



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

VLAC-VR102-3 :2021

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Day of issue: March 5, 2021

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## 1. Scope

This document describes policies for evaluating the management systems and technical capabilities of Wi-SUN Alliance-approved laboratories.

The documents published by Wi-SUN Alliance includes following standards;

- (1) Performance test for radio communications such as specified radio law. (RF Test)
- (2) Conformity tests according to Wi-SUN standards (Conformance Test) and,
- (3) Equipment interoperability verification between different manufacturers (Interoperability Test)

Note that VLAC Accreditation is a voluntary activity and is unrelated to Wi-SUN Alliance laboratory approval. VLAC laboratory accreditation does not replace Wi-SUN Alliance approval in whole or in part.

## 2. Conditions for laboratories to be accredited

Laboratories applying for accreditation shall meet the following requirements in addition to the requirements of ISO/IEC 17025 and VLAC-VR100A.

- (1) The testing laboratory is Wi-SUN Alliance-approved. (Meets (2) to (5) below)
- (2) Test equipment, computer software and related test equipment are Wi-SUN Alliance approved and 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) Test personnel have received technical training from the Wi-SUN Alliance in accordance with Wi-SUN Alliance requirements and their competence have been verified.
- (5) Other requirements specified by the Wi-SUN Alliance (participation in proficiency tests and inter-laboratory comparisons, test report formats, etc.) are met.

## 3. Laboratory Assessment

Since this document applies to test laboratories that have already obtained Wi-SUN Alliance approval, the same assessment as the Wi-SUN Alliance assessment will not be conducted.

The following two points are to be confirmed in the VLAC assessment.

- Compliance with the requirements of ISO/IEC 17025.
- Records that serve as evidence that the Wi-SUN Alliance has granted (renewed) and approved the laboratory. This includes documentation submitted by the laboratory to the Wi-SUN Alliance and laboratory documentation confirmed by the Wi-SUN Alliance.



#### 4. Scope of accreditation

Among the Wi-SUN standards, the testing in VLAC accreditation scope is as follows. When newer editions are published and become effective, those editions shall be substituted the latest valid version.

- (1) IEEE 802.15.4-2011、 IEEE 802.15.4e-2012、 IEEE 802.15.4g-2012
- (2) Wi-SUN IEEE 802.15.4g 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

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