



TCMB CURRENCY RATES

User Manual

For Odoo 19 Community Edition

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1. INTRODUCTION

The **TCMB Currency Rates** module connects Odoo 19 to the Turkish Central Bank (TCMB) daily exchange rate service. It downloads official rates, stores them in the module's own table, and syncs selected rates into Odoo's accounting currencies.

■ Key Features

- Daily automatic updates via scheduled action
- Historical data import from 1996 onwards
- Per-currency auto-update toggle
- Configurable retry mechanism
- Turkey holiday skip option
- Complete audit trail with Run History

2. WHERE TO FIND TCMB

The TCMB module is accessible from multiple locations in Odoo:

Location	Navigation Path
Main Menu	Accounting → Configuration → TCMB Rates
Currencies	Accounting → Configuration → Currencies
Settings	Accounting → Configuration → Settings
Scheduled Action	Settings → Technical → Automation

3. TCMB RATES MENU

3.1 Fix Cron (Log Manual Runs)

Purpose: Updates the scheduled action's code so manual runs appear in Run History.

When to use: Run once if manual cron executions don't appear in Run History (typical after upgrade).

Access: Accounting Manager

3.2 Update from TCMB

- **What it does:**

- Fetches today's rates from TCMB
- Saves rates in Exchange Rates table
- Syncs to Odoo Currencies (TCMB Auto enabled only)
- Creates Run History entry with detailed chatter

3.3 Exchange Rates

Opens the list of all TCMB exchange rates fetched from the Central Bank. This table shows historical and current rates with sync status.

Important Notes

You cannot create or edit rates from this list. **Rates come from:**

- TCMB daily updates
- Import Historical wizard

3.4 Sync Date to Odoo

Wizard to sync **one specific date** from existing TCMB data into Odoo Currencies. Useful after importing historical data.

Steps:

1. Open the wizard
2. Choose Rate Date
3. Click Sync

3.5 Import Historical

Import TCMB rates for a **date range** (from 16 April 1996 onwards). Data is fetched from TCMB's historical URLs.

Field	Description
Start Date	First date to import (min: 16 Apr 1996)
End Date	Last date to import
Skip Weekends & Holidays	Skip weekends and Turkey public holidays (default: on)
Skip Dates Already Imported	Don't re-fetch dates that already exist (default: on)
Sync to Odoo Currencies	Auto-sync imported dates to Currencies (default: on)

3.6 Run History

Complete **audit trail** of every TCMB update run. Each record includes chatter with detailed result messages.

Key Information:

- Run Date and Type (Scheduled / Manual)
- Result (Success / Skipped / Error)
- Rates Created and Updated counts
- TCMB Rate Date and detailed messages

4. CURRENCIES

Access: **Accounting** → **Configuration** → **Currencies**

Feature	Description
Update from TCMB	Button to fetch and sync today's rates
TCMB Auto	Toggle to include/exclude currency from TCMB sync (default: off)
Last TCMB Sync	Timestamp of last successful update (dd.mm.yyyy HH:mm)

5. SETTINGS

Access: **Accounting** → **Configuration** → **Settings** → **Invoicing section** → **TCMB Currency Rates**

5.1 TCMB Rate for Odoo Sync

Choose which TCMB rate type to use when syncing to Odoo Currencies:

- **Forex Buying**
- **Forex Selling** (default)
- **Banknote Buying**
- **Banknote Selling**

5.2 Retry on Error

Configure automatic retry behavior on fetch failure:

- **Retry count:** Number of retry attempts (default: 3)
- **Retry delay:** Minutes between retries (default: 5)

5.3 Turkey Holiday Skip

When enabled, no TCMB fetch is performed on Turkey public holidays (TCMB closed). Manual and scheduled runs show “*Skipped*” message.

6. SCHEDULED ACTION (CRON)

Automatic daily updates are handled by a scheduled action. Access: **Settings** → **Technical** → **Automation** → **Scheduled Actions**

Default Configuration:

- Name: TCMB: Daily Rate Update (15:30)
- Execution: Every day at 15:45 (possible to change)
- Type: Scheduled (visible in Run History)

i Manual Execution

Open the scheduled action and click **Run Manually**. After running *Fix cron* once, manual runs will appear in Run History.

7. FEATURE SUMMARY

Feature	Description
Daily Update	Fetch today's TCMB rates and sync to enabled currencies
Historical Import	Import date range from 16 Apr 1996 onwards
Sync One Date	Push specific date from TCMB data to Currencies
Run History	Complete audit trail with chatter messages
Per-Currency Control	TCMB Auto toggle for selective sync
Retry Mechanism	Configurable retries with delay on fetch failure
Holiday Skip	Optional skip on Turkey public holidays

8. TYPICAL WORKFLOWS

8.1 First Time Setup

4. Enable TCMB Auto on currencies you need (e.g., USD, EUR)
5. Configure Settings (rate type, retry, holiday skip)
6. Run Update from TCMB once
7. Verify in Run History and Exchange Rates

8.2 Daily Operations

- Scheduled action runs automatically at 15:45
- Or manually via Update from TCMB button
- Check Last TCMB Sync in Currencies list

8.3 Historical Data Import

8. Open Import Historical wizard
9. Set Start Date and End Date
10. Configure skip options
11. Enable Sync to Odoo currencies
12. Click Import and wait for completion

9. TROUBLESHOOTING

✗ No Run History for Manual Cron Run

Solution: Run *Fix cron (log manual runs)* once from TCMB menu (Odoo 18+)

✗ TCMB Cron Not Found

Solution: Ensure scheduled action exists. Check Settings → Technical → Automation

✗ Rates Not Appearing in Currencies

Solution: Enable **TCMB Auto** for that currency. Run Update from TCMB or Sync Date to Odoo.

⚠ Holiday / Skip Message

Explanation: On Turkey public holidays, runs show “Skipped” when Turkey holiday skip is enabled. No fetch is made.

✗ Connection or Timeout Errors

Solution: Check Run History chatter for details. Adjust Retry count and Retry delay in Settings if the problem is temporary.

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