# TeSys Active

## TeSys Tera Motor Management System

## Firmware Release Notes

DOCA0276EN-00
03/2025



# Legal Information

The information provided in this document contains general descriptions, technical characteristics and/or recommendations related to products/solutions.

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# Safety Information

## Important Information

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of this symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

**⚠ DANGER**

**DANGER** indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

**⚠ WARNING**

**WARNING** indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

**⚠ CAUTION**

**CAUTION** indicates a hazardous situation which, if not avoided, **could result** in minor or moderate injury.

***NOTICE***

***NOTICE*** is used to address practices not related to physical injury.

## Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

# About the Book

## Document Scope

This document provides the version history of firmware packages for the TeSys Tera system.

## Validity Note

This document is valid only for the firmware packages with the TeSys Tera system V002.000.000.

## General Cybersecurity Information

In recent years, the growing number of networked machines and production plants has seen a corresponding increase in the potential for cyber threats, such as unauthorized access, data breaches, and operational disruptions. You must, therefore, consider all possible cybersecurity measures to help protect assets and systems against such threats.

To help keep your Schneider Electric products secure and protected, it is in your best interest to implement the cybersecurity best practices as described in the Cybersecurity Best Practices document.

Schneider Electric provides additional information and assistance:

- Subscribe to the Schneider Electric security newsletter.
- Visit the Cybersecurity Support Portal web page to:
  - Find Security Notifications.
  - Report vulnerabilities and incidents.
- Visit the Schneider Electric Cybersecurity and Data Protection Posture web page to:
  - Access the cybersecurity posture.
  - Learn more about cybersecurity in the cybersecurity academy.
  - Explore the cybersecurity services from Schneider Electric.

## Environmental Data

For product compliance and environmental information, refer to the Schneider Electric Environmental Data Program.

## Available Languages of the Document

The document is available in these languages:

- English

# Online Information

The information contained in this document is likely to be updated at any time. Schneider Electric strongly recommends that you have the most recent and up-to-date version available on www.se.com/ww/en/download/.

The technical characteristics of the devices described in the present document also appear online. To access the information online, go to the Schneider Electric home page.

# Related Documents

| Title of documentation | Description | Reference number |
|---|---|---|
| TeSys Tera Motor Management System User Guide | This is the main user guide that introduces the complete TeSys Tera system. It describes the main functions of the LTMT main units, LTMTCT/LTMTCTV sensor modules, LTMT expansion units, and LTMTCUF control operator unit. | DOCA0257EN |
| TeSys Tera Motor Management System Installation Guide | This guide describes the installation, commissioning, and maintenance of the LTMT main units, LTMTCT/ LTMTCTV sensor modules, LTMT expansion units, and LTMTCUF control operator unit. | DOCA0356EN |
| TeSys Tera Motor Management System Modbus RTU Communication Guide | This guide describes the Modbus network protocol communication of the LTMT main unit. | DOCA0355EN |
| TeSys Tera Motor Management System PROFIBUS DP Guide | This guide describes the PROFIBUS DP network protocol communication of the LTMT main unit. | DOCA0256EN |
| TeSys Tera Motor Management System LTMTCUF control operator unit User Guide | This guide describes how to install, configure, and use the LTMTCUF control operator unit. | DOCA0233EN |
| TeSys Tera Motor Management System DTM library Online Help Guide | This guide describes the TeSys Tera DTM library which allows the customization of the control functions of the TeSys Tera Motor Management System. | DOCA0275EN |
| TeSys Tera Motor Management System DTM library Release Note | This document provides important information about the TeSys Tera DTM Library software and provides summary of new features and enhancement. | DOCA0279EN |

You can download these technical publications and other technical information from our website at www.se.com.

# Information on Non-Inclusive or Insensitive Terminology

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# Introduction

## Overview

The TeSys Tera system helps to provide complete protection, control, and monitoring capabilities for single-phase or three-phase AC induction motors. The system is installed in the low voltage switchgear system and connects the higher level automation system through fieldbus network and the motor feeder.

These firmware packages support the following LTMT main units of the TeSys Tera system:

- LTMTMBD (Modbus RTU)
- LTMTMFM (Modbus RTU)
- LTMTPFM (PROFIBUS DP)
- LTMTPBD (PROFIBUS DP)

**NOTE:** Firmware for the LTMTCT/LTMTCTV sensor module and the LTMT expansion units are updated by the respective LTMT main units.

For more information, refer to *TeSys Tera Motor Management System User Guide – DOCA0257EN*

## Release History

The following table provides the version history of the TeSys Tera system firmware packages, with the firmware version included into the package for:

| Firmware version | Date | Components | Availability |
|---|---|---|---|
| TeSysTera_ V002.000.000.sedp | February 2025 | • LTMT main units V002.000.000<br>• LTMTCT/LTMTCTV sensor modules V002.000.000<br>• LTMT expansion units V002.000.000 | Initial release |

## Compatibility

The following table shows the compatibility of configuration or programming softwares with the TeSys Tera system in active releases.

| Configuration or Programming software | | TeSys Tera firmware package version |
|---|---|---|
| TeSys Tera DTM | DTM V2.0.0.0 | TeSysTera_V002.000.000.sedp |

| Configuration or Programming software | | LTMTCUF control operator unit firmware version |
|---|---|---|
| TeSys Programmer Tool | V3.2.000 | LTMTCUF_HW2_V2.000.000_TERA.bin |

| Configuration or Programming software | | Language version |
|---|---|---|
| TeSys Programmer Tool | V3.2.000 | 8075 |

# TeSys Tera Firmware

## Firmware Update Policy

Firmware update is recommended to benefit from the latest features and potential bug fixes. Do not update the firmware to the latest version, if the latest features are not required for your application and no bug fixes are provided.

**NOTE:** Do not update the firmware to the latest version, if the latest features are not required for your application and no bug fixes are provided.

Use this release note to determine whether an update to the latest version of the TeSys Tera firmware is relevant for your application.

## Configuration Software

Use SoMove v2.9.9 with TeSys Tera DTM library v2.0.0 to update the firmware of the TeSys Tera system.

## TeSys Tera Firmware Update

The firmware of the LTMT main unit and the modules connected to it are updated in the same operation.

Use TeSys Tera DTM Library to update the firmware of the TeSys Tera system.

For more information on updating the firmware, refer to *TeSys Tera Motor Management System DTM Library Online Help Guide – DOCA0275EN*

## LTMTCUF Control Operator Unit Firmware Update

The firmware of the LTMTCUF control operator unit can be updated by using the TeSys Programmer Tool. For procedure on how to update the firmware of the LTMTCUF control operator unit, refer to *TeSys Tera Motor Management System LTMTCUF Control Operator Unit User Guide – DOCA0233EN*

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