

TCG Certification Program

TNC Certification Program Suite

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Table of Contents

1	Introduction	5
2	Certification Principles	6
2.1	Product Definition and Certification Requirements	6
2.2	Revision of Compliance Requirements	6
3	Fees	7
4	Availability of Supporting Materials	8
5	Evidence	9
5.1	Compliance	9
5.1.1	Compliance Test Suite logs	9
5.1.2	Dispute resolution	9
5.2	Interoperability Performance	9
6	How to apply	10

1 Introduction

This document describes the TCG Certification Program for products that implement one or more of the following TNC specifications: IF-IMC Version 1.1 Revision 5, IF-IMV Version 1.1 Revision 5, IF-PEP for RADIUS Version 1.0 Revision 2, IF-MAP Version 2.0 Revision 46, and IF-MAP Metadata for Network Security 1.0 Revision 25.

The TNC Certification Program is required to comply with TCG's certification requirements, stated in the document "TCG Certification Framework revision 0.9".

In the context of this document, the term "Sponsor" means an entity that submits a given product for TNC Certification.

The TNC Certification Program is comprised of two components: a Compliance component and an Interoperability component. A Sponsor must demonstrate adherence to both the defined Compliance component and the Interoperability component in order to meet the requirement for certification.

A self-testing approach is used to verify compliance with the requirements stated in the specifications for IF-IMV, IF-IMC, IF-PEP, IF-MAP, and IF-MAP Metadata for Network Security. TCG provides automated test suites for verifying compliance. Sponsors run these test suites against their products, submitting the results of the tests to TCG as proof of meeting the Compliance requirements for certification.

Interoperability is proven at a TNC Plugfest event. These events are held up to two times per year and are coordinated by the Compliance TNC Sub Group. They are funded by the attendees. As described in the Interoperability Test Plans for IF-IMC, IF-IMV, IF-PEP, IF-MAP, and IF-MAP Metadata for Network Security, a product brought to a particular TNC Plugfest event must successfully complete all required interoperability tests with all other implementations present at this Plugfest and expected to interoperate with the implementation.

Before bringing an implementation to a TNC Plugfest, the sponsor is required to run the automated compliance tests relevant to the interfaces for which interoperability is to be tested against that implementation. The sponsor must document which components of their implementation pass and which do not, and that information must be shared with the other participants in the Plugfest. Sponsors may bring components that do not pass the automated compliance test to the Plugfest; however such "experimental components" cannot be certified based on any testing done at the Plugfest. There is no requirement for other participants to test against experimental components, although such testing may be done at the discretion of the participant.

2 Certification Principles

TCG Administration will maintain a simple list of TNC products that have paid the certification fee and have successfully completed both the Compliance and Interoperability portions of certification as specified in this document.

Vendor products that successfully meet the requirements of this certification program will be awarded recognition and be listed on the TNC Certified Product List on the TCG website.

2.1 Product Definition and Certification Requirements

TCG will keep a list of active TNC certification programs: IF-PEP for RADIUS 1.0, IF-IMC 1.1, etc. When a TNC specification becomes old and obsolete, it will be removed from the list of active TNC certification programs by a vote of the CPC, based on a recommendation from the CTNC-SG or TNC-WG. There may be times when multiple versions of a particular specification have an active TNC certification program, e.g. during a transitional period. New certification applications will only be accepted for programs that are on the list of active TNC certification programs at the time of application.

For each active TNC certification program, a current Compliance Test Suite version will be listed. When a Compliance Test Suite is revised, the current version number for that Compliance Test Suite will be updated on the list. Sponsors must use the Compliance Test Suite version that is current for the relevant program at the time of application.

Once issued, a certification will remain valid indefinitely, even if the test suite for that program is revised after the certification was issued. However, a warning may be posted on the TCG web site if a bad bug in a particular version of a test suite calls into question the validity of results from that version.

2.2 Revision of Compliance Requirements

There are three cases under which TCG may upgrade a TNC Compliance Test Suite:

1. To address a coverage issue with the Compliance Test Suite,
2. To address an implementation issue with the Compliance Test Suite,
3. To address a minor specification update.

Certification applicants that discover issues with a TNC Compliance Test Suite may document them in the appropriate issue reporting form and send it by email to certification@trustedcomputinggroup.org.

3 Fees

Application for TNC certification will cost \$5,000 per interface tested, with a maximum of \$10,000 per product per year (starting with the date of payment). This fee covers the filing and processing of evidence of Interoperability and compliance with the TCG.

Additionally, vendors will be responsible for the cost of participating at the TNC Plugfest Events coordinated by the Compliance TNC Subgroup. This cost will vary by event.

4 Availability of Supporting Materials

The compliance test suites and associated test plan are available to TCG members at https://members.trustedcomputinggroup.org/kws/member_resources/tnccertificationprogram/.

5 Evidence

Each product's sponsor must maintain any material necessary (i.e., resulting test logs, etc.) to demonstrate that their product meets this Certification Program's requirements. Each sponsor must provide those materials to interested parties upon request. The sponsor must retain logs for each previously certified product.

5.1 Compliance

Each product's Sponsor shall execute the Compliance test suite(s) described below and maintain logs produced by the test suites. The Sponsor shall not claim successful completion of the Compliance portion of this Certification unless the Compliance test suite indicates a "pass" status.

5.1.1 Compliance Test Suite logs

The Compliance test Suite produces a log comprising descriptive information gathered automatically by the test suite, descriptive information entered by a person during execution of the compliance test suite, plus test results. The log forms part of the certification evidence that must be provided to TCG. The test suites' results are summarized in a human readable format at the start of the log.

5.1.2 Dispute resolution

In the event a target product does not pass the Compliance Test Suite, the product's Sponsor may claim their implementation is a reasonable interpretation of the specification. The product's Sponsor must prepare a request for a Waiver which must be submitted to and evaluated by the Certification Program Committee (CPC).

A waiver must satisfy the following criteria:

1. Does not expose any secrets
2. Does not present a security issue
3. Does not present a compatibility issue

The product's Sponsor must submit a request to the CPC, to be considered for approval. A waiver may lead to a change in the specification.

If the product's Sponsor believes the Compliance test failure is the result of an implementation issue with the Compliance Test Suite, the Sponsor must submit a proposal to the Certification Program Committee with their analysis and recommendation for a change.

If a Compliance test failure is deemed by the CPC to be an error in the implementation of a product, the corresponding request for waiver will be rejected and the product will not be recognized as compliant.

5.2 Interoperability Performance

Interoperability Performance is tested at the TNC Plugfest events. These events are held up to two times per year and are coordinated by the Compliance TNC Sub Group and are funded by the attendees. Results, including pass and fail from the TNC Plugfest events are collected by a neutral third party and reported to the Certification Program Manager (CPM). The CPM will hold all results in anticipation of certification applications. For information specific to the testing and data collection that occurs at the Plugfest please review the Compliance TNC Interoperability Test Plan. For dates and registration information for upcoming approved TNC Plugfest events please visit www.trustedcomputinggroup.org/certification

6 How to apply

In order to submit a product to this TNC Certification Program, please contact certification@trustedcomputinggroup.org.