**Tag Subscription use for Item Mapping**

**V1.0**

**Purpose**

This document is intended to be a high-level design on how the Tag Subscription data is to be converted and used as a partial solution for Item Mapping in Titan. This document will outline the Assumptions and design for the built-out solution.

**Assumptions**

The following are the assumptions considered when creating this solution:

* Each store will have Tag Subscription.
* The Tag data will be provided by the Tag Subscription Team (Craig McWilliam, Nasiem Patel, Reno Kwong) to the Titan Team on request as a per store basis.
* The Data will be provided in an EXCEL format with the columns listed below:
  + ITEM\_ID
  + SKU
  + POS\_DESCRIPTION
  + LOCATION
  + AIS
  + SEC
  + SHE
  + FORM\_QTY\_1
  + OVERRIDE\_QTY\_1
  + OVERRIDE\_FLAG\_1
* The data will be used only to translate the following Tag Data:
  + Aisle:
    - 001-099 = 01-99
    - 300 = Produce
    - 351 = Produce
    - 350 = Floral
    - 400 = Bakery
    - 450 = Deli
    - 500-549 = Meat
    - 601-699 = Check stand
    - 700 = Pharmacy
    - 800 = Liquor
    - 900 = Wall
  + Side:
    - 100-199 = Right
    - 300-399 = Left
    - 400-499 = Back
    - 200-299 = Front
* With the limited item data available from Tag Subscription, the solution will cover ONLY a partial list of items available at each of the stores. From the current data sets, this is expected to cover about ~25,000 of the items sold in the store.   
  For this reason, this Tag Data will be used ONLY for a Day1 Store setup for NEW stores only. Once the store goes live, the store is expected to update its mapping by using the Mapping tool provided my Manhattan solution.

**Design**

The application is designed to do the following steps to achieve the required Item Mapping CSV files:

1. Once the Tag Subscription data is received by the Titan team for each of the requested stores, a user will upload the excel file/files into the Tag to Mapping conversion application.
2. These files will then be saved into the item-mapping-input Folder on the app server.
3. The user will now go to the Generate Mapping File like on the application to trigger the conversion process and will generate the new Store Layout file in the required CSV format.
4. Once the conversion is complete, the EXCEL Files will then be moved to the Archive folder, and the CSV files will be available for download.
5. These CSV files will be stored in the item-mapping-output Folder.

