

PRODUCT CONFORMITY CERTIFICATE

This is to certify that the

Emidate Software

Manufactured by:

Siemens Energy Austria GmbH

Siemensstraße 90
1210 Vienna
Austria

has been assessed by CSA Group
and for the conditions stated on this certificate complies with:

**MCERTS Performance Standards and Test procedures for
Environmental Data Management Software, Version 4, December 2017**

in respect of:

Part A – Generic Software Quality
Part B – Data Management Application Standard
Part C1 – CEMS Data management applications – Generic Requirements
Part C2 – CEMS Data Management Applications – EN14181 Requirements

Project No.: 80160176
Certificate No: CSA MC180329/01
Initial Certification: 28 February 2018
This Certificate issued: 29 March 2023
Renewal Date: 27 February 2028



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The MCERTS certificate consists of this document in its entirety.

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Approved Site Application

Any potential user of the certified software should:

- 1) Ensure that it is suitable for the platform on which it will be installed (if necessary, in consultation with the software producer)
- 2) Ensure that the selection and operation of the software is appropriate to the application

Basis of Certification

This certification is based on the following audit report(s) and on CSA Group’s assessment and ongoing surveillance of the product and the manufacturing process:

- 182_v2_Siemens_MCERTS_v3_Emidate_6_5_Final-Assessment_Report dated 3rd January 2018.
- CSA Group, MCERTS Surveillance Report, R80160176, dated 13 March 2023

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Product Certified

The following table lists the programs that comprise the “Emidate Software” product.

Name	Filename	Location (Server/Client)	Description	Version 07 Nov 2017	Version 12 Sep 2022
EmidateCC	EmidateCC.exe	Client	Online Visualisation and viewing historical data	6.5.0.0	6.5.10.0
Diagnostic Service	EmiDiagnosticService.exe	Server	Diagnostic and licensing service	6.5.0.0	6.5.8.0
Export Service	EmiExportService.exe	Server	Cyclic data export	6.5.0.0	6.5.10.0
Messages	EmiMessages.exe	Client	Display actual and historical messages	6.5.0.0	6.5.10.0
Data acquisition service	EmiMessSrv.exe	Server	Main service	6.5.0.0	6.5.10.0
Parameter	EmiParameter.exe	Client	Central parameterization tool	6.5.0.0	6.5.23.0
Report	EmiProtocol.exe	Server and Client	Report generator	6.5.0.0	6.5.22.0
EN14181 QAL3	EmiQal3.exe	Server and Client	Tool for processing QAL3 according to EN14181	6.5.0.0	6.5.8.0
Rawdata viewer	EmiRawDataViewer.exe	Server	Viewing input raw data	6.5.0.0	6.5.5.0
SystemCheck	EmiSystemCheck.exe	Client	Viewing global status of Emidate system	6.5.0.0	6.5.7.0
ToolBox	EmiToolBox.exe	Client	Tool collection for commissioning	6.5.0.0	6.5.8.0
UpdateLoader	EmiUpdateLoader.exe	Server and Client	Loads the newest Emidate versions from the server	6.5.0.0	6.5.1.0
Watchdog	EmiWatchdog.exe	Server	Checks the status of Data acquisition service	6.5.0.0	6.5.4.0
Support components	Siemens.Support.dll	Server and Client	Holds general functions like login and logging	6.5.0.0	6.5.27.0

Late minor changes to the certified version are permitted in accordance with the conditions of the standard.

Software Modifications

In the event of a major release the developer shall provide brief supporting evidence to the Certification Body who will advise whether recertification is necessary.

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Certified Performance

The application is able to perform the following tasks:

- Acquisition and validation of real time data via Profibus and/or Ethernet
- Full compensation for pressure, temperature, moisture, and oxygen
- Standardization and calculation of values (concentration, mass, ...)
- Calculation of limit values for single-, multi- or mixed fuel operation
- Generation of predefined an individual reports automatic and on demand
- Online visualization and access to historical data in table or line chart
- Automatic or manual reporting of analyser quality assurance according to EN14181 QAL3

The documents listed in the following table contain evidence that Emidate Software product complies with the MCERTS standard. The version numbers are included so that any changes to this baseline can be identified during the next recertification audit which would be expected before February 2028.

Software Life Cycle Phase	Siemens Document/file	Version 2017	Version 2023
Project Planning	SQP	2.0	4.3
Software procedures	SQP	2.0	4.3
Software standards and guidelines	SQP	2.0	4.3
	Siemens Mainline Portal	N/A.	
Coding standards	SQP	2.0	4.4
Requirements/Manuals	Önorm M 9412	2014	2014
	Siemens.EMIDATE.AdministratormanualV60.doc	1.6	---
	Emidate Admin EN.pdf" Version: 2.4	---	2.4
	EmidateV6_System_eng.doc	1.2	---
	Emidate System en.pdf	---	2.0
	Emidate Events EN.pdf	---	2.0
	Emidate QAL3 EN.pdf	---	1.9
	Emidate ExportService.pdf	---	2.2
Design specification	EmiMessSrcv.doc	1.2	1.2
	ExportService_Beschreibung.doc	1.0	1.0
	Guideline_S7_PB_d.pdf	1.0	1.0
	S7 1200 Telegramme.xlsx	1.1	1.1
Source code	GiT/Bonobo software configuration management database	6.5	---
	Git/GitLab software configuration management database	---	6.5
Unit test specification	SQP	2.0	4.3
Software builds	EMINAS (storage location of all builds)	all	all
Acceptance test specification	Önorm M 9412 (Austrian standard)	2014	2014
	Nine Test reports (per component, stored in Sharepoint Test reports/Templates)	N/A	N/A
User manual	Siemens.EMIDATE.UserManual.EN.doc	1.3	---
	Emidate User EN.pdf	---	2.1
Delivery	ReleaseNotes.txt (in program folder)	6.5	6.5 (see versions in the table below)

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Description

Siemens Emidate is a data acquisition and handling system (DAHS) with Client/Server architecture. The highlights of Emidate are:

- Compliance with European LCPD and WID
- Export of raw data
- OS independent user management
- Online parameterization
- Structured license model from small to huge plants
- Floating client license (concurrent use)
- Multilingual user interface
- 6 free definable acquisition cycles (minute, half hourly, hourly, ...)
- Up to 13 free definable compression cycles for rolling and block averages (daily, monthly, ...)
- Automatic data export to Internet/Intranet
- All defined reports may be set via eMail, sent via ftp, saved as pdf or printed out

General Notes

1. This certificate is based upon the equipment tested. The Manufacturer is responsible for ensuring that on-going production complies with the standard(s) and performance criteria defined in this certificate. The manufacturer is required to maintain an approved quality management system controlling the manufacture of the certified product. Both the product and the quality management system shall be subject to regular surveillance according to 'Regulations Applicable to the Holders of CSA Group Testing UK Ltd Certificates'.
2. The design of the product certified is defined in the CSA Group report, ref. R80160176, for certificate no. CSA MC180329/01.
3. If a certified product is found not to comply, CSA Group should be notified immediately at the address shown on this certificate.
4. The certification marks that can be applied to the product or used in publicity material are defined in 'Regulations Applicable to the Holders of CSA Group Testing UK Ltd Certificates'.
5. This document remains the property of CSA Group and shall be returned when requested by CSA Group.

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