Wi-Fi CERTIFIED™
Derivative Certifications Overview

November 2020

Derivative Certification (1 of 2)

- New product certifications can be attained in two ways:
  1. Testing at an Authorized Test Laboratory (ATL) or,
  2. Leveraging test results of an existing Wi-Fi CERTIFIED™ solution via the Derivative Certifications Policy

- Benefits of applying for a Derivative Certification:
  - A Derivative Certification is a cost-effective way to utilize test results of a Wi-Fi CERTIFIED Source Product that has undergone ATL testing and Wi-Fi certification
  - Since the Derivative Product uses an identical Wi-Fi implementation as the Source Product, it does not need to be submitted to an ATL for retesting
  - Multiple Derivative Certifications can be created from the same Source Product

- High-level requirements:
  - The new product must have the same chipset, OS, and firmware as tested in the Wi-Fi CERTIFIED Source Product
  - The new product must operate in the same manner as the Wi-Fi CERTIFIED Source Product
  - Any changes in the new product MUST NOT affect the wireless functionality

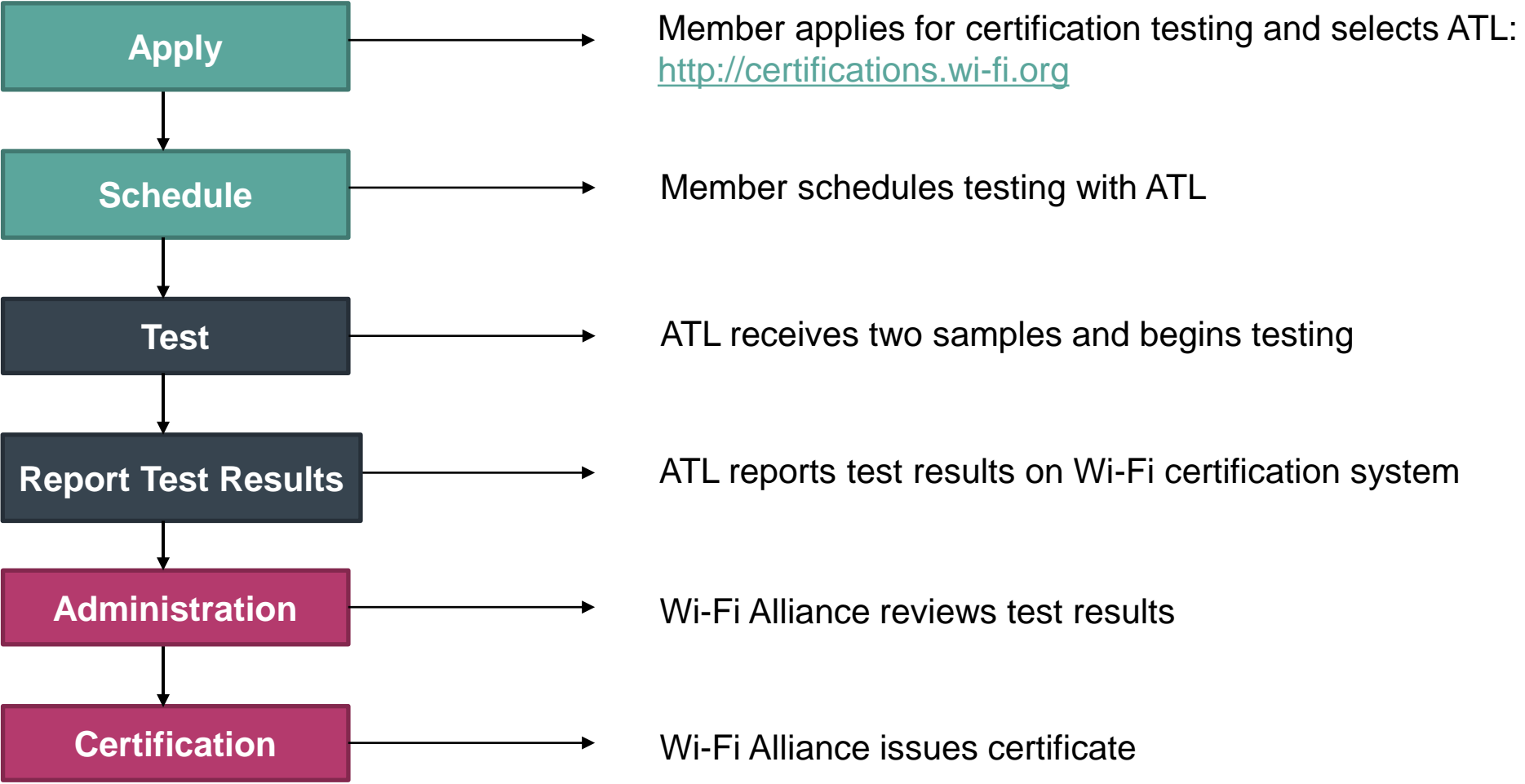| Component	ATL Testing Interoperability	Derivative Application
Applications	Modifiable	Not Modifiable
OS	Modifiable	Not Modifiable
Driver	Modifiable	Not Modifiable
Physical Interface	Modifiable	Not Modifiable
Firmware	Modifiable	Not Modifiable
Chip	Modifiable	Not Modifiable
RF Architecture	Modifiable	Not Modifiable
RF Components	Modifiable	Not Modifiable
Antenna	Modifiable	Not Modifiable
Other Product Characteristics	Out of Scope	Out of Scope

