# Trillium Add-on for SAP MDG Installation and Configuration Guide

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*Trillium Add-on for SAP MDG Installation and Configuration Guide* 71117

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# Preface

This document describes how to install and configure the Trillium Add-on for SAP MDG.

### Intended Audience

This document is intended for IT professionals who are responsible for installing and configuring the Trillium Add-on for SAP MDG. An SAP administrator and the documentation provided by SAP should be available during the configuration process.

### **Related Documentation**

In addition to this document, you may want to refer to the following documents:

- TSS Installation Guide
- TS Connector for SAP Products Reference Guide
- TS Director User's Guide

You may also want to visit the Trillium Web site at:

http://www.trilliumsoftware.com

The site contains a comprehensive resource library of white papers, case studies, product descriptions, solution summaries, webcasts, and related information.

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chapter 1 Overview

This chapter describes the Trillium Add-on for SAP MDG. It highlights the functionality that will be enabled by installation of the add-on.

### About the Trillium Add-on for SAP MDG

The Trillium Add-on for SAP MDG enables Trillium address enrichment and duplicate checking in SAP MDG. The functionality is similar to Trillium's offerings in ERP and CRM for Customer, Vendor, and Business Partner master data maintenance.

Trillium is committed to supporting data quality integration in deployments of SAP MDG. This release launches our support for this functionality.

Trillium Add-on for SAP MDG offers the following:

- Address cleansing and enrichment, duplicate checking, and fuzzy search of world-wide name and address information for Customers (organizations), Suppliers (organizations), and Business Partners (organizations and individuals). Support is for real-time data processing, including review and acceptance of enrichment and duplicate checking.
- The user interface is available in English and German.
- Trillium Add-on for SAP MDG is available for SAP MDG 7.0 and 8.0.
- Trillium Add-on for SAP MDG will support all of the same countries that are currently supported by SAP ERP and SAP CRM. A sample project for the United States (US) is provided out-of-the-box and can be configured to support any additional country templates supported by Trillium.
- Purchase and installation of country-specific postal tables is required for the Trillium Add-on for SAP MDG to be able to process addresses from each country.

CHAPTER 2 Installing the Add-On

This chapter describes installation of the Trillium Add-on for SAP MDG.

### Prerequisites

Before installing the Trillium Add-on for SAP MDG, ensure that the following software has been installed:

Software	Versio	n
TS Quality Connector for SAP	Release	e 15.2 or later
ABAP Add-on "TRILLIUM"	Release	e 850 or later
SAP MDG	Release	e 7.0, 8.0
SAP MDG software components:	<u>7.0</u>	<u>8.0</u>
■ SAP_BASIS	7xx	740
■ MDG_APPL	618	619
■ MDG_FND	748	749
■ MDG_UX	618	619

### Installation

Trillium Add-on for SAP MDG is delivered as an ABAP add-on and is installed using transaction SAINT. All objects are delivered in namespace /TSSMDG/.

### To install the add-on

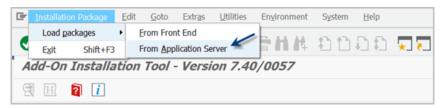
1. Locate the appropriate Add-on installation package SAP Archive (SAR) file on the installation CD:

Directory	File names	File description
MDG700_110	MDGEX110700.SAR MDGIN110700.SAR MDGUP110700.SAR	Upgrade from previous SAP application version Initial Add-On installation Upgrade to existing Add-On

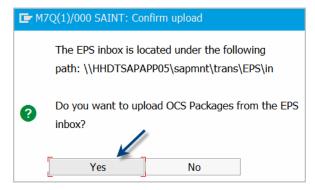
- 2. Copy the file onto your SAP server into the directory /usr/sap/trans.
- 3. Log in to your SAP server at the operating system level as user <sid>adm.
- 4. Unpack the archive using the following commands:

For Linux: cd /usr/sap/trans
For Windows: cd <D>:\usr\sap\trans
SAPCAR -xvf MDGIN110700.SAR

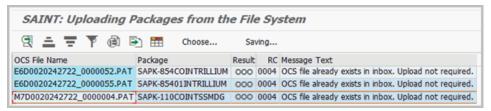
- 5. Log in to your SAP system in client 000 and run transaction SAINT to install the TSSMDG Add-on.
- 6. In SAINT, load the Add-on package from the file system of the application server.



