

# Automation of Exchange Rates Entry in SAP

[www.ob08.net](http://www.ob08.net)

## Customizing and Usage Guide

WAE Solutions LLC ([www.waesolutions.com](http://www.waesolutions.com))

August 2022

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### 1. About this document

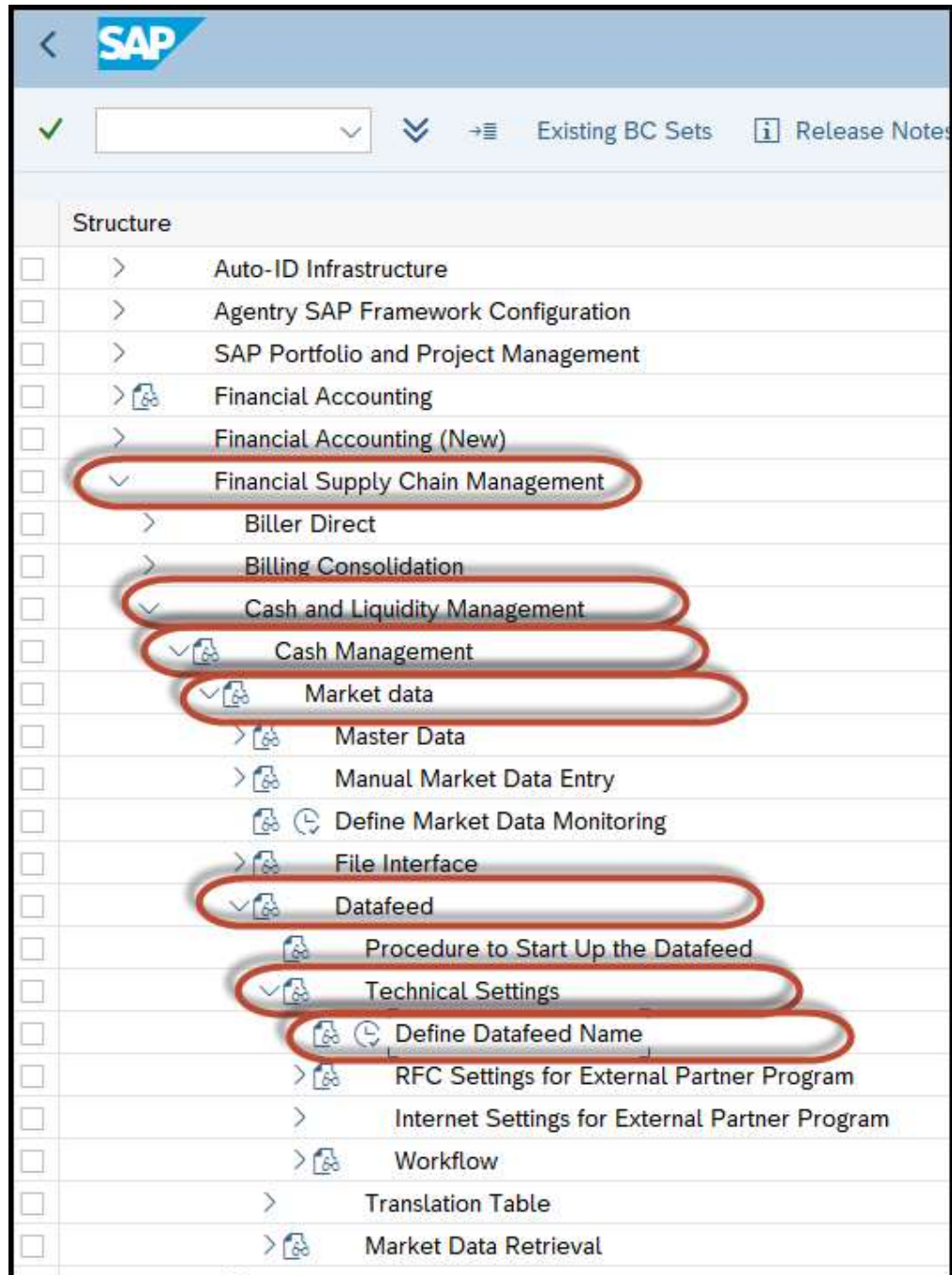
The purpose of this document is to provide the reader (user, SAP consultant) with the general guidelines to customize and to test the **Automatic Exchange Rate Update** functionality, by executing the SAP standard TBD4 transaction.

For using this solution, you must previously contact **WAE Solutions** ([info@waesolutions.com](mailto:info@waesolutions.com)), in order to have a test-user with their respective credentials.

Likewise, **WAE Solutions** will provide you with information about the respective instruments to be used based on your specific currency needs to be updated in your own SAP by using this automatic process.





This document is a guide to be able to assist you in the tasks of customizing, execution and testing of the process. If you have any questions about this guide, please write to [info@waesolutions.com](mailto:info@waesolutions.com).

### 2. Basic customizing for using this functionality




Please respect the use of upper and lower case letters.





SAP Change View "Datafeed"

✓  Cancel    




















Datafeed: Permitted Datafeeds

Data Provider	Description	Usage log	FeedActive?	Quotation Origin/...	QuOrig/Comm(06)
WAE-Solut	Automatic Exchange Rates	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

SAP Existing BC Sets  Release Notes

✓     

Structure

- ☐ > Auto-ID Infrastructure
- ☐ > Agency SAP Framework Configuration
- ☐ > SAP Portfolio and Project Management
- ☐ >  Financial Accounting
- ☐ > Financial Accounting (New)
- ☒  Financial Supply Chain Management
  - ☐ > Biller Direct
  - ☐ > Billing Consolidation
  - ☒  Cash and Liquidity Management
    - ☒  Cash Management
    - ☒  Market data
      - ☐ >  Master Data
      - ☐ >  Manual Market Data Entry
      - ☐  Define Market Data Monitoring
      - ☐ >  File Interface
      - ☒  Datafeed
        - ☐  Procedure to Start Up the Datafeed
        - ☒  Technical Settings
          - ☐  Define Datafeed Name
          - ☒  RFC Settings for External Partner Program
            - ☐  Define RFC Destination
            - ☒  Assign Datafeed RFC Destination
            - ☐  Define Users for Transactional RFC
            - ☐  Define Print Options for Log (Transactional RFC)
          - ☐ > Internet Settings for External Partner Program
          - ☐ >  Workflow
          - ☐ > Translation Table

Determine Work Area: Entry

Field Name: Data Provider

Work Area: WAE-Solut

Further select cond. Append

Please respect the use of upper and lower case letters.