Derivative Certification (2 of 2)

- Wi-Fi Alliance® members may apply for product certifications

- Certifications from a Wi-Fi CERTIFIED Source Product (ATL tested) can be duplicated for a new product without additional testing
  - If the new product is from a different company, both companies must be Wi-Fi Alliance members
  - Intended for re-branded products; suitable for cosmetic changes (e.g changes to GUI) or changes to non-wireless functionality
  - Also applies to a certified wireless module (e.g. an internal network card) that requires a host system to be tested
  - Each Derivative Product receives a separate product certification record (CID)

- No limit to the number of Derivative Certifications from a single certified Source Product

- The Wi-Fi Alliance certification fee to create each Derivative Certification is:
  - $600 for Sponsor, Contributor, Small Business Introductory Participant, and Affiliate members
  - $4000 for Implementer and Small Business Introductory Implementer members

- A Derivative Certification can not be designated as a source, and as a result, a Derivative Certification can not be used to create another derivative

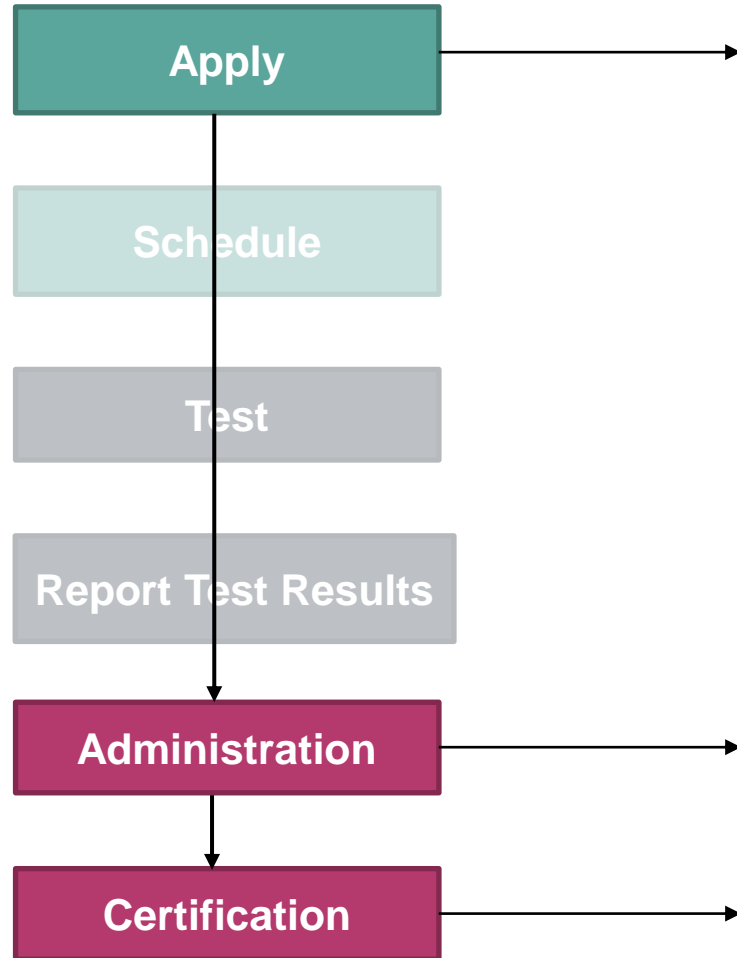- Does not apply to Converged Wireless Group – RF certifications

