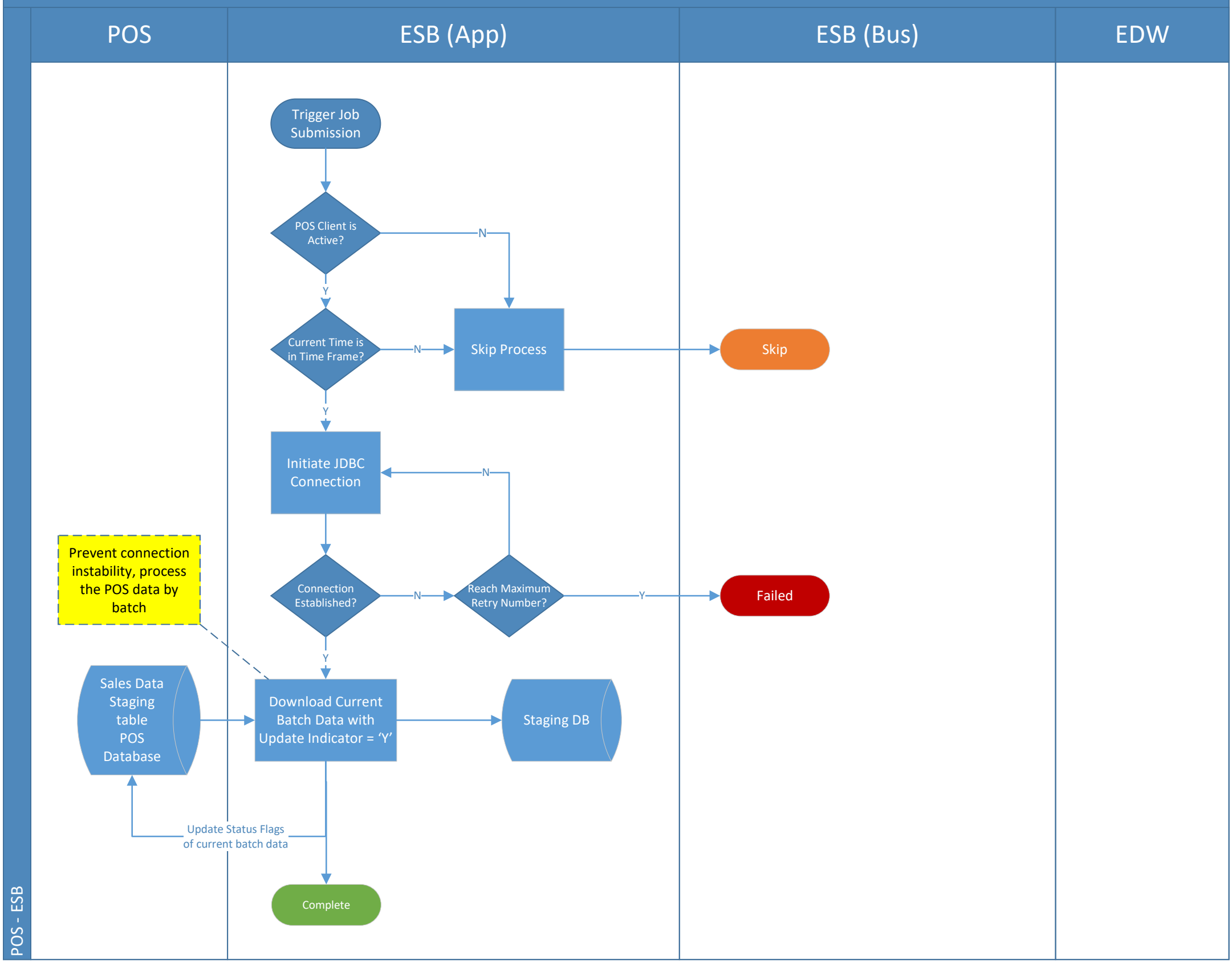
Y

Batch Process Completion Task

Batch Process Summary