7. Click **Yes** when prompted to upload OCS Packages.



A message similar to the following should be displayed:



- 8. Click **Back**.
- 9. In the Add-On Installation Tool window, verify that Trillium ABAP Addon release 850 or later is installed.

	Add-0	n Instal	lation Tool : Installed Add-ons	
Installed Com	ponents	Deinstalla	ble components	
Add-on/PCS	Release	Level	Description	Import
SAP_UI	740	0015	User Interface Technology	
SEM-BW	600	0026	SEM-BW: Strategic Enterprise Management	
ST-PI	740	0003	SAP Solution Tools Plug-In	
TRILLIUM	854	0001	Trillium Connector 8.5 for SAP Basis 7.0	
UIMDG001	100	0003	UI for MDG	
WEBCUIF	747	0008	SAP Web UI Framework	

10. Click **Start** to begin the installation of the TSSMDG Add-on.

$oldsymbol{i}$ The overview shows you the installed Add-ons and Preconfigu	ired systems
- Choose [START] to start an installation or an upgrade	

11. Select the Add-on TSSMDG and click **Continue**.

Installable Add-on packages for your system		Add-on	Installation Tool: Add-on s	election
Add-On       Release       Description       Package type         ITSSMDG       110       TSSMDG 110: Add-On Installation       Installation         Installation       Installation       Installation         Installation       Installation       Installation         Installation       Installation       Installation         Installation       Installation       Installation	k 🗊 🏹 斗	Stack Confi	guration 🔒 Stack XML	File
ITSSMDG       110       TSSMDG 110: Add-On Installation       Installation         Installation       Installation       Installation       Installation	Installable Add	on packages for	your system	
		Release	Description	Package type
	TSSMDG	110	TSSMDG 110: Add-On Installatio	n Installation
				^
				~
				< >
	i Select one	or several packa	ges from the installable Add-on pac	kages
i Select one or several packages from the installable Add-on packages	- Choose [CO	NTINUE] to start	the calculation of the installation g	ueue
<ul> <li>Select one or several packages from the installable Add-on packages</li> <li>Choose [CONTINUE] to start the calculation of the installation queue</li> </ul>	- Choose [BA	CK] to go back to	the overview of the installed Add	-ons
			ional packages from the application	

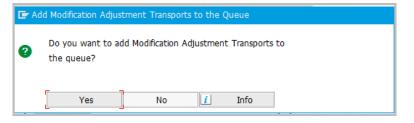
12. At the time of this publication, there are no support packages for the TSSMDG Add-on. In the future, you can choose to include any available support packages on this screen. Click **Continue**.

Software Comp.	Target Support Package	Level	Calculated Package	Level	0
TSSMDG	~		SAPK-110COINTSSMDG	0000	
SAP_BASIS	~				
SAP_ABA	~				
SAP_GWFND	~				
SAP_UI	v) V				
PI_BASIS	¥				
ST-PI	~				6.
SAP_BW	V				9 °

13. Review your selection and click **Continue**.

Inst	allation of severa	al Add-ons : Calculat	ted queue		
Installation queue	Software Componen	its			
OCS packages for imp	ort				
OCS Package	Package type	Software Compo	Release	Short descrip	iii
SAPK-110COINTSSMDG	Installation	TSSMDG	110	TSSMDG 110	
					Ç
	< >			< >	
- You have not select - Choose [CONTINUE]	ed any further Support	djustment Transports to t			

14. When prompted to add Modification Adjustment transports, click No.



15. In the following screen, adjust the start options as desired and click to import.

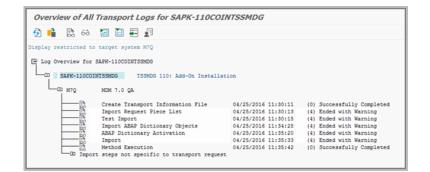
🕞 SAINT: Add-on installation		×
		3
The Add-On TSSMDG re	el.110 is being installed.	
	own problems, read SAP Note 1843158 "Known Problems gr in SAP NW 7.40 AS ABAP".	
The installation que the individual modul	eue is imported using the following start options for les:	r
Preparation: Import 1:	Start in dialog Continue in dialog	
Import 2: Clean Up:	<ul> <li>Continue in dialog</li> <li>Continue in dialog</li> </ul>	
orean op.	- construct in drulog	
	🥑 🖧 Note 🗜 Start options 🕅	8

This step may take several minutes. The Status bar displays the progress of the import.

