

Docket No. N2012-1

USPS Library Reference N2012-1/18

DPS Tool

PREFACE

This Category 2 library reference provides background analysis conducted by or under the direction of witness Rosenberg (USPS-T-3).

This library reference has two files in its root folder:

18_Input_Template_DPSTool.xls

This file is an Excel workbook which can be used to provide input data into the DPS Tool. This Excel workbook consists of the following worksheets:

Input Template Instructions – Provides an overview of each data point and user input field in the following worksheets.

Scenario Data – Includes facility name, scenario name and general facility information and assumptions.

Machine Data – Allows user to input facility-specific DBCS machine information.

Carrier Data – Carrier and delivery point information for each ZIP Code included in the model.

ZIP – List of volumes, clearance time and holdouts by ZIP Code.

ZIP Pairing & Prohibited – Allows the user to specify ZIP Codes that should be combined within a DPS Sort Scheme, as well as ZIP Codes that should be not combined and ZIP Codes that should not be processed with any other ZIP Codes.

Upload Instructions – Provides information regarding how to upload the Input Template into the DPS Tool.

18_DSP Tool.mdb

The main form in this Microsoft Access database consists of four input tabs, two output tabs and three model management tabs.

Inputs: Scenario Data, Machine Data, ZIP/Carrier Data and ZIP Pairing & Prohibited incorporate read in data provided by the corresponding worksheets in the Input Template. Some data manipulation can be done

within the DPS Tool itself. The red OPTIMIZE button on the Scenario Data tabs is used to run the model.

Outputs: ZIP Schemes and Machine Schedules are populated once a model has successfully run in the DPS Tool. The ZIP Schemes tab provides information by 5-digit ZIP Code, while the Machine Schedule tab provides the resulting machine utilization.

Model management: The Reports tab is used to generate reports for successfully run models. The Scenario Manager tab is used to upload the Input Template into the DPS Tool. The Sort Plan Analysis tab allows a user to determine whether sort schemes created by the user are feasible.