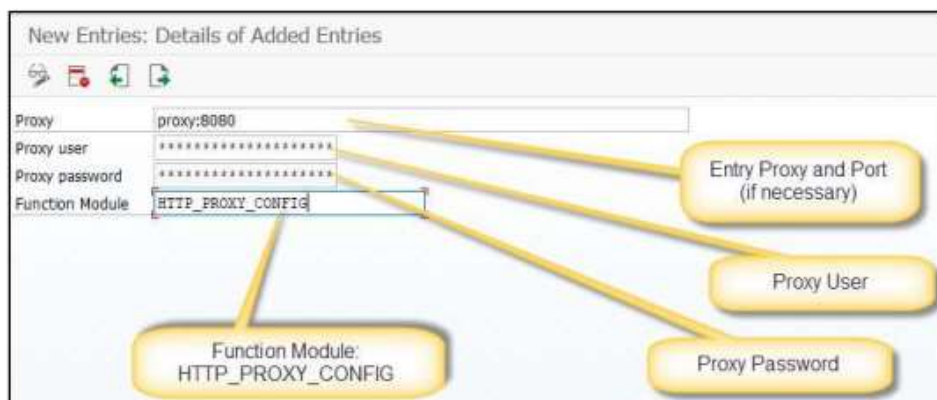
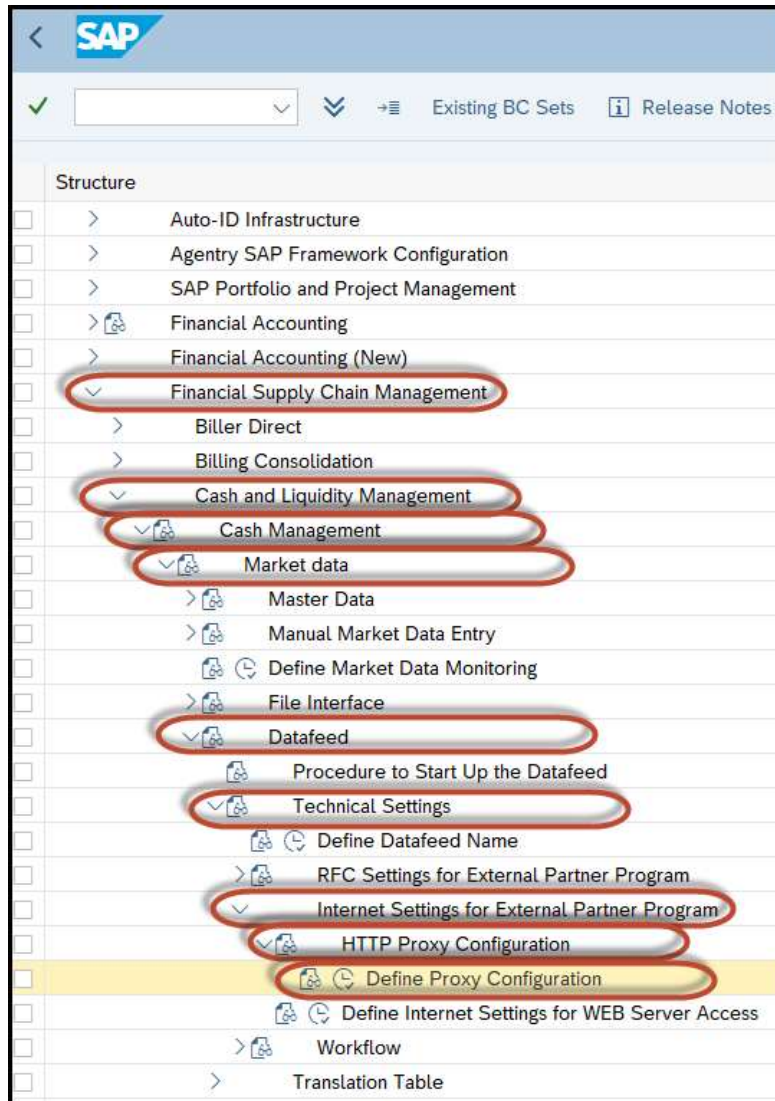
Data Provider: WAE-Solut

Datafeed: Technical settings external partner program

Mode	Function	RFC destination	Back-up RFC destination
1	TB_DATAFEED_INTERNET_ACCESS	NONE	

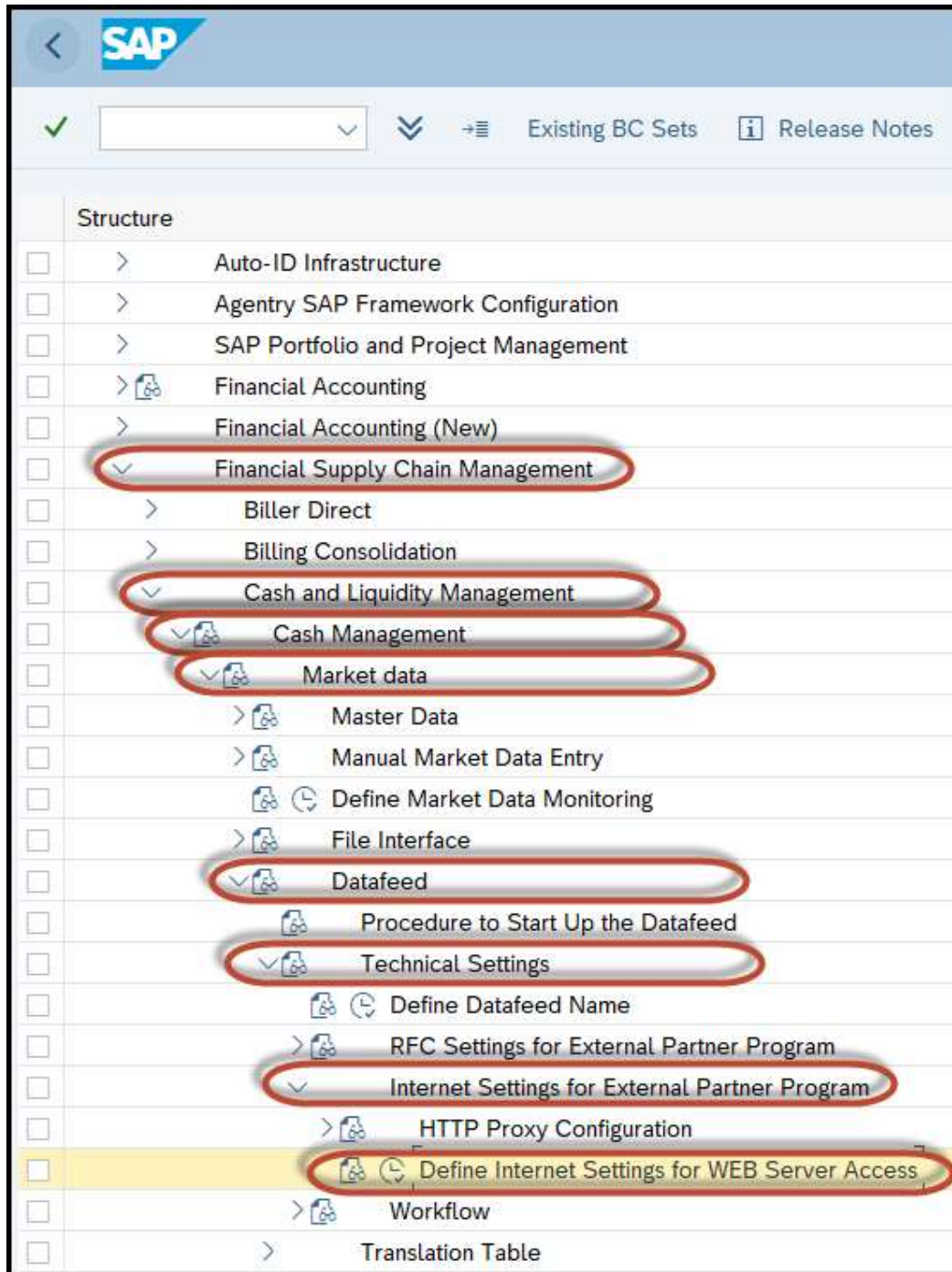
Function: TB\_DATAFEED\_INTERNET\_ACCESS