16. When the installation completes, click **Logs** to review the installation logs.

Ins	stallation of seve	ral Add-ons : Import	ed queue	
Installation queue	Software Compone	nts		
Imported OCS packa				
DCS Package	Package type	Software Compo	Polozco	Short descrip
APK-110COINTSSMDG		TSSMDG	110	TSSMDG 110
APR-110001(100H00	Inscalacion	1351100	110	100100 110
	< > 101			< >
tatus/Demarks				
itatus/Remarks i The Add-on was su - Choose [LOGS] to d	uccessfully imported w	ith the displayed queue		
itatus/Remarks i The Add-on was su - Choose [LOGS] to d	uccessfully imported w isplay the import logs	ith the displayed queue on	reen 6 / 6	
itatus/Remarks i The Add-on was su - Choose [LOGS] to d - Choose [FINISH] to	uccessfully imported w lisplay the import logs complete the installati	ith the displayed queue on		
itatus/Remarks i The Add-on was su - Choose [LOGS] to d - Choose [FINISH] to	uccessfully imported w lisplay the import logs complete the installati	ith the displayed queue on		
itatus/Remarks i The Add-on was su - Choose [LOGS] to d - Choose [FINISH] to	uccessfully imported w lisplay the import logs complete the installati	ith the displayed queue on		

17. In the logs screen, all return codes should be 4 or less. Click **Back** to return to the previous screen.



18. Click **Finish** to complete the Add-on installation.

Installation auguro			ed queue		
Installation queue	Software Components				
Imported OCS packa	ges				
CS Package	Package type	Software Compo	Release	Short descrip	
APK-110COINTSSMDG	Installation	TSSMDG	110	TSSMDG 110	1
					^
					*
	< >			< >	
tatus/Remarks					
i The Add-on was s	uccessfully imported with t	the displayed queue			
- Choose [LOGS] to d					
- Choose [LOGS] to d	complete the installation				

### 19. On the following pop-up, click **Do not send.**

🖙 Sending the runtime analysis	
The import of the OCS queue was successfully finished. During the import of the OCS queue, data about the import proce collected. This data can be sent to SAP with your permission.	ess were
<ul> <li>Choose "Send" to open a feedback form with the runtime anal in a local browser window. You can use this form to send de SAP.</li> </ul>	-
o Choose "Display" to display the runtime analysis first and the feedback form in a local browser window.	then send
<ul> <li>Choose "Do not send" to leave this dialog without sending t runtime analysis data.</li> </ul>	he
🛐 Send 🔀 Display 😣	Do not send

You should see the following messages:

Add-on/PCS	1				
	Release		Description	Imp	ort
ST-PI	740		SAP Solution Tools Plug-In		
TRILLIUM	854	0001	Trillium Connector 8.5 for SAP Basis 7.0		
TSSMDG	110	0000	Trillium Software System DQ Extensions 1		
JIMDG001	100	0003	UI for MDG		
WEBCUIF	747	0008	SAP Web UI Framework		-
					- 1
					^
				<	~
			< >	•	-
			installed successfully stallation or another upgrade		

20. Leave transaction SAINT and log off of client 000.

### Import Fuzzy Search View Customizing

The MDG Business Partner Fuzzy Search View Customizing is delivered in a transport request. To utilize the default list of fields on the fuzzy search view, import transport request M7DK900034.

The transport data file and control file are delivered in the same SAR file as the add-on installation or upgrade. The required transport files should already be in your transport directory. Manually add the transport to your import queue and import it into the SAP client that you will be using to run SAP MDG.

When importing the request in transaction STMS, be sure to use the import options Ignore Non-Permitted Transport Type and Ignore Invalid Component Version.

The transport contains ABAP Webdynpro Floor Plan Manager customizing for component FPM\_SEARCH\_UIBB with configuration ID BS\_BP\_DQUERY\_AD. It controls the fields that appear on the MDG Business Partner Fuzzy Search View. After importing the transport, when you use the "Address Search (Fuzzy)", the following criteria will be available in the search view by default.