Complete

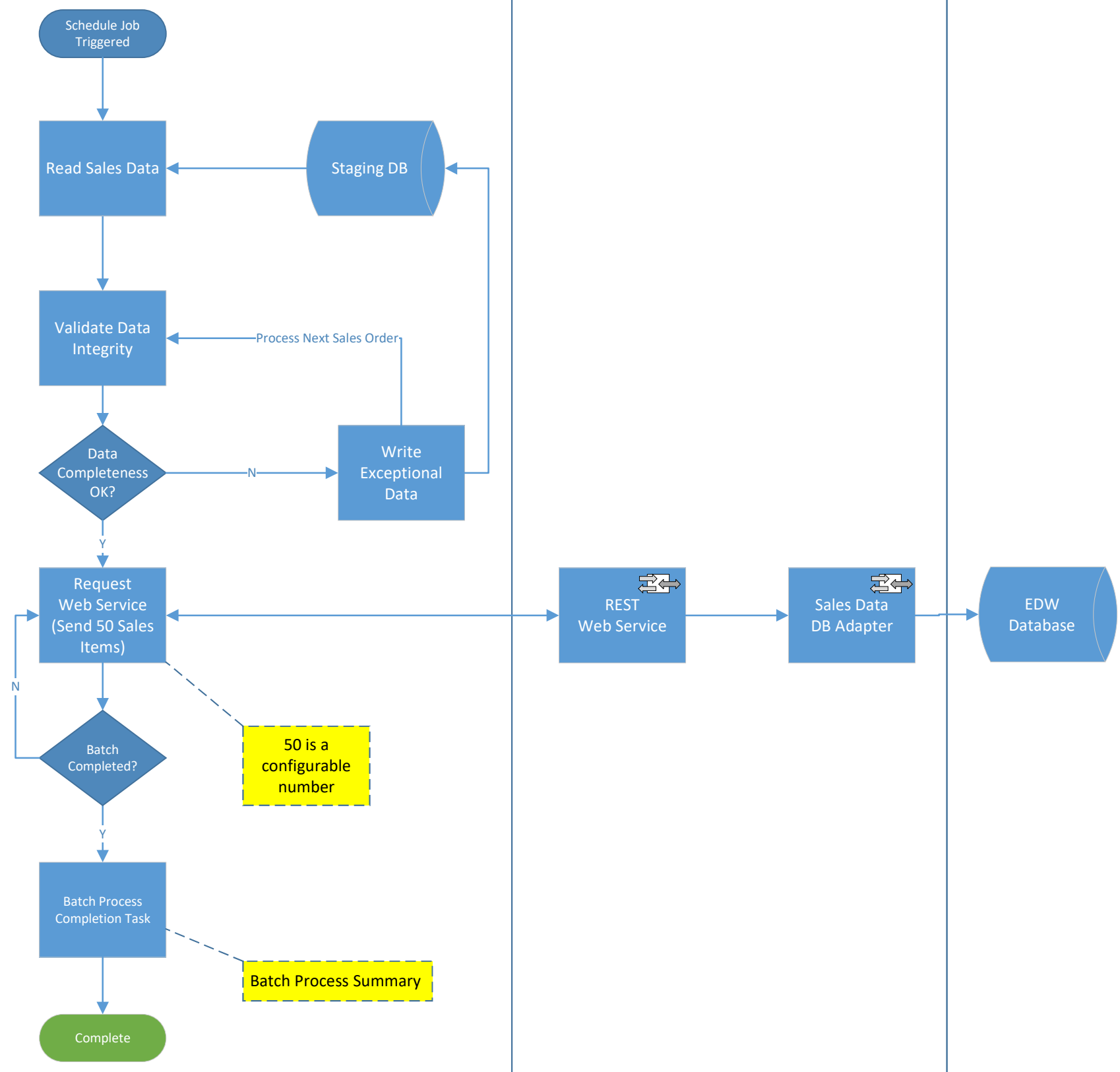
# Sales Data Real Time Process (POS - Staging)