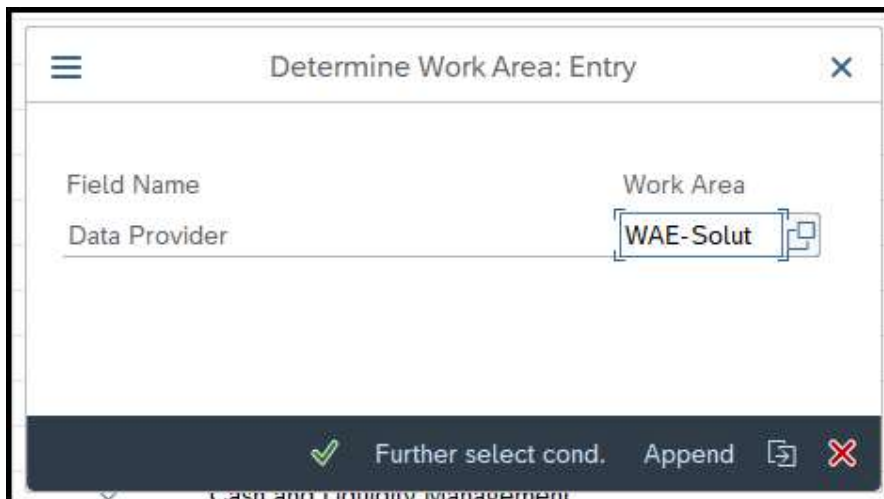
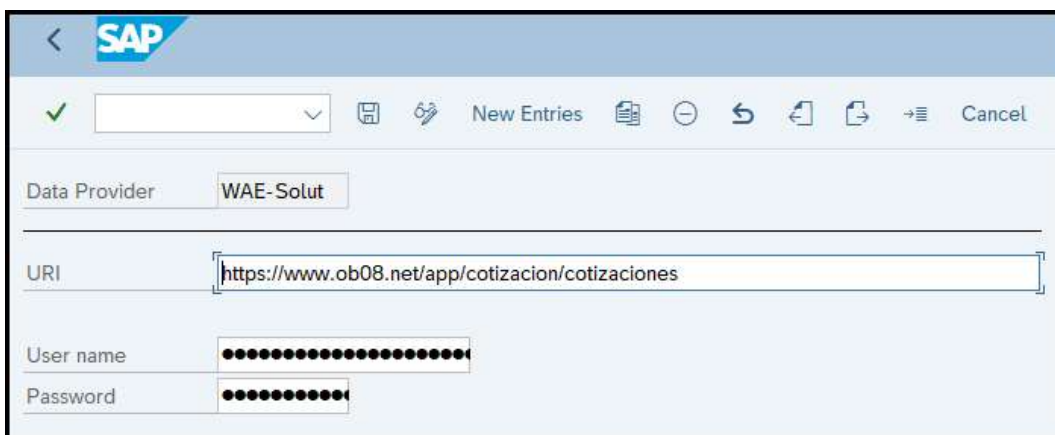
**Proxy definition** (only if necessary, in your SAP installation). The data must be completed based on the specific data of your installation.





Connection settings:



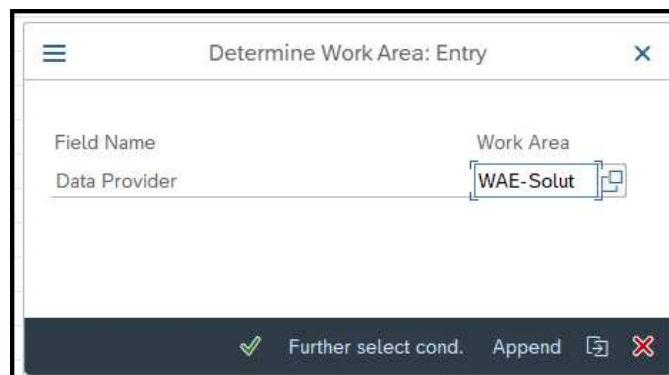
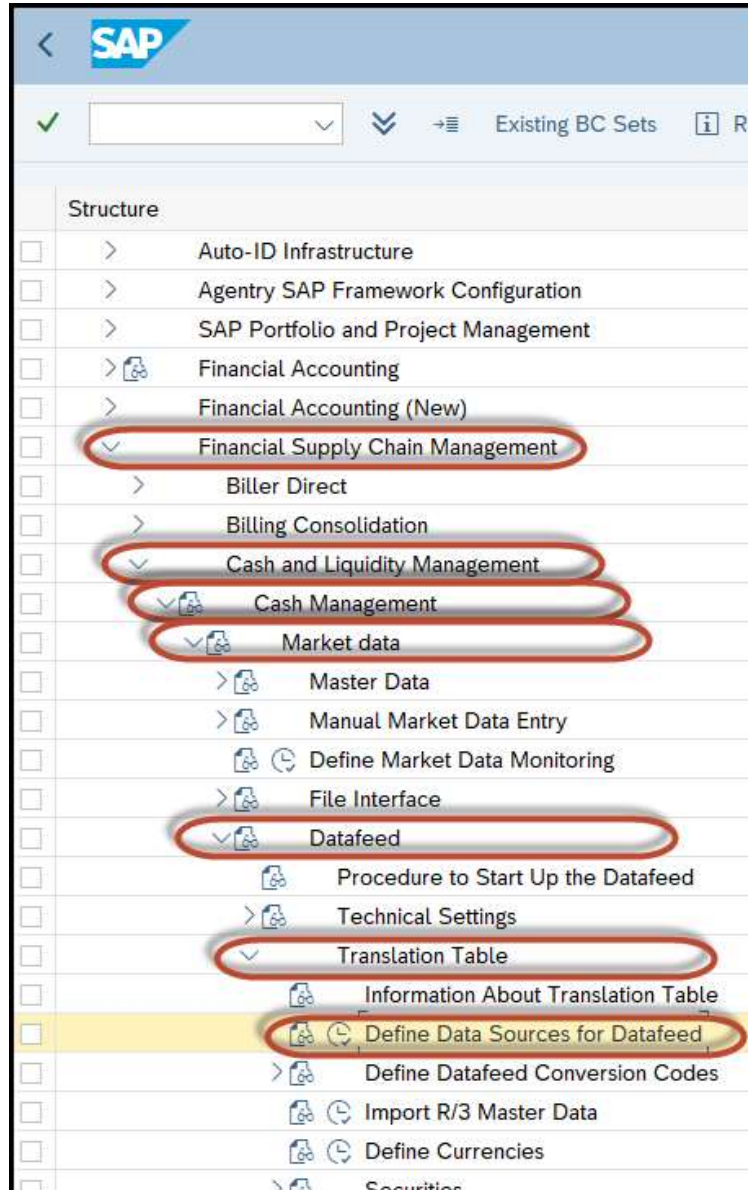
*Please respect the use of upper and lower case letters.*

URL: “<https://www.ob08.net/app/cotizacion/cotizaciones>”

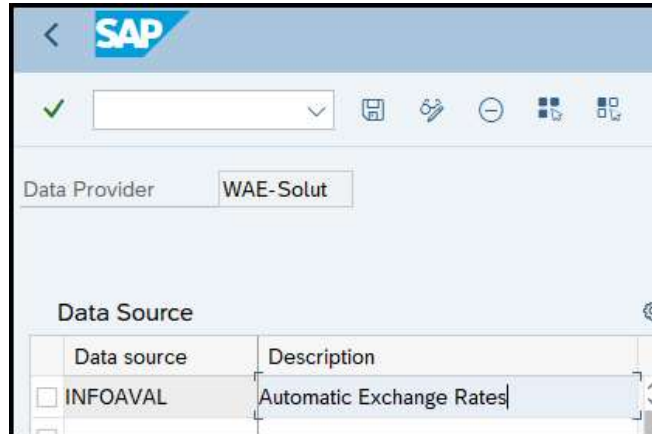
User name: *provided by WAE Solutions* (if you do not have it send, please an e-mail to [info@waesolutions.com](mailto:info@waesolutions.com))

Password: *provided by WAE Solutions* (if you do not have it send, please an e-mail to [info@waesolutions.com](mailto:info@waesolutions.com))