Search ERP Customer		
Search Method: Address Search	(Fuzzy)	
Saved Searches:	<	
<ul> <li>Search Criteria</li> </ul>		
Name 1	is 🗸	
Name 2	is 🗸	
Street 👻	is 🗸	
Postal Code 🗸	is 🗸	
City 👻	is 👻	
Region	is 👻	<u>ــــــــــــــــــــــــــــــــــــ</u>
Country	is 🗸	
		Maximum Number of Results: 100
Search Clear Entries Reset to Default	S	ave Search As:

## CHAPTER 3 Configuring the Add-On

This chapter describes how to configure the Trillium Add-on for SAP MDG.

# Activate BC-SET to Install Initial Customizing Settings

Use transaction SCPR20 to activate BC-SET /TSSMDG/MDG\_INITIAL in the customizing client.

Use transaction SCPR20 to activate BC-SET /TSSMDG/MDG\_INITIAL in the customizing client.

#### To activate BC-SET/TSSMDG/MDG\_INITIAL

1. In the initial screen of transaction SCPR20, enter the BC-SET name /TSSMDG/MDG\_INITIAL and click **Activate**.

Business Co	onfiguration Sets: Activation
69 🎖 🗧	후 📫 👬 % 🤾 🖪
BC Set	/TSSMDG/MDG_INITIAL

2. The system prompts you for a customizing request to hold the activated customizing settings. Click **Create** to create a new request.

Request	[]a
Short Description	

3. Enter a short description and click **Save** to create a request.

est				×
		Customizing request		
Activate BC-SET	/TSSMDG/M	DG_INITIAL - Customizing		
				_
CGUERIN		Source client	001	
New		Target	M7V	
10/01/2015	09:59:36			
User				
CGUERIN	1			
	~			
	~			
				8
	Activate BC-SET CGUERIN New 10/01/2015 User	Activate BC-SET /TSSMDG/M CGUERIN New 10/01/2015 09:59:36 User CGUERIN	Customizing request Activate BC-SET /TSSMDG/MDG_INITIAL - Customizing CGUERIN New 10/01/2015 09:59:36 User CGUERIN	Customizing request Activate BC-SET /TSSMDG/MDG_INITIAL - Customizing CGUERIN Source client 001 New Target M7V 10/01/2015 09:59:36 User CGUERIN CGUERIN CGUERIN CGUERIN CGUERIN CGUERIN CGUERIN

4. In the next popup, confirm the use of this newly created request by clicking **Enter**.

📴 M7Q(1)/001 Prompt	for Customizing request	×
Damast		
Request	M7QK900022 Customizing request	
Short Description	Activate BC-SET /TSSMDG/MDG_INITIAL - Customizing	
	Own Requests	8

5. Use the default activation options and click **Enter** to continue the activation.

Activation Information		Activation Options
Activated By:	CGUERIN	Overwrite Data
Date/Time:	09/29/2015 / 14:36:18	<ul> <li>Overwrite All Data</li> </ul>
System/Clientr	M7Q / 001	O Do Not Overwrite Default Values
Workbench Reqst:	Not Required	
Customizing Reqst:	M7QK900022	Select Activation Mode
Activation Links:	Create Locally	<ul> <li>Default Mode (Reccomend)</li> </ul>
		O Expert Mode
Activation Languages:	German	
	English	Deletion Functionality
	French ^	Enable for Classical BC Sets
	Italian 👻	
	< >	
lessages		

At the bottom of the screen, you should receive a message indicating that the BC-SET has been activated successfully.

Business Configu	uration Sets: Activation
69 🐉 🍕 🕯	1 👬 🔏 🥕 🗟
BC Set	/TSSMDG/MDG INITIAL
Short Text	Initial customizing for Trillium DQ Extensions for SAP MDG
Activation successfully control	ompleted 🛛 🗛 🗡 👋   M7Q (1) 001 🕆   HHDTSAPAPP05   INS   🛛   🔊 🖌