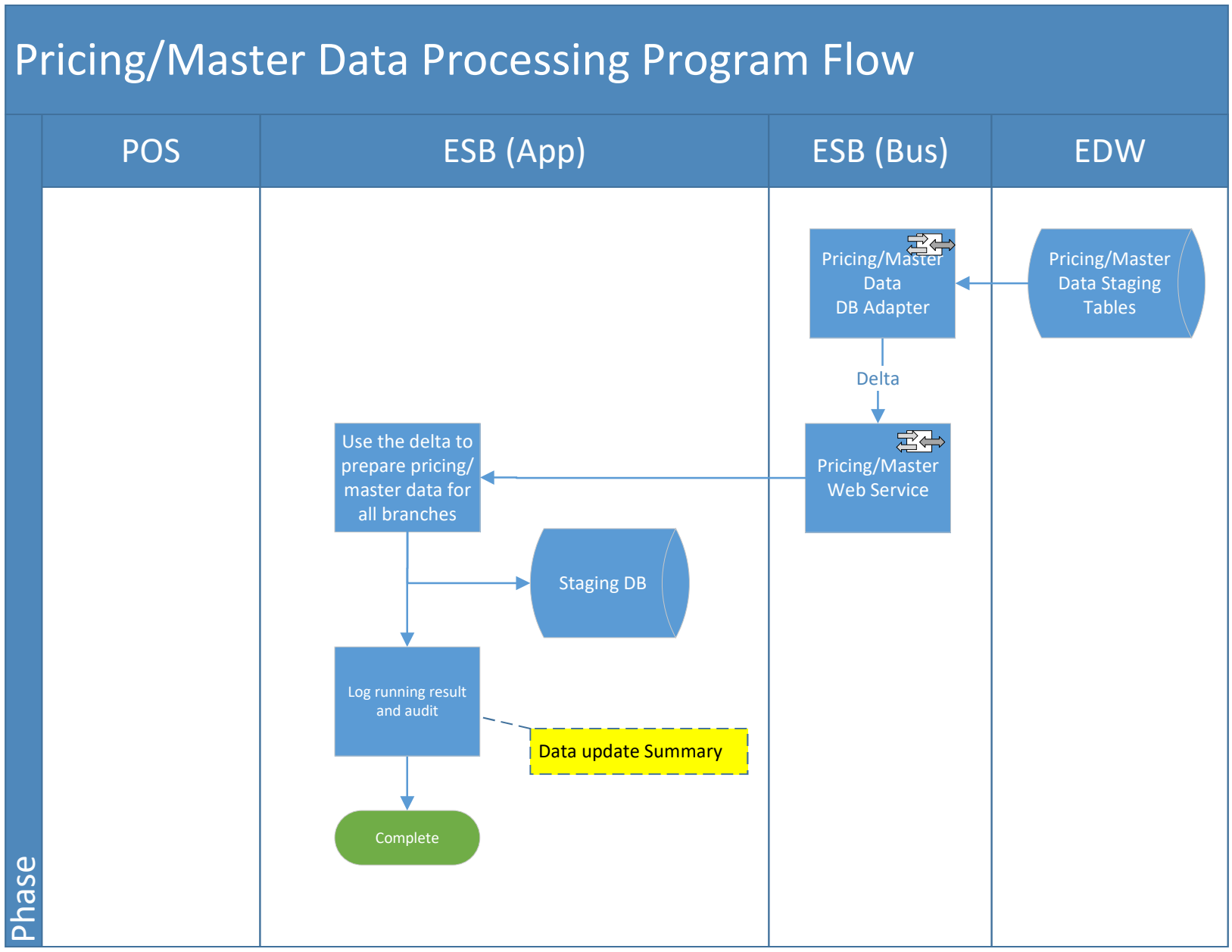
# Sales Data Real Time Process (Staging - EDW)