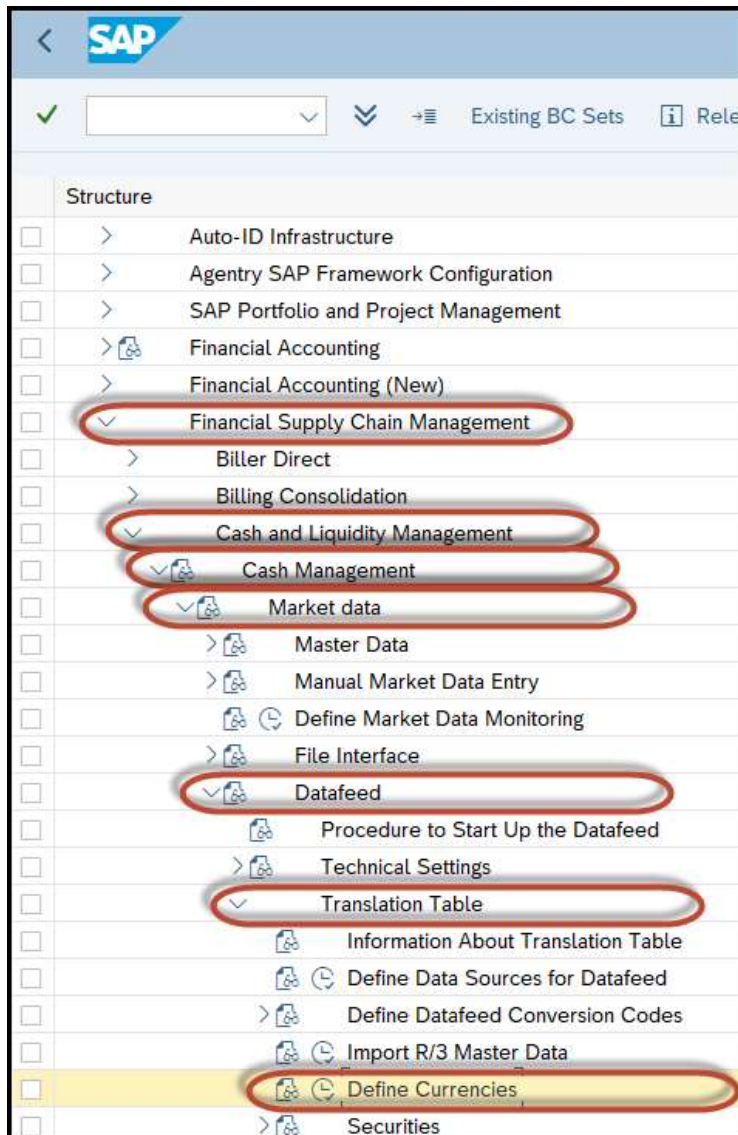


Please respect the use of upper and lower case letters.



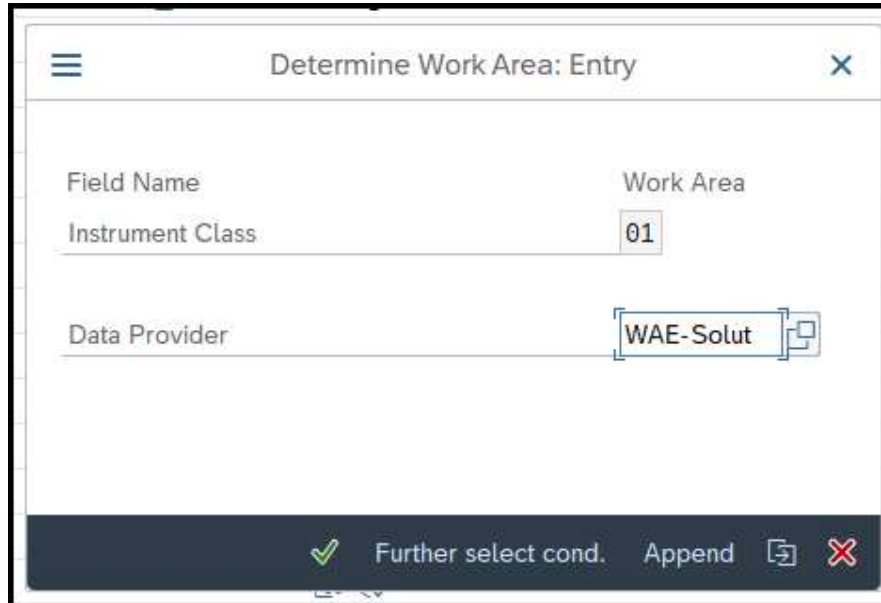
The screenshot shows the SAP configuration interface. At the top, there is a 'Data Provider' field with the value 'WAE-Solut'. Below it, the 'Data Source' section contains a table with two columns: 'Data source' and 'Description'. The first row in the table has the value 'INFOAVAL' in the 'Data source' column and 'Automatic Exchange Rates' in the 'Description' column.

Data source	Description
INFOAVAL	Automatic Exchange Rates



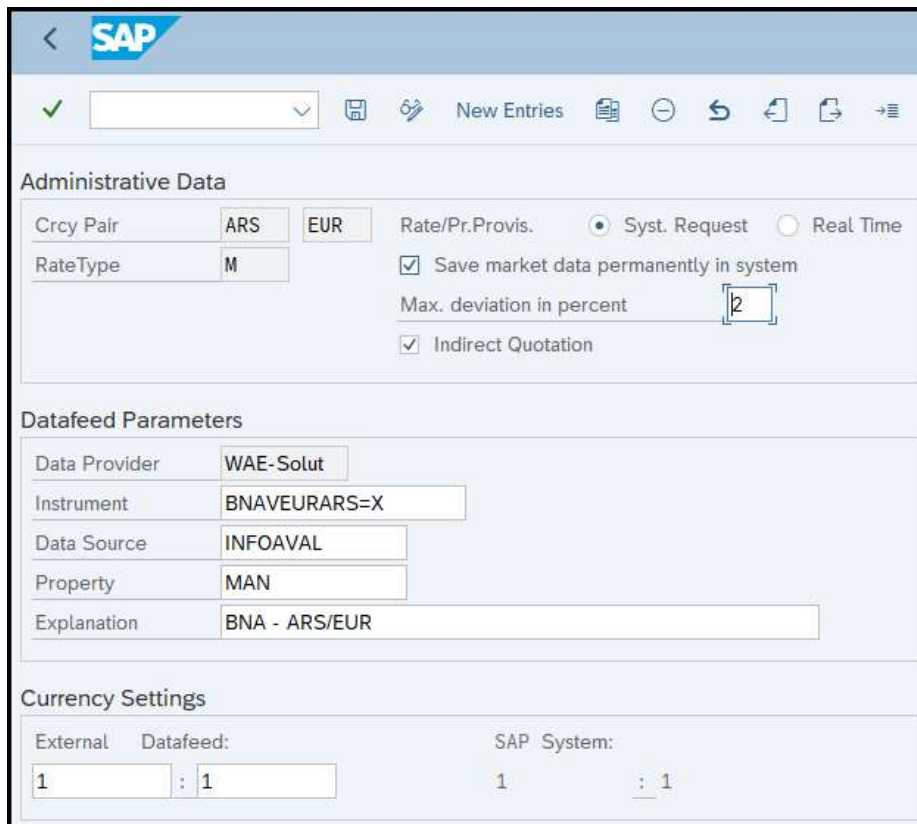
The screenshot shows the SAP Structure Explorer. The path to 'Define Currencies' is highlighted with red circles. The path is: Financial Supply Chain Management > Cash and Liquidity Management > Cash Management > Market data > Datafeed > Translation Table > Define Currencies.

- Structure
  - > Auto-ID Infrastructure
  - > Agency SAP Framework Configuration
  - > SAP Portfolio and Project Management
  - > Financial Accounting
  - > Financial Accounting (New)
  - ✓ Financial Supply Chain Management
    - > Biller Direct
    - > Billing Consolidation
    - ✓ Cash and Liquidity Management
      - ✓ Cash Management
        - ✓ Market data
          - > Master Data
          - > Manual Market Data Entry
          - Define Market Data Monitoring
          - > File Interface
          - ✓ Datafeed
            - Procedure to Start Up the Datafeed
            - > Technical Settings
            - ✓ Translation Table
              - Information About Translation Table
              - Define Data Sources for Datafeed
              - > Define Datafeed Conversion Codes
              - > Import R/3 Master Data
              - Define Currencies
              - > Securities

