

PRODUCT CONFORMITY CERTIFICATE

This is to certify that the

WEX Data Acquisition and Handling Software

Produced by:

ENVEA

Data Management Solutions

Technopole Izarbel
230 Allée Théodore Monod
64210 - Bidart – France

has been assessed by Sira Certification Service
and for the conditions stated on this certificate complies with:

**MCERTS Quality and Performance Standards for
Environmental Data Management Software
Version 4, dated December 2017**

In respect of:

Part A - Generic Software Quality
Part B - Data Management General Aspects
Part C1 – CEMS data management applications – Generic Requirements
Part C2 - CEMS Data Management Applications - EN14181 Requirements

Project No.: 80028599
Certificate No: Sira MC150271/02
Initial Certification: 16 January 2015
This Certificate issued: 27 January 2021
Renewal Date: 15 January 2025



Andrew Young
Environmental Team Manager

MCERTS is operated on behalf of the Environment Agency by

Sira Certification Service

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 sira
CERTIFICATION

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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

For general guidance on monitoring techniques refer to the Environment Agency Monitoring Technical Guidance Notes available at www.mcerts.net

Basis of Certification

This certification is based on the following Test Report(s) and on Sira’s assessment and ongoing surveillance of the product and the manufacturing process:

- Report ref: 70013104 v1.0 iséo - Environnement-SA WEX Acquisition and Handling Software MCERTS Assessment Report, dated 2nd December 2014
- Report ref: 80028599 ENVEA Data Management Solutions MCERTS Surveillance Audit Report, dated 19th December 2019

Product Certified

Product	Version	Remarks
WEX Data Acquisition and Handling Software	6.3 onwards	Later minor changes to the certified version are permitted in accordance with the conditions of the standard.
WEX Data Acquisition and Handling Software – Windows	6.5 onwards	Later minor changes to the certified version are permitted in accordance with the conditions of the standard.
WEX Data Acquisition and Handling Software – Linux	6.5 onwards	Later 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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Scope of the Certified System

The certified software, WEX 6.5, includes the following modules and components:

Capability	Detail
SAM & eSAM	Data acquisition from analysers, ADAM, Kermit, Modbus, OPC, PLCs
SRV	Common server software
QAL2	AMS validation (AST, QAL2)
QAL3	Automatic calibration control of AMS
RPT	Report and calculation engine: WID, LCPD, etc.
VAL	Data assessment/validation
ADVAL	Automatic Data Validation
SPC	Statistical Process Control, Control charts CUSUM, EWMA, Shewhart, etc.
REG	Regulatory control
WKS & eWKS	Local and remote WorkStation
SPV	Real-time Supervision
RED	Redundancy management

Certified Performance

The WEX application is able to perform the following tasks:

- Averages of 1, 5, 10, 15, 30 and 60 minutes periods, X hours, daily, monthly and yearly aggregations,
- Raw data correction to standard reference,
- Reporting capabilities for WID, LCPD, etc.,
- Customisable reports, programmable automatic outputs to various formats (HTML, PDF, etc.) and destinations (printer, mail, file sharing, etc.),
- QAL2 and automatic/manual QAL3 management including control charts and other SPC (statistical process control) techniques,
- Communication with PLCs (Programmable Logic Controllers) using Modbus, OPC, etc.,
- Regulatory control of emission limit values, unavailability, trends,
- Overview display with real-time trends, gauges, data grids, digital status indicators and alarms.

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Description

WEX collects and processes environmental data for display, management and reporting purposes and has been designed to meet the requirements of EN14181 and MCERTS certified Environmental Data Management Software requirements for Environmental and Continuous Emissions Monitoring reporting systems. WEX fulfils the Industrial Emissions Directive 2010/75/EU and is prepared to meet the requirements of the standard EN 17255 and the upcoming French national regulatory guides (FNADE, FEDENE & GIMELEC).

WEX has been developed from ENVEA XR software. The XR software addresses the needs of Ambient Air Quality Monitoring Networks (AQMN). The main functions include monitoring network configuration (sites and devices), technical management (data acquisition, calibration check, validation, etc.) and data processing (data display and reporting).

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 Sira Certificates'.
2. The design of the product certified is defined in the Sira Design Schedule V00 for certificate No. Sira MC150271/01
3. If certified product is found not to comply, Sira Certification Service 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 Sira Certificates'.
5. This document remains the property of Sira and shall be returned when requested by the company.

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