6. Click **Activation Logs** to review the activation logs. All lights should be green.

3 🎽 🕿 🔁 🛅 🗐						
● 04/25/2016 um 13:24:37	Ac	tivation Log Acti	vation Ini	formation		
<ul> <li>V_MDG_SDQ_MSG_UI Tì</li> <li>V_USMD_DPCHK_MOD T</li> </ul>			Overvall \	/iew   🚊 🛡 🖍   🖶 🖗 . 🗟 .   🚹   🚺   🚺		0
		ages: e BC Sets	Object	Message Text	Key Field	Info
	Type	e be sets	Object	Main Activation Started	itey field	1110
		/TSSMDG/MDG_INI		BC Set /TSSMDG/MDG_INITIAL passed to activate		
				Customizing object V_MDG_SDQ_MSG_UI passed to activation		
		/TSSMDG/MDG_INI	V_US	Customizing object V_USMD_DPCHK_MOD passed to activation		
				Main Activation Ended		
				Reactivation started		
				Reactivation ended		
		/TSSMDG/MDG_INI	V_MD	Activation of customizing object V_MDG_SDQ_MSG_UI successful		
		/TSSMDG/MDG_INI	V_US	Activation of customizing object V_USMD_DPCHK_MOD successful		
		/TSSMDG/MDG_INI		Activation of BC Set /TSSMDG/MDG_INITIAL ended successfully		
				Activation successfully completed		

7. Leave transaction SCPR20.

### Manual Customizing Settings

To use the Trillium Add-on for SAP MDG, you must make some manual customizing settings in the MDG Implementation Guide.

For fuzzy search with Trillium, you need to update match profile **MATCH\_BP\_ ADDRESS** and remove the **Mandatory** flag from all fields.

- To adjust required fields in match profile for fuzzy search
  - 1. Go to the MDG Implementation Guide by running transaction MDGIMG.
  - 2. Under Master Data Governance > General Settings > Data Quality and Search > Search and Duplicate Check, execute Define Search Applications.

Structure			
~ M	laster Data Governance		
~	General Settings		
• 🗟	General Settings for Material		
General Settings for Business Partner			
> Technical Settings for Master Data			
> Data Modeling			
>	UI Modeling		
~	Data Quality and Search		
~	Search and Duplicate Check		
	Define Search Applications		
	Configure Duplicate Check for Entity Types		
	• 🗟 🕀 Configure Search Applications for Search Services		
	• 🔁 🕀 Create Search Object Connector Templates		
	• 🗟 🕀 Assign Search Object Connector Templates to Object Types		
	• 🗟 🕀 Define Joins and Field Mapping for Reuse Tables		
	• 🔁 🕀 Create Search View		
	🕂 🗟 🕀 Define Drill-Down Search Configuration		
>	Validations and Enrichments		
>	Data Quality Remediation		

3. Confirm the cross-client warning popup.

M7Q(1)/001 Information	×
<b>i</b> Caution: The table is cross-dient	ר ב

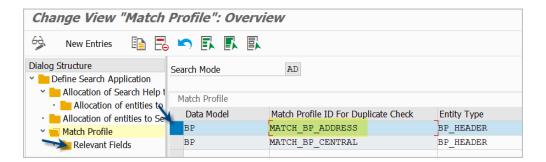
4. Select Search Mode AD. Change the Access Class name to /TSSMDG/ CL\_MDG\_BS\_ADR\_SEARCH.

Change View "Define	Search App	plication": Overview			
🤣 New Entries 🗈 🛃	<b>S S</b>				
Dialog Structure	Define Search A	pplication			
Define Search Application	Srch Mode	Access Class	Freeform	Fuzzy	Complex Selection
<ul> <li>Allocation of Search Help t</li> <li>Allocation of entities to</li> </ul>	AD	/TSSMDG/CL_MDG_BS_ADR_SEARCH			
Allocation of entities to Se	DB	CL_USMD_SEARCH_DATA_DB			
Match Profile	ES	CL_SDQ_USMD_SEARCH_DATA_IMPL	✓	✓	✓
• Relevant Fields	HA	CL_MDG_HDB_SEARCH	✓		
	RK	CL_SDQ_USMD_REMOTE_KEY_SEARCH			

5. Select Search Mode **AD** and then double click **Match Profile** in the tree on the left side of the window.

Change View "Define	Search Ap	plication": Overview			
🚱 New Entries 📑 📑	<b>S B</b>				
Dialog Structure	Define Search A	Application			
Comparison      Compariso	Srch Mode	Access Class	Freeform	Fuzzy	Complex Selection
<ul> <li>Allocation of Search Help t</li> <li>Allocation of entities to</li> </ul>	AD	CL_MDG_BS_ADR_SEARCH			
Allocation of entities to Se	DB	CL_USMD_SEARCH_DATA_DB			
Match Profile	ES	CL_SDQ_USMD_SEARCH_DATA_IMPL	✓	✓	✓
• Relevant Fields	HA	CL_MDG_HDB_SEARCH	✓		
	RK	CL_SDQ_USMD_REMOTE_KEY_SEARCH			

 Select the line for Data Model BP and Match Profile ID MATCH\_BP\_ ADDRESS. Then double click Relevant Fields in the tree on the left side of the window.