ESB - EDW

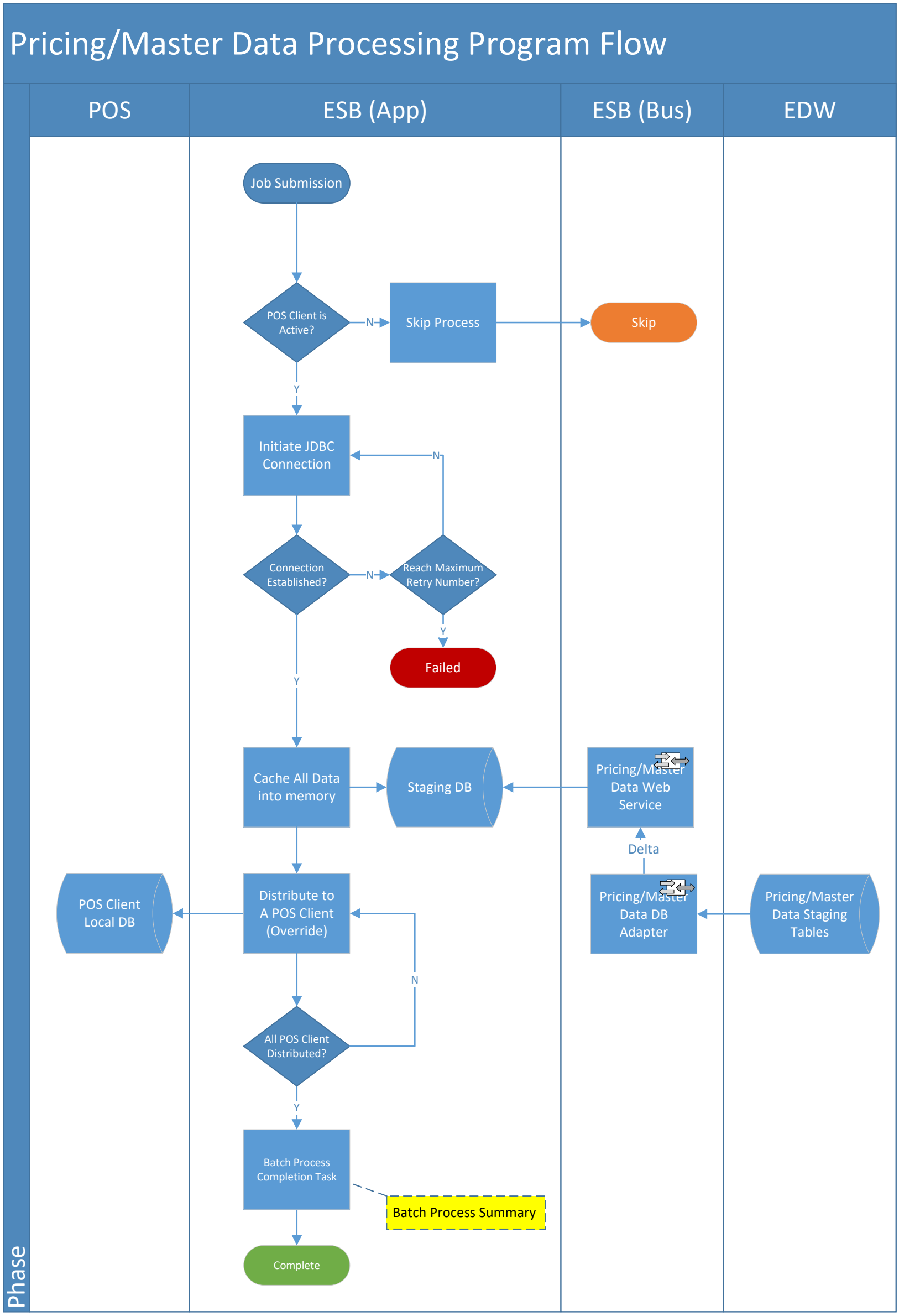
| POS | ESB (App) | ESB (Bus) | EDW |
|---|---|---|---|