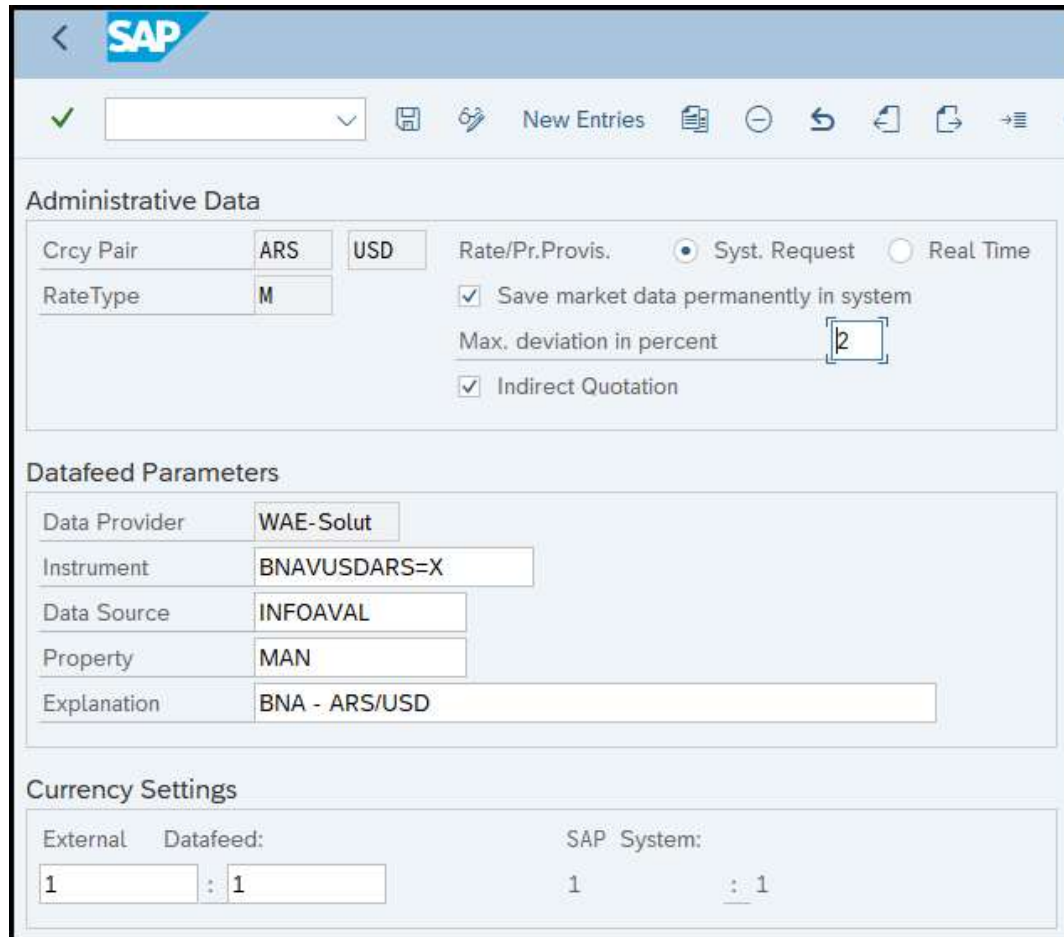


Please respect the use of upper and lower case letters.

Example for a SAP installation that needs to update the ARS (Argentine peso) against the EUR (euro) based on the official source for Argentina:



Example for a SAP installation that needs to update the ARS (Argentine peso) against the USD (United States dollar) based on the official source for Argentina:



**Administrative Data**

Crcy Pair	ARS	USD	Rate/Pr.Provis.	<input checked="" type="radio"/> Syst. Request	<input type="radio"/> Real Time
RateType	M		<input checked="" type="checkbox"/> Save market data permanently in system		
			Max. deviation in percent	2	
			<input checked="" type="checkbox"/> Indirect Quotation		

**Datafeed Parameters**

Data Provider	WAE-Solut
Instrument	BNAVUSDARS=X
Data Source	INFOAVAL
Property	MAN
Explanation	BNA - ARS/USD

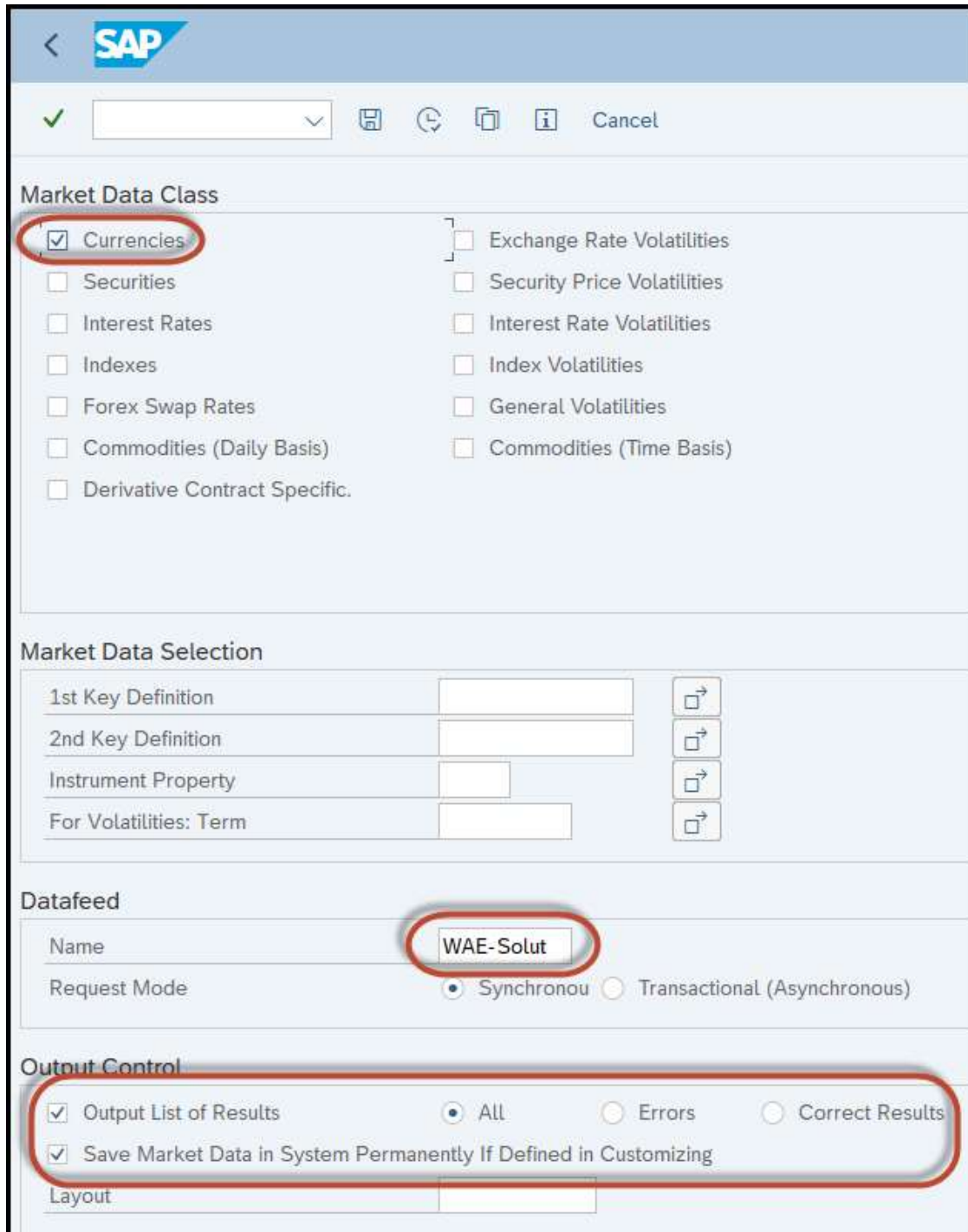
**Currency Settings**

External	Datafeed:	SAP System:
1	: 1	1 : 1

**Save the transport order.**

### 3. TBD4 transaction execution

It is recommended to save this execution as a selection variant, since it will be used later, when defining the daily job.



**Market Data Class**

☒ Currencies

☐ Securities

☐ Interest Rates

☐ Indexes

☐ Forex Swap Rates

☐ Commodities (Daily Basis)

☐ Derivative Contract Specific.