7. You will notice that the **Mandatory** check box is selected for some of the address fields.

Change View "Releva	nnt Fields": Ove	erview			
🤣 New Entries 🗈 层	, <b>-</b>	×			
Dialog Structure  Define Search Application  Define Search Application  Allocation of Search Help t  Allocation of entities to	Search Mode Data Model Match Profile ID	AD BP MATCH_BP_ADDRI	ESS		
<ul> <li>Allocation of entities to Se</li> <li>Match Profile</li> </ul>	Relevant Fields				
• 📹 Relevant Fields	Entity Type	Resolved Attribute f	Weight	Fuzziness	Mandatory 7
	AD_POSTAL	CITY1	_		✓
	AD_POSTAL	HOUSE_NR1			
	AD_POSTAL	POST_COD1			✓
	AD_POSTAL	PO_BOX			
	AD_POSTAL	REF_POSTA			
	AD_POSTAL	RFE_POST			
	AD_POSTAL	STREET			
	BP_CENTRL	MCNAME1			
	BP_CENTRL	MCNAME2			

8. De-select the **Mandatory** check box for all of the fields in the list. This will ensure that none of the fields are mandatory for the fuzzy search.

➡ <u>T</u> able View <u>E</u> dit <u>G</u> oto	Selection Utilities S	System <u>H</u> elp		
<ul> <li>×</li> </ul>	« 🖫 🙆 🔕 🔇	) 🗄 H H 🛍	1111	🤹 🖸 🗔
Change View "Releva	nt Fields": Over	view		
🚱 New Entries 📳 📑	, <b>-</b>			
Dialog Structure      Define Search Application	Search Mode Data Model Match Profile ID	AD BP MATCH BP ADDRI	355	
	Relevant Fields			
• <u> Relevant Fields</u>		Resolved Attribute f CITY1	Weight Fuzzi	iness Mandatory
	AD_POSTAL	HOUSE_NR1 POST_COD1		
	AD_POSTAL	PO_BOX REF_POSTA		
	AD_POSTAL	RFE_POST STREET		
	_	MCNAME1 MCNAME2		

9. In the **Sequence** column, enter sequence numbers that match the column order to be used when the fields are displayed in the duplicate check pop-up window. The sequence numbers shown below are a good starting point. Click **Save**.

➡ <u>T</u> able View <u>E</u> dit <u>G</u> oto	Selection <u>U</u> tilities	System <u>H</u> elp					
<ul> <li>•</li> </ul>	« 🕷 🔇 🔇	3 🖶 H 🕂 🕄	ងភា	<b>,</b>	2 🔅		
Change View "Releva							
😔 New Entries 🗈 🗧	5 er er er						
Dialog Structure	Search Mode	AD					
Define Search Application	Data Model	BP					
Allocation of Search Help to Allocation of Search Help to Allocation of Search Help to Allocation of Allocation	Match Profile ID	MATCH_BP_ADDR	ESS				
Allocation of entities to     Allocation of entities to Se						10	
Match Profile	Relevant Fields						
• 🔲 Relevant Fields	Entity Type	Resolved Attribute f	Weight	Fuzziness	Mandatory	Sequence	Ex. Attr
	AD_POSTAL	CITY1				5	
	AD_POSTAL	HOUSE_NR1				3	
	AD_POSTAL	POST_COD1				7	
	AD_POSTAL	PO_BOX				9	
	AD_POSTAL	REF_POSTA				8	
	AD_POSTAL	RFE_POST				6	
	AD_POSTAL	STREET				4	
	BP_CENTRL	MCNAME1				1	
	BP_CENTRL	MCNAME 2				2	

10. The system prompts you for a customizing request to hold the customizing settings. Click Create to create a new request.

