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Technical Specification Document



Project Name: Address Verification

Issue Title: Prepare system for use of SmartyStreets in Syspro

Date: October 10, 2022

# Prepared By

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| **Document Owner(s)** | **Project/Organization Role** |
| Nicholas Vasquez | Software Developer |

# Modification Version Control

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| **Issue. Version** | **Date** | **Author** | **Tag ID** | **Change Description** |
| 1.0 | 10/07/2022 | Nicholas Vasquez | SDM- 32308 – Nicholas,  SDM - 32434 - Justin |  |
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# Design Overview

We need to prepare our system for using SmartyStreets address validation in Syspro. To accomplish this, we need to identify what should be changed, plan out how and when to update, and implement these changes.

To identify what needs to change, we searched through SQL08 Database for specific keywords. We also searched through code stored in DevOps for specific key words. We noted the results into an excel sheet located on sharepoint.

## 1.1 Business Case/Scope

This will cover all areas found in SQL08, all areas found in DevOps, and others as mentioned after review.

## 1.2 Audience

This is a technical document targeted for technical readers that will maintain the designed application. It is assumed the reader has some technical background related to the technologies mentioned in the above description

## 1.3 Reference

List all references that are included in the document. Also include applicable policies and procedures associated with the document and its contents.

| Ref# | Document Name | URL |
| --- | --- | --- |
| 1 | Address Change Search Results | [AddressChangeSearchResults](https://summerclassics.sharepoint.com/:x:/s/ITDepartment/EX-8RBRZDJBAutKw82K0B9ABcIWWARKw9xvCbTX3xIaz-A?e=gmIegF) |

## 1.4 Terms and Definitions

| Term or Acronym | Definition |
| --- | --- |
| SmartyStreets | API being used to validate addresses. |

## 1.5 Why the Change?

Because we need accurate address validation for both customers and sales order addresses into and out of Syspro.

What we need all addresses to conform to is the following format from the “Address Validation in Syspro Requirements”:

Address Line 1 – Street Address

Address Line 2 – Apartment / Suite / Additional information

Address Line 3 – City

Address Line 3 Loc – Not Utilized

Address Line 4 – State

Address Line 5 – Country

Postal Code – 5 digit Zip code

In our SQL08 Database, there are many tables, functions, and procedures that do not conform to this and should be changed. In addition to that, there is some code that has been found by searching through GWC-Apps that is concatenating addresses together that should be changed to fit the above format as well.

## 1.6 Points of interest

* Address3, and other similar columns in the Database have info concatenated together.
* Some tables/functions/stored procedures in the Database do not have enough columns (6) to accommodate this new change.
* There are some functions and stored procedures in the Database that are using the table PRODUCT\_INFO.dbo.ZipCodeList. This should not be used in conjunction with SmartySheets nor should it be used to get other address information from.
* A few instances in our code that use a similar function/method called “GetShipAdd3”. This can sometimes combine city and state into one string value.

## 1.7 Findings

**Total findings link:** [AddressChangeSearchResults.xlsx](https://summerclassics.sharepoint.com/:x:/s/ITDepartment/EX-8RBRZDJBAutKw82K0B9ABcIWWARKw9xvCbTX3xIaz-A)

**Groupings:** [TicketGrouping.xlsx](https://summerclassics.sharepoint.com/:x:/s/ITDepartment/ETJIvqCirTNMma1NIZBAGw0Bj3RoBvfHK3Px9pcWUARbAw)

# Appendices

## Appendix A: Benchmark Design and Development Estimate

Benchmark Design and Development estimate. Please list the task name, hours needed to complete and a benchmark estimate date of completion.

| Task | Hours | Benchmark est. Date |
| --- | --- | --- |
| Gathering List of Changes | 40 | 09/23/2022 |
| Documentation | 6 | 10/10/2022 |
| Grouping changes into workable tickets/tasks | 3 | 10/21/2022 |
| Meeting to discuss proposed changes | 1 | 10/26/2022 |
| Implementing changes | 200-500 | 02/01/2023 |
| Testing changes | 100 | 02/01/2023 |
| Go Live Support | 10 | 02/14/2023 |
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