☐ Exchange Rate Volatilities

☐ Security Price Volatilities

☐ Interest Rate Volatilities

☐ Index Volatilities

☐ General Volatilities

☐ Commodities (Time Basis)

**Market Data Selection**

1st Key Definition

2nd Key Definition

Instrument Property

For Volatilities: Term

**Datafeed**

Name: WAE-Solut

Request Mode: ☒ Synchronou ☐ Transactional (Asynchronous)

**Output Control**

☒ Output List of Results ☒ All ☐ Errors ☐ Correct Results

☒ Save Market Data in System Permanently If Defined in Customizing

Layout

Result of the execution:

SAP

Mkt data - 19.08.2022, 16:47:39 o'clock User: USER02

Market data class: 01 Currencies Data source: WAE-Solut

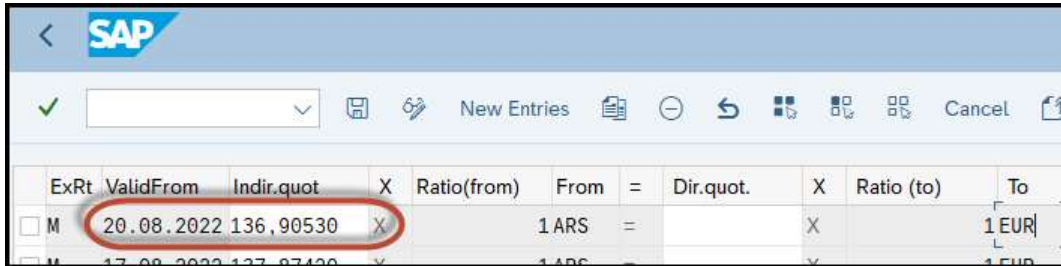
From curr.	To-Currency	Cat	Date	Value	"Fr"
Refresh	UpdateFlag	Status	Warning/error message		
<input type="checkbox"/> ARS	EUR	M	20.08.2022	136,90530	
X	X				
<input type="checkbox"/> ARS	USD	M	20.08.2022	136,17000	
X	X				
<input type="checkbox"/> EUR	ARS	M	20.08.2022	136,90530	
X	X				
<input type="checkbox"/> USD	ARS	M	20.08.2022	136,17000	
X	X				

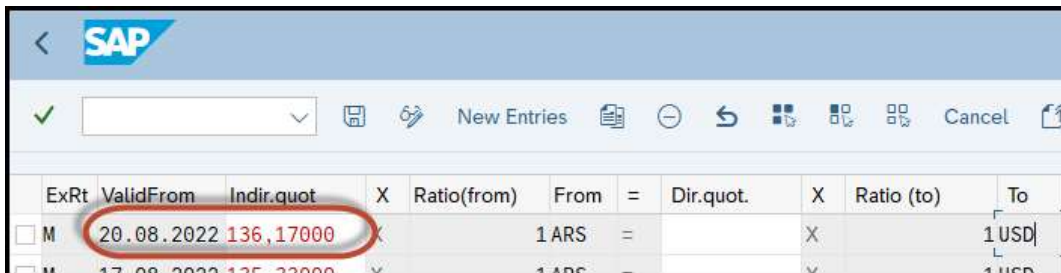
Transfer Statistics	Successful	Warnings	Error
Market data class: 01 Currencies	4	0	0
Overall	4	0	0



### 4. Result verification in the OB08 transaction



ExRt	ValidFrom	Indir.quot	X	Ratio(from)	From	=	Dir.quot.	X	Ratio (to)	To
M	20.08.2022	136,90530	X		1 ARS	=		X		1 EUR



ExRt	ValidFrom	Indir.quot	X	Ratio(from)	From	=	Dir.quot.	X	Ratio (to)	To
M	20.08.2022	136,17000	X		1 ARS	=		X		1 USD

Verification on the official source for this example:

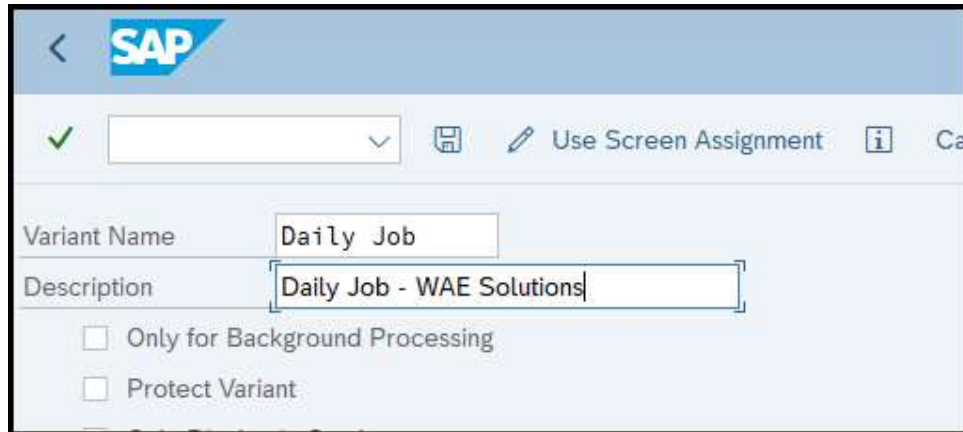


Cotización Billetes		Cotización Divisas	
	Compra	Venta	
19/8/2022			
Dolar U.S.A	135.9700	136.1700	
Libra Esterlina	160.6893	161.3342	
Euro	136.3643	136.9053	
Franco Suizos *	14175.5913	14216.1047	
YENES *	99.3152	99.6202	
Dolares Canadienses *	10462.1463	10492.2109	
Coronas Danesas *	1832.4067	1848.3500	
Coronas Noruegas *	1383.2729	1398.5540	
Coronas Suecas *	1280.2585	1295.6105	

### 5. Daily job creation

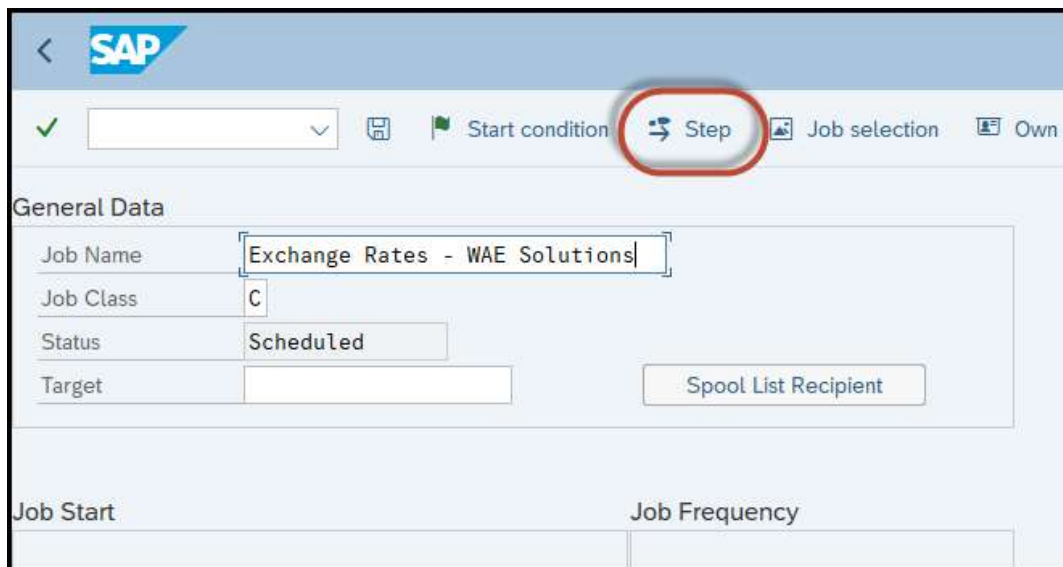
Before you create the job, save a variant in transaction TBD4 with all the same parameters than before.

Suggested variant name: "Daily Job"



The screenshot shows the SAP variant creation screen. The variant name is "Daily Job" and the description is "Daily Job - WAE Solutions". There are two checkboxes: "Only for Background Processing" and "Protect Variant", both of which are unchecked. The SAP logo is visible in the top left corner.

Access then to the SM36 transaction to create the job:



The screenshot shows the SAP SM36 transaction screen. The "Step" button is highlighted with a red circle. The job name is "Exchange Rates - WAE Solutions", the job class is "C", and the status is "Scheduled". There is a "Spool List Recipient" button. The SAP logo is visible in the top left corner.

