



Policy on Accreditation of Testing Laboratories Performing Performance Tests for Wi-SUN* Telecommunications Device

VLAC-VR102-3 :2025



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Voluntary EMC laboratory Accreditation Center Inc.
7F NOA Bldg., 2-3-5 Azabudai, Minato-ku, Tokyo 106-0041

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1. Scope

This document applies to the accreditation of Wi-Sun approved testing laboratories who conducts Wi-SUN products certification tests. (hereinafter referred to as Wi-SUN Approved Testing Laboratories) VLAC assesses the management systems and competence of Wi-Sun Approved Testing laboratories based on ISO/IEC 17025 and VLAC accreditation rules. (https://www.vlac.co.jp/doc/index_kikaku/)

Note that VLAC accreditation is a voluntary activity, and VLAC accreditation does not replace, in whole or in part, Wi-SUN Alliance Laboratory Approval.

2. Assessment of Wi-SUN Approved Testing Laboratories

Laboratories applying for accreditation shall meet the following requirements in addition to the requirements of ISO/IEC 17025 and VLAC rules).

- (1) Testing laboratories shall be Approved by the Wi-SUN Alliance. (Meets (2) to (5) below)
- (2) Test equipment (including testing computer software) shall comply with the latest valid standards.
- (3) Laboratories can always refer to the latest effective version of the rules and standards published by the Wi-SUN Alliance (and the external standards referenced by these regulations and standards).
- (4) Testing personnel have evaluated their competence from the Wi-SUN Alliance.
- (5) Other requirements specified by the Wi-SUN Alliance (participation in proficiency tests and inter-laboratory comparisons, test report formats, etc.) are met.

3. Scope of accreditation

The technical standards in VLAC accreditation scope are as follows. The version adopted by the Wi-Sun alliance is the valid version.

- (1) IEEE 802.15.4、 IEEE 802.15.4e、 IEEE 802.15.4g
- (2) Wi-SUN PHY Conformance Test Suite Specification
- (3) Wi-SUN PHY Conformance Test Suite Procedures Specification
- (4) Wi-SUN PHY Interoperability Test Specification
- (5) Wi-SUN MAC Conformance Test Suite Specification for ECHONET Lite
- (6) Wi-SUN ECHONET Profile Interface Conformance Test Suite Specification
- (7) Wi-SUN Interoperability Test Specification for ECHONET Lite
- (8) Wi-SUN ECONET Profile MAC Conformance Test Suite Specification - Amendment on Single-Hop HAN
- (9) Wi-SUN ECONET Profile MAC Conformance Test Suite Specification – Amendment for Extended HAN
- (10) Wi-SUN ECONET Profile Interface Conformance Test Suite Specification - Amendment on Single-Hop HAN
- (11) Wi-SUN ECONET Profile Interface Conformance Test Suite Specification Supplement 2: HAN Extension stage 2
- (12) Wi-SUN ECONET Profile Interoperability test specification - Amendment on Single-Hop HAN

- (13) Wi-SUN interoperability test specification for ECHONET Lite Supplement 2: HAN extension stage2
- (14) Wi-SUN JUTA Profile MAC Conformance Test Suite Specification
- (15) Wi-SUN JUTA Profile MAC Interoperability Test Suite Specification
- (16) Wi-SUN Field Area Network (FAN) Conformance Test Suite Specification

4. Withdrawal of accreditation

Testing laboratory must promptly contact VLAC in the following cases:

- (1) If Wi-SUN Alliance revokes Wi-SUN Approved Testing Laboratories.
- (2) If Testing laboratory voluntarily requests withdrawal of accreditation.
- (3) If Testing laboratory can no longer meet the requirements for accreditation.

----- End of Document -----

Revision history

VR102-3:2025

Added Section 4 Withdrawal of accreditation.

VR102-3:2024

The content of the previous edition has been revised to be more concise. Section 1 mainly replaced the explanation of Wi-SUN Alliance with the relevant URL citation, and the descriptions in the old sections 2 and 3 were consolidated into the new section 2. New Section 3 increases the number of test standards listed, and changes the standard version number to ``the version adopted by the Wi-Sun alliance is the valid version."`

VR102-3:2021

2021.03.05 Overall revision in Clauses 1, 2 and 3

VR102-3:2015

2015.09.01 Newly issued.