Request	<u>[</u> ]
Short Description	

11. Enter a short description and click Save to create a request.

F M7D(1)/001 Create Requ	est				×
Request			Customizing request		
Short Description	Customizing for	match profile	e MATCH_BP_ADDRESS		]
D Project				-	-
Owner	CGUERIN		Source client	001	
Status	New		Target	M7V	]
Last changed	10/01/2015	10:30:56			-
Tasks	User				
	CGUERIN	1			
		^			
		$\sim$		1	
					3

12. In the next popup, confirm the use of this newly created request by clicking **Enter**.

■ M7Q(1)/001 Prompt	for Workbench request	×
3		
Request	M7QK900024 🗇 Workbench request	
Short Description	Customizing for match profile MATCH_BP_ADDRESS	
•	6a 🎼 Own Requests	8

13. Leave transaction MDGIMG.

### CHAPTER 4 Using the Add-On

This chapter describes how to use the Trillium Add-on for SAP MDG. It describes the postal validation, duplicate check, and fuzzy search processes that are enabled in SAP MDG.

### Postal Validation and Duplicate Check

Postal validation performs the check for postal errors and enriches the address data in accordance with postal guidelines. This process takes the data entered in an SAP MDG change request and passes it to the TS Connector, where it is converted, routed, parsed, geocoded, and reconstructed (if required). Then window keys are created, to be used as indexed search fields for duplicate checking and for the fuzzy search process. When the data has been successfully validated, the enriched data is returned to SAP MDG for review prior to saving into the SAP MDG change request. If the data is not successfully validated, a descriptive error message is displayed in a popup window. After the postal validation is complete, the duplicate check is invoked. If any duplicates are found, they are also displayed in a popup window.

In SAP MDG change requests for Business Partners, ERP Customers, and ERP Vendors, there is an assignment block for entering address data:

					₽, ₽ ₽
Change Request	/ Edit				
General Notes Attachn	nents				
General Data		Process Data			
Change Request ID:	146	Status:	Changes to	Be Executed	
* Description:	Create new customer	Current Workitem:	New Chang	ge Request	
Priority:	Ÿ	Created On/By:		10/02/2015 10:13:07	Chaz Guerin
Due Date:	1				
Reason:	v				
FDD Gustamas Datall					
ERP Customer Detail	S Cdit				
	S Edit	Address			
ERP Customer Detail ministrative Data Customer:	S Edit	Address Street / House Number:	300 conco	rd rd	
ministrative Data	S Edit		300 conco 01821	rd rd billerica	
ministrative Data Customer:		Street / House Number:			
ministrative Data Customer:		Street / House Number: Postal Code / City:	01821		] [
ministrative Data Customer: * Account Group:	Customer (general) v	Street / House Number: Postal Code / City: *Country:	01821 us 🗇		
ministrative Data Customer: * Account Group: BP Type: BP category:	Customer (general) v	Street / House Number: Postal Code / City: *Country: Region:	01821 us 🗇		
ministrative Data Customer: *Account Group: BP Type:	Customer (general) v	Street / House Number: Postal Code / City: Country: Region: *Language:	01821 us 🗇	billerica	
ministrative Data Customer. * Account Group: BP Type: BP category: neral Data	Customer (general) v	Street / House Number: Postal Code / City. Country: Region: Language: Transportation Zone:	01821 us 🗇	billerica	

After entering the address data and clicking enter or clicking **Check**, the entered address data is passed to Trillium via SAP Business Address Services and the TS Connector for SAP. After the data has been validated and enriched, it is returned to SAP MDG along with any appropriate messages. Upon return from Trillium, the address data and any messages are displayed in a popup window in SAP MDG:

Address was succe	essfully checked.	
Field description	Original address	Corrected address
House Number		300
Street	300 concord rd	Concord Rd
City	billerica	Billerica
Region		MA
Postal Code	01821	01821-6612
Country	US	US

This window displays the originally entered address as well as the corrected address and allows the user to choose which version of the address they would like to use. Any messages are displayed above the address data. You can also choose to view only the fields that have been changed by clicking **All** <-> **Differences**.