<

SAP

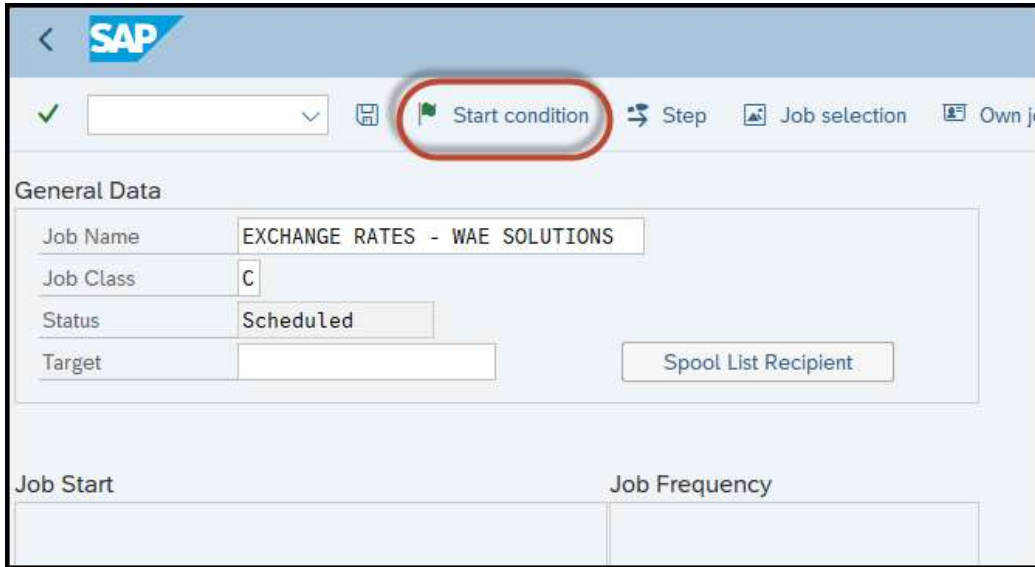
✓

|

✓

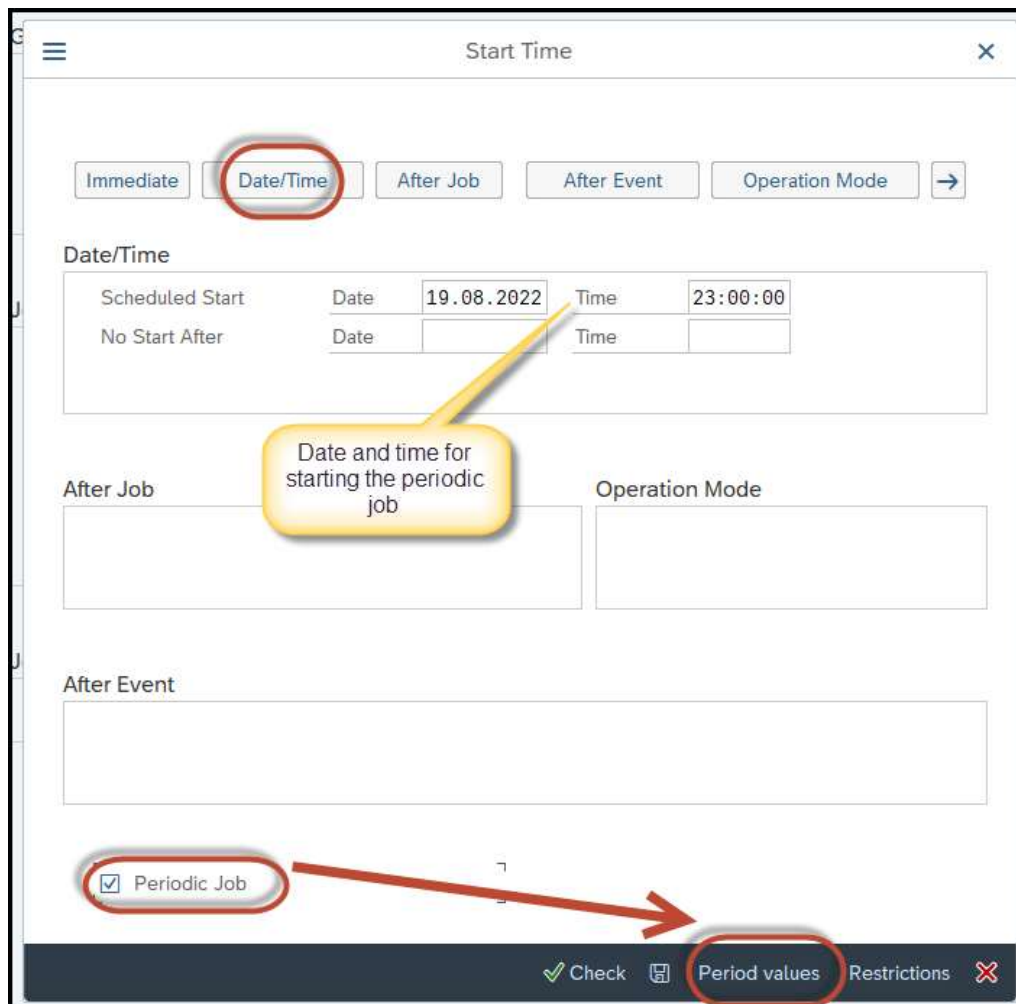
Spool

No.	Program name/command	Prog. type	Spool list	Parameters	User	Lang.
1	RFTBDF07	ABAP		DAILY JOB	USER02	EN



SAP Job Configuration Screenshot:

- Start condition** (highlighted with a red circle)
- General Data**
  - Job Name: EXCHANGE RATES - WAE SOLUTIONS
  - Job Class: C
  - Status: Scheduled
  - Target: (empty field)
  - Spool List Recipient: (button)
- Job Start** and **Job Frequency** (empty fields)



SAP Start Time Configuration Screenshot:

- Start Time** (highlighted with a red circle)
- Date/Time** (highlighted with a red circle)
  - Scheduled Start: Date 19.08.2022, Time 23:00:00
  - No Start After: Date (empty), Time (empty)
- After Job** (empty field)
- Operation Mode** (empty field)
- After Event** (empty field)
- Periodic Job** (checked, highlighted with a red circle)
- Period values** (highlighted with a red circle)

