



Address Validation

Address Cleansing in SAP®





Integrated Address Validation

A correct postal address is essential for an effective and cost-conscious Master Data Management. Processes like dispatch, customs handling, compliance guidelines, standard reports and hierarchies need to specify a business partner. Here, the address is used as a fundamental criterion alongside the corporate name or the label of a master record.

The Marlin Address Validation solution (MAV), an add-on for ERP and CRM integrated with SAP, corrects, normalizes and complements both national and international addresses.

ISO's expert knowledge includes mapping various country-specific requirements through detailed customizing for various purposes: for example support for pictorial languages or automatically deriving the place and street data (including range of street numbers) from a UK postal code. The address validation is available in all applications that use the Central Address Management (CAM) or Business Address Services (BAS) – these include customer, vendor, central business partner, SD and purchasing documents.

As an RFC-enabled function module, MAV can run in the SAP Portal and in non-SAP applications as well. There are two Marlin Address Validation components: one to check online when entering new address data or editing existing address data; the other for batch checking stock data.



Online check

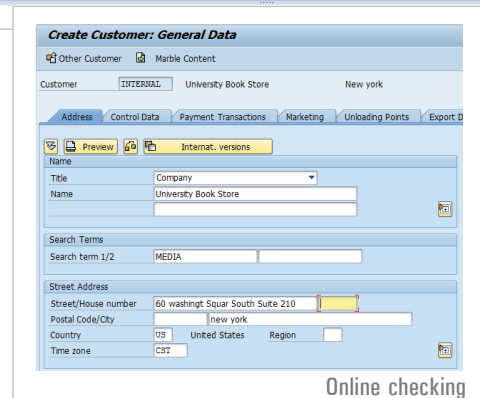
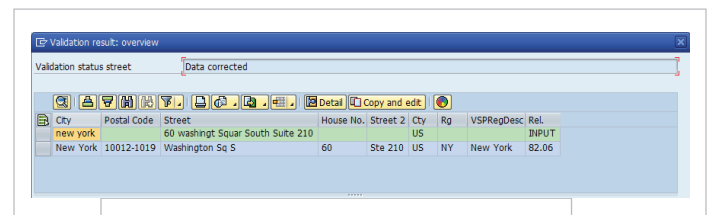
The address validation prevents incorrect data entry when carrying out standard transactions, such as creating or updating master data, or in case of a differing address in the current sales document. A proposal function interactively suggests a correct version to the user who can then accept or decline it. For this, the address data is checked in a fault-tolerant way and validated against a current reference data.

Batch checking of stock data

The existing address data is corrected during batch check and automatically changed in the master record. The batch check is scheduled as an SAP job and can run parallel to the regular productive operations. This batch validation is done against the reference data, similar to the online check. If more than one result is found for an address, for example Maple Road/ Maple Street, MAV offers a clearing monitor within SAP to further process the results. Using this clearing monitor, the correct address data can easily be selected and applied to the master record.

The monitor shows four possible results:

- correct address data
- address data that can be corrected easily (for example transposed numbers in zip code)
- address data that can be corrected but for which several suggestions exists
- address data that cannot be corrected because essential information is missing



Advantages

- Fast Completion – input support for call centers
- no server required – AddressDoctor uses Web service
- can be used as a local server solution as well
- process can be defined differently for each country
- countries can be added without further installation
- saves postage and advertising costs
- high-quality data with standardized addresses
- no update costs for the reference data

Regular delta check

Existing address data is reviewed and updated by a regular delta check in defined intervals. This avoids a complete check of the data, which in turn reduces costs. It also ensures that the master data used remains up to date.

Features

- high-speed check of national and international addresses supporting more than 240 countries and territories
- normalizing of address fields (street abbreviations, place names) and completing of missing fields (for example postal code, place)
- breaking down of alphanumeric postal codes (NL, GB) into street and place
- substituting place names with own identifiers
- payment done on an annual quota
- per access benefit analysis for each application to capture and evaluate quality improvements by MAV
- online examination of relevant transactions, updated daily
- background batch check as a job with editing monitor for results
- addresses that cannot be corrected automatically can be edited manually
- delta check for updating address data during operation
- customizing allows scenarios for ERP, CRM or IS
- the solution can be integrated with our product Marlin Data Governance Process (MVT)

The screenshot shows the MAV Inventory-Validation: Edit Suggestion interface. The main window displays a table of address data with columns for V, P, Status, Show Val., Addr. no., Version, Addr.-ty., Objtko, Cty, Rg, Postal Code, City, Distri., City, Street, and House No. Below this, a 'Results of Inventory Validation: Overview' window is open, showing a summary of validation status for a specific street.

V	P	Status	Show Val.	Addr. no.	Version	Addr.-ty.	Objtko	Cty	Rg	Postal Code	City	Distri.	City	Street	House No.
Δ				11518	1	265		US	NM	88345-7301	Rufooso			Mechem Dr	1600-1600
Δ				11521	1	266		US	UT	84101-4402	Salt Lake City			W South Temple	150
Δ				11886	1	3261		US	CO	80202-2658	Denver			California St	1801
Δ				11889	1	3260		US	CO	80919-2651	Colorado Springs			Commerce Center Dr	7095-7095
Δ				11892	1	3262		US	CO	80222-7602	Denver			E Hampden Ave	6373
Δ				11905	1	3265		US	CO	81003-4259	Pueblo			W 1st St	120-120
Δ				12192	1	3272		US	WA	98115-3135	Seattle			NE 92nd St	1230
Δ				12201	1	3275		US	MA	02110-1803	Boston			Federal St	105
Δ				12204	1	3276		US	NY	10013-4043	New York			Lafayette St	36
Δ				12207	1	3277		US	CO	80231-4124	Denver			E Bucknell Pl	7862
Δ				12210	1	3278		US	OK	73122-2204	Oklahoma City			N MacArthur Blvd	2132
Δ				12228	1	471		US	UT	84106-3024	Salt Lake City			E Hudson Ave	1217
Δ				12229	1	472		US	WY	82009-4953	Cheyenne			Dell Range Blvd	1765
Δ				12230	1	473		US	CO	80914-3106	Colorado Springs			W Pane St	456

City	District	Postal Code	Street	House No.	Cty	Rg	VSPRegDesc	Rel.
DENVER	DENVER	80222	6373 Hampden Avenue	6373	US	CO	Colorado	INPUT
Denver		80222-7602	E Hampden Ave	6373	US	CO	Colorado	90.05

Inventory audit (example US vendors)





A solid basis

We have more than 12 years' experience both in developing data quality products and in customer projects. Our portfolio of SAP add-ons continues to grow, with the focus on businesses wanting to improve the quality of their data in SAP.

We are essentially an SAP-certified specialist and an integrator of data quality requirements into SAP processes. Depending on requirements, we complement our range by cooperating with other data quality experts who provide Web services, content or technologies. Some 29,000 SAP users benefit from our solutions.

With installations on more than 330 SAP systems (ERP/CRM/IS), we have first-rate expertise in the fields of data quality and master data management. We thus offer conceptual know-how – internationally and across industries.

Expert advice and proven products – from a single source

- migration of master data
- introduction of a central master data
- data cleansing and master data enrichment
- mapping of customer or supplier hierarchies
- Data Governance and Compliance
- Master Data Management

We are there for you

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