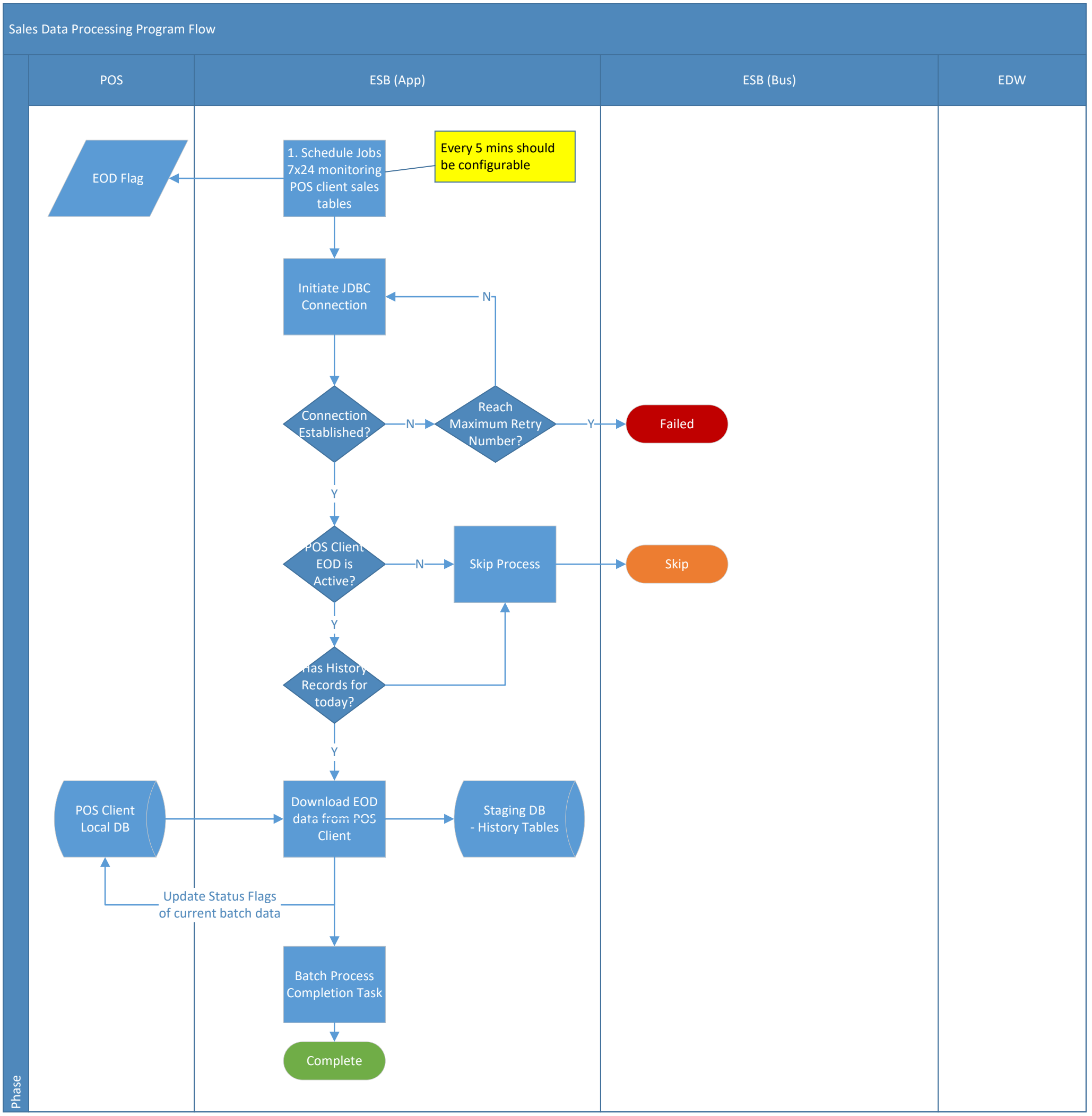
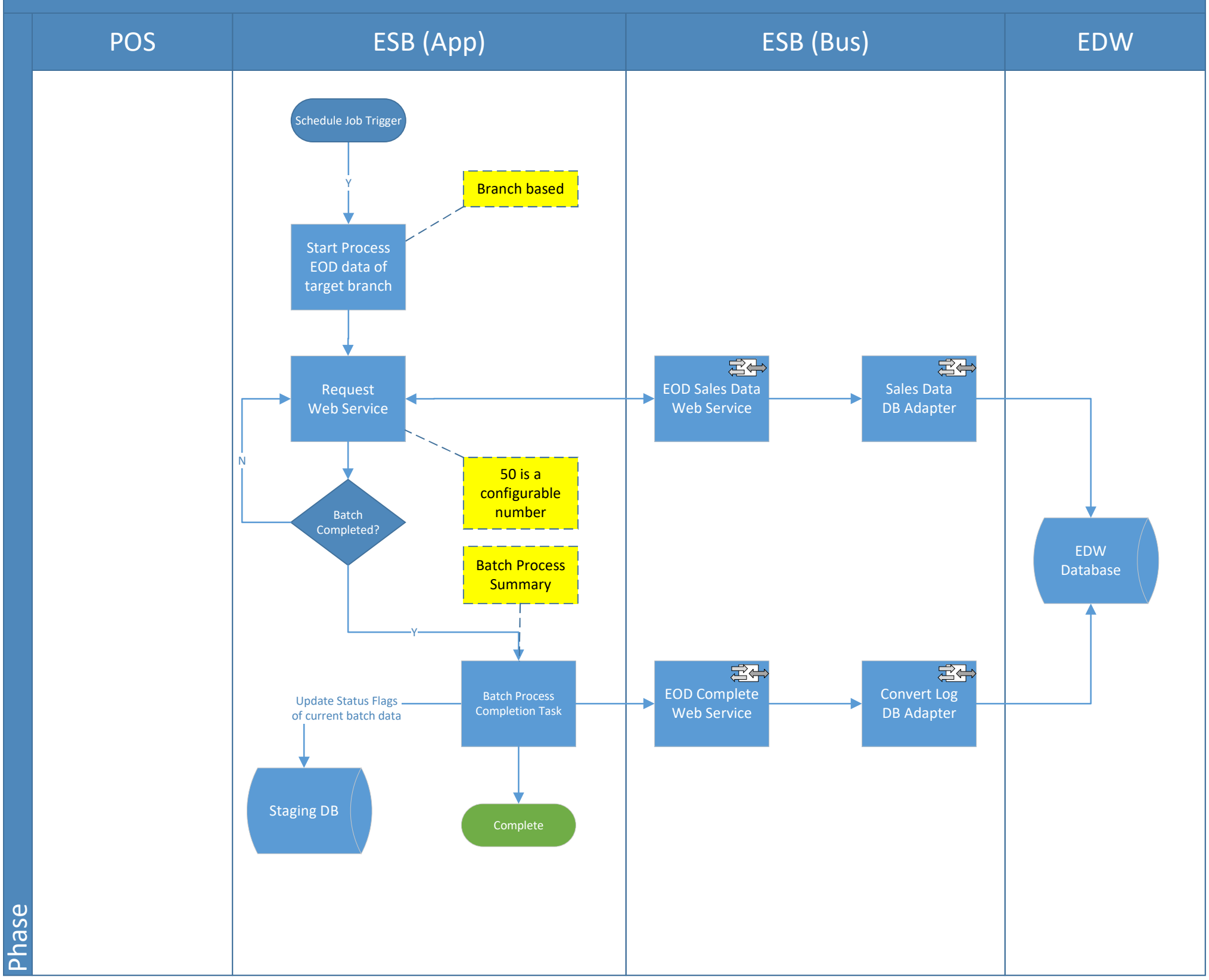


# Pricing/Master Data Processing Program Flow



# Pricing/Master Data Processing Program Flow




Sales Data Processing Program Flow
POS
ESB (App)
ESB (Bus)
EDW
EOD Flag
1. Schedule Jobs 7x24 monitoring POS client sales tables
Every 5 mins should be configurable
Initiate JDBC Connection
N
Connection Established?
N
Reach Maximum Retry Number?
Y
Failed
Y
POS Client EOD is Active?
N
Skip Process
Skip
Y
Has History Records for today?
Y
POS Client Local DB
Download EOD data from POS Client
Staging DB - History Tables
Update Status Flags of current batch data
Batch Process Completion Task
Complete
Phase

# Sales Data EOD (Staging - EDW)