If there is an inconsistency with the entered address data, an error message is displayed above the address data:

richment	□ >
Original address	Corrected address
300	300
XXXXXX	Хххххх
billerica	Billerica
	MA
01821	01821
US	US
	Original address 300 xxxxxx billerica 01821

After choosing the corrected address or the originally entered address, the selected address data is passed to the duplicate check. Trillium then checks for the existence of any duplicates. If any duplicates are found, they are displayed in a popup window:

<mark>,</mark> Du	plicate	exists with	99.90 similarity; you (	can proceed								
Che	cked	Record:										
C	Cha	Busi	Name 1/last nm	Name2/first nme	Hous	Street	City	Region	Postal Code	Countr	y	PO Box
		\$12	TRILLIUM SO		300	Conco	Billerica	MA	01821-6612	USA		
6	Cha	Busi	Name 1/last nm	Name2/first nme	Hou	Street	City	Region	Postal Code	Cou	PO	Score
		131	TRILLIUM S		300	Concord Rd	Billerica	MA	01821-6612	USA		99.90
		132	TRILLIUM S		300	Concord Rd	Billerica	MA	01821-6612	USA		
		133	TRILLIUM S		290	Concord Rd	Billerica	MA	01821-3405	USA		90.00
								Conti	nue Switch to [	Duplicate		leansing Cas

The user has the option of ignoring the potential duplicates by clicking **Continue**. If the user believes that one of the entries is a duplicate, they can select that business partner and click **Switch to Duplicate**. The data that was entered up to this point is discarded and the existing business partner is displayed.

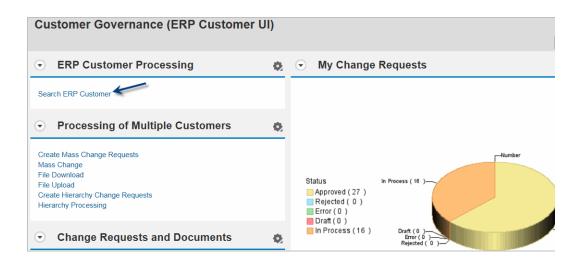
If no duplicates are found or the user clicks continue on the duplicate check popup, the selected address data is updated to the SAP MDG change request, as shown in the following figure:

House Number / Street:	300	Concord Ro	1
City / State:	Billerica	MA 🗇	Massachusetts
ZIP Code:	01821-6612		
* Country:	US 🗍 USA		
District:			
*Language:	EN D English		
Tax Jurisdiction:			
Transportation Zone:	L D		
) Box Postal Code / PO Box:			
PO Box Without Number:			
Company Postal Code:			

### **Fuzzy Search**

The fuzzy search function enables you to search for an organization or person using a partial name and address. However, unlike other SAP standard search options, it performs postal validation and creates window keys from the entered search criteria. Therefore, the search can retrieve records with the same window keys and perform the reference matching process in TS Quality. This is generally the same process as duplicate check. The difference is in the matcher business rules, which are not as tightly defined to accommodate the partially entered name and address.

To perform the fuzzy search in SAP MDG, navigate to one of the Business Partner, ERP Customer, or ERP Vendor search views. For example, you can navigate from the MDG for Customer home page to the ERP Customer search view:



On the search view, you need to select the **Address Search (Fuzzy)** option in the **Search Method** drop-down box. Then enter your search criteria and click search. The Trillium fuzzy search results appear in the lower portion of the search view, after the Search Criteria section:

	Search M	ethod: Address Search (F	Fuzzy) 🗸	
aved Se	earches:		▼ 💼	
	Search (	Critorio		
•	Search	JITTELIA		
Name 1	1	~	is 🗸	
Name 2			is 🗸	
Street			is 🗸	300 concrd
Postal Code			is 🗸	
City 🗸		~	is 🗸	01821
Region		~	is 🗸	
Country ~		~	is 🗸	US
				✓ Maximum Number of Results: 1
Search	Clear En	tries Reset to Default	Sa	ave Search As:
Pocult	Liet 14	business partners f	found	
			Replication Status Replicate	
			Replication Status	
Ъ Р	Busin	Description		
	122	Trillium Software New 7	/ 300 Concord Rd / Billeri	
	123	Trillium Software New / 3	300 Concord Rd / Billerica	
<u>ē</u> .	124	Trillium Vendor / 300 Co	ncord Rd / Billerica MA 01	

Note that the search criteria used in this example are entered with the following errors, but the results are still found.

- House number and street name are both entered in the street name field
- The street name is spelled incorrectly
- The postal code is entered in the city name field

For additional information on configuring and using Trillium postal validation, duplicate checking, and fuzzy search, see the *TS Connector for SAP Products Reference Guide*.

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