**Annotations:**

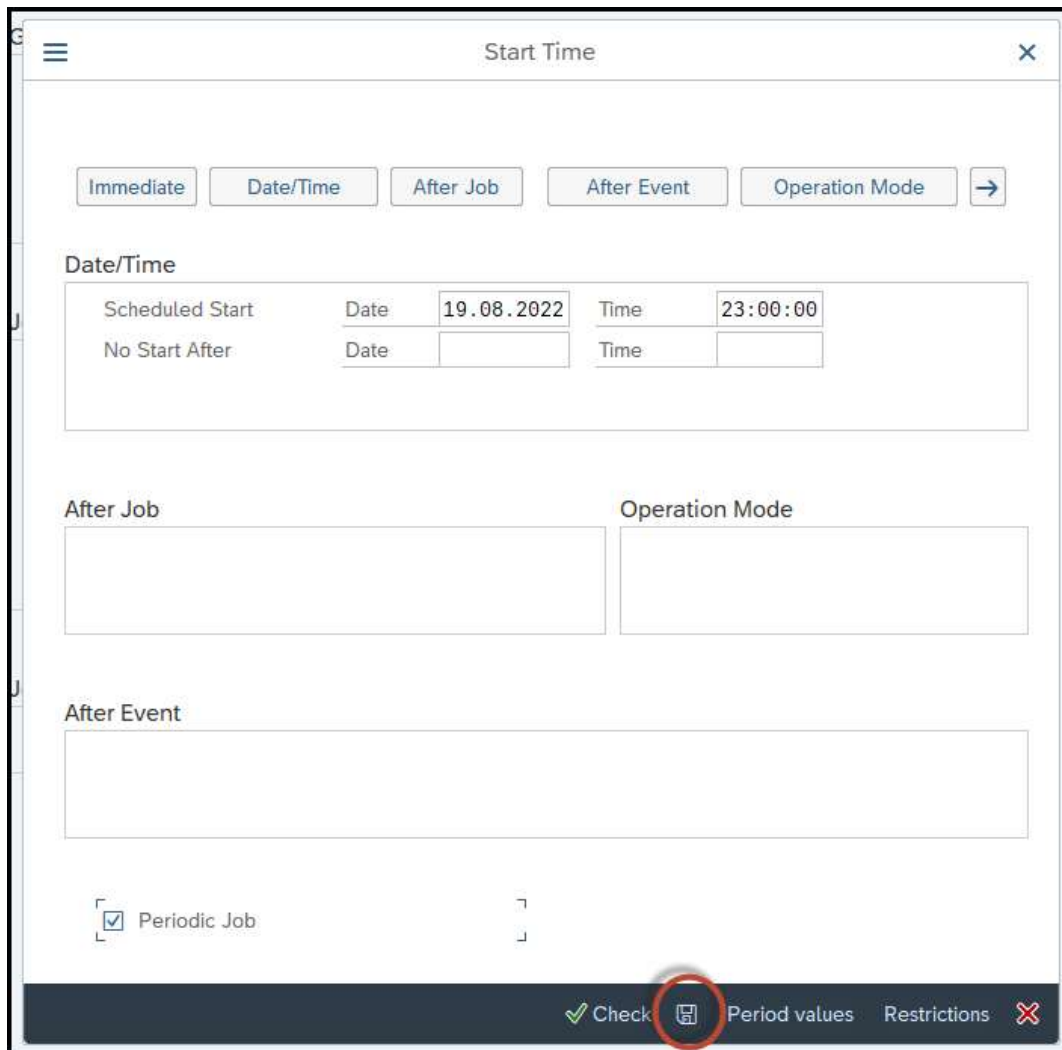
- Yellow callout: "Date and time for starting the periodic job" pointing to the Date/Time section.
- Red arrow: Points from the **Periodic Job** checkbox to the **Period values** button.



Period Values

Hourly  
Daily  
Weekly  
Monthly  
Other period

✓ Check  ✗



Start Time

Immediate Date/Time After Job After Event Operation Mode →

Date/Time


Scheduled Start	Date	19.08.2022	Time	23:00:00
No Start After	Date		Time	

After Job

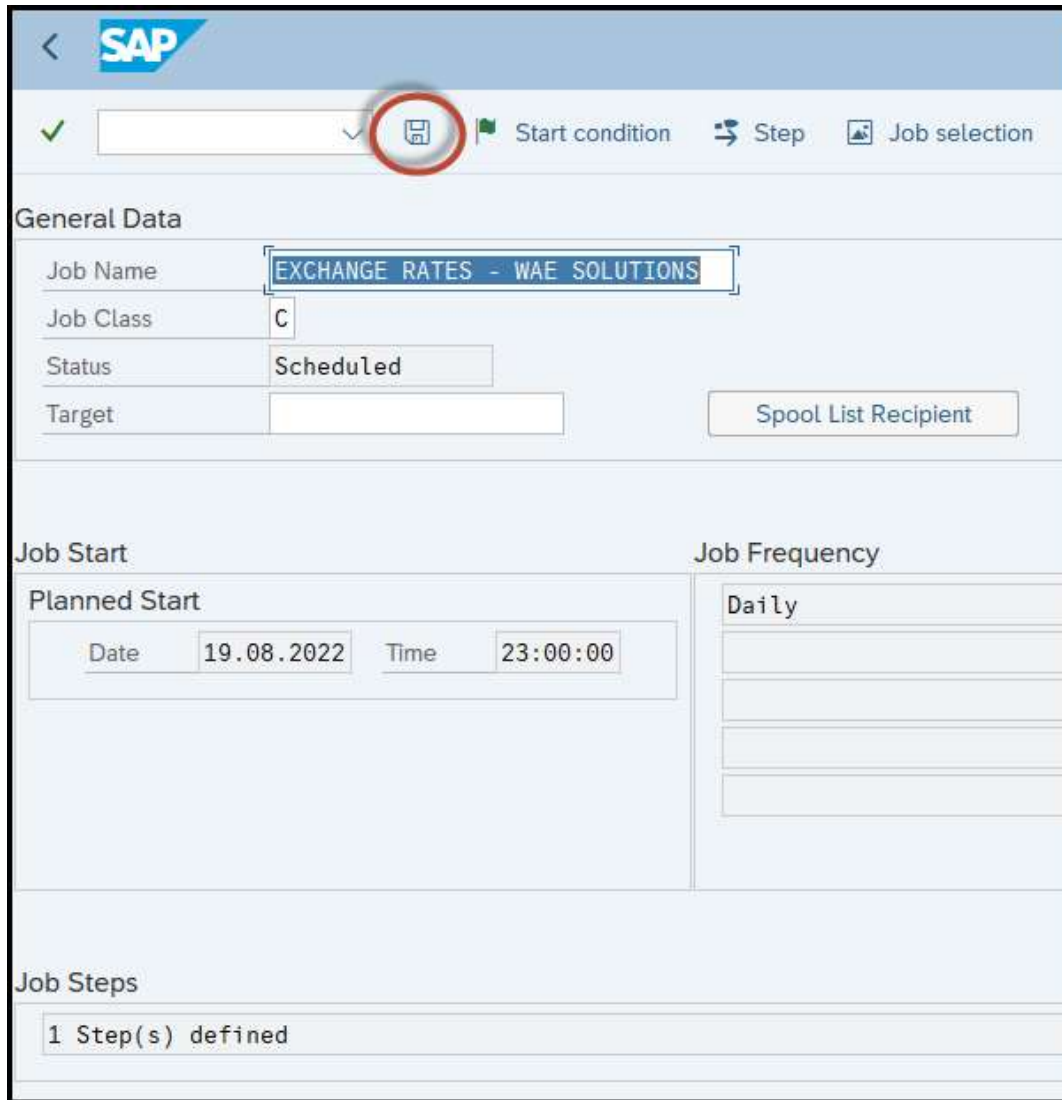
Operation Mode

After Event

☒ Periodic Job

✓ Check  Period values Restrictions ✗

Please save it only one time:



The screenshot shows the SAP Job Configuration interface. At the top, there is a navigation bar with a back arrow, the SAP logo, and a search bar. Below the search bar, there are icons for 'Start condition', 'Step', and 'Job selection'. The main section is titled 'General Data' and contains the following fields:

- Job Name: EXCHANGE RATES - WAE SOLUTIONS
- Job Class: C
- Status: Scheduled
- Target: (empty field)
- Spool List Recipient: (button)

Below the 'General Data' section, there are two sub-sections: 'Job Start' and 'Job Frequency'.


**Job Start:**

- Planned Start:
  - Date: 19.08.2022
  - Time: 23:00:00

**Job Frequency:**

- Daily

At the bottom, there is a 'Job Steps' section showing '1 Step(s) defined'.

 Job EXCHANGE RATES - WAE SOLUTIONS saved with status: Released [View details](#)



### 6. Verification in transaction SM37

The screenshot shows the SAP SM37 'Job Status' screen. The 'Execute' button is circled in red. The 'Job Name' field contains an asterisk (\*). The 'User Name' field contains 'USER02'. Under 'Job Start Condition', the 'From' and 'To' date fields are both set to '19.08.2022'. A yellow callout bubble points to the '19.08.2022' date, stating: 'First day, defined previously in the SM36 transaction'. The 'Job Step' section shows 'ABAP Program Name' as empty.

If you see it like follows, it was created correctly.

The screenshot shows the 'Job Overview' screen in SAP SM37. The job 'EXCHANGE RATES - WAE SOLUTIONS' is listed with status 'Released'. The table below shows the job details.

JobName	Spool	Job doc	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)
EXCHANGE RATES - WAE SOLUTIONS			USER02	Released			0	0
*Summary							0	0

## 7. Contact information, doubts, questions

If you need any additional information about this document or this process, please write to us at [info@waesolutions.com](mailto:info@waesolutions.com).