Process comparison for ATL vs. Derivative Certifications

ATL (tested) certification process

Apply → Member applies for certification testing and selects ATL: http://certifications.wi-fi.org

Schedule → Member schedules testing with ATL

Test → ATL receives two samples and begins testing

Report Test Results → ATL reports test results on Wi-Fi certification system

Administration → Wi-Fi Alliance reviews test results

Certification → Wi-Fi Alliance issues certificate

Derivative Certification process

Apply

Schedule

Test

Report Test Results

Administration

Certification

Member applies: http://certifications.wi-fi.org
- Describe the differences from the source product
- Complete application for each new product (as defined by model number)

Wi-Fi Alliance reviews application. Allow 2 business days.

Wi-Fi Alliance issues certificate

Examples of Derivative Certifications
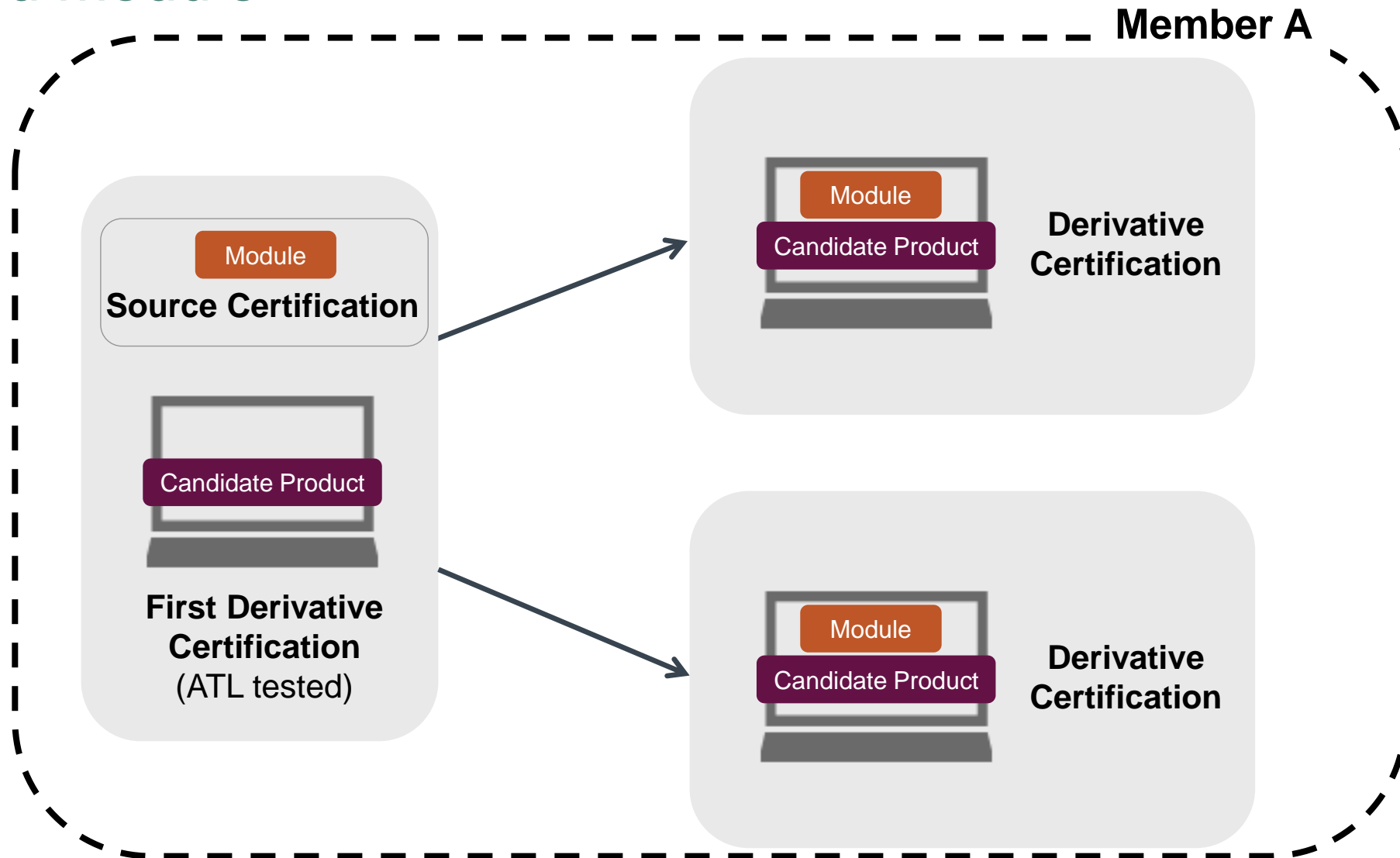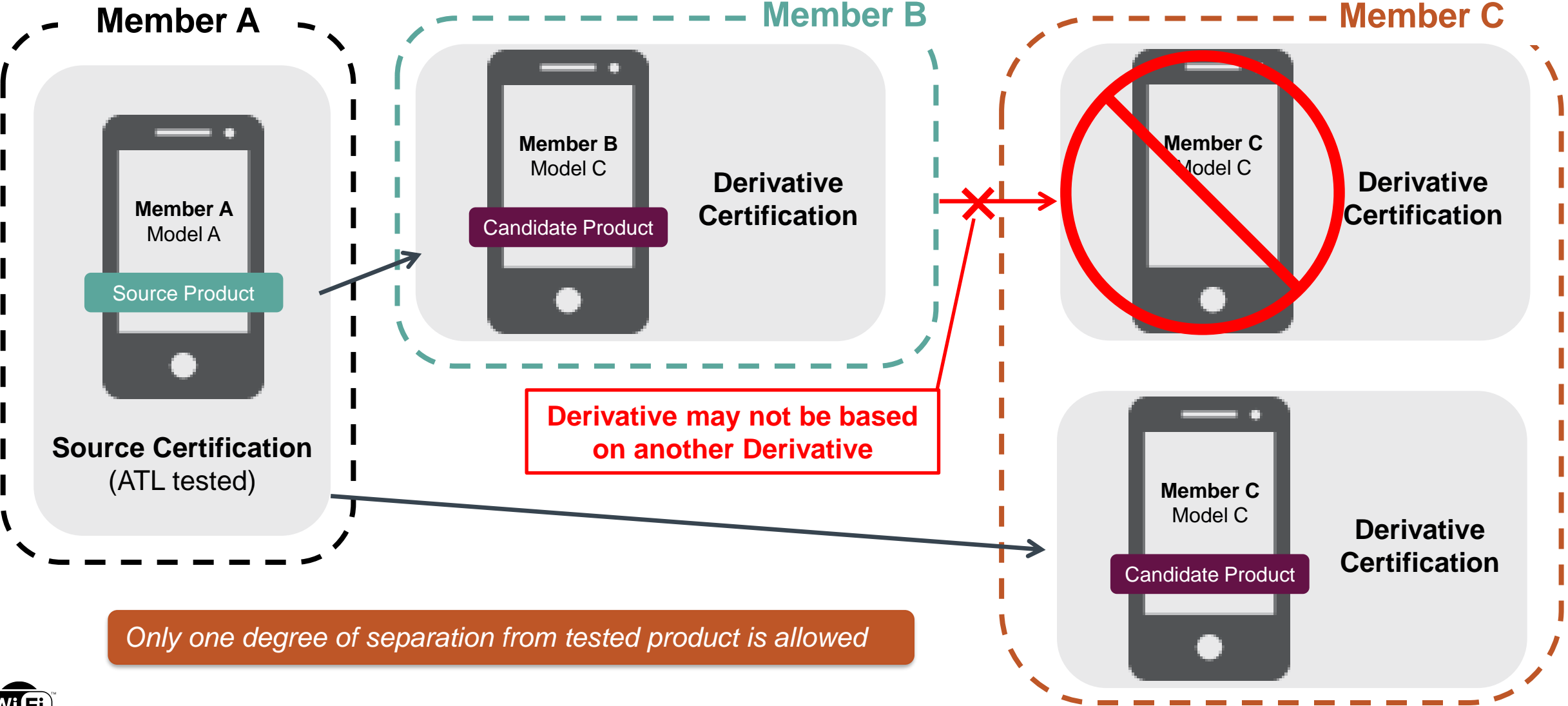
Derivative Certifications within the same member
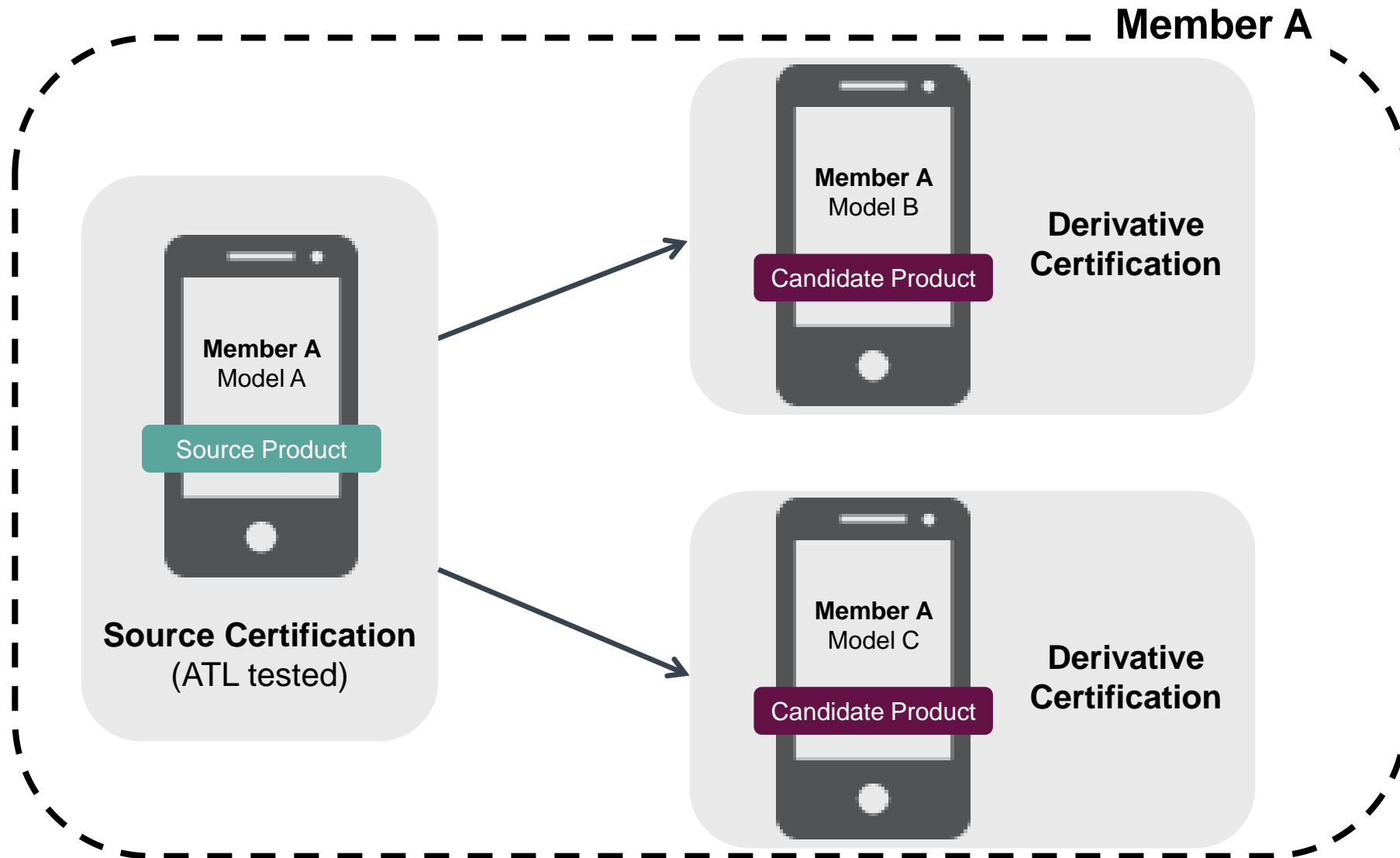
Derivative Certifications between members

Member A

Member A
Model A

Source Product

Source Certification
(ATL tested)

Member B

Member B
Model B

Candidate Product

Derivative Certification

Member C

Member C
Model C

Candidate Product

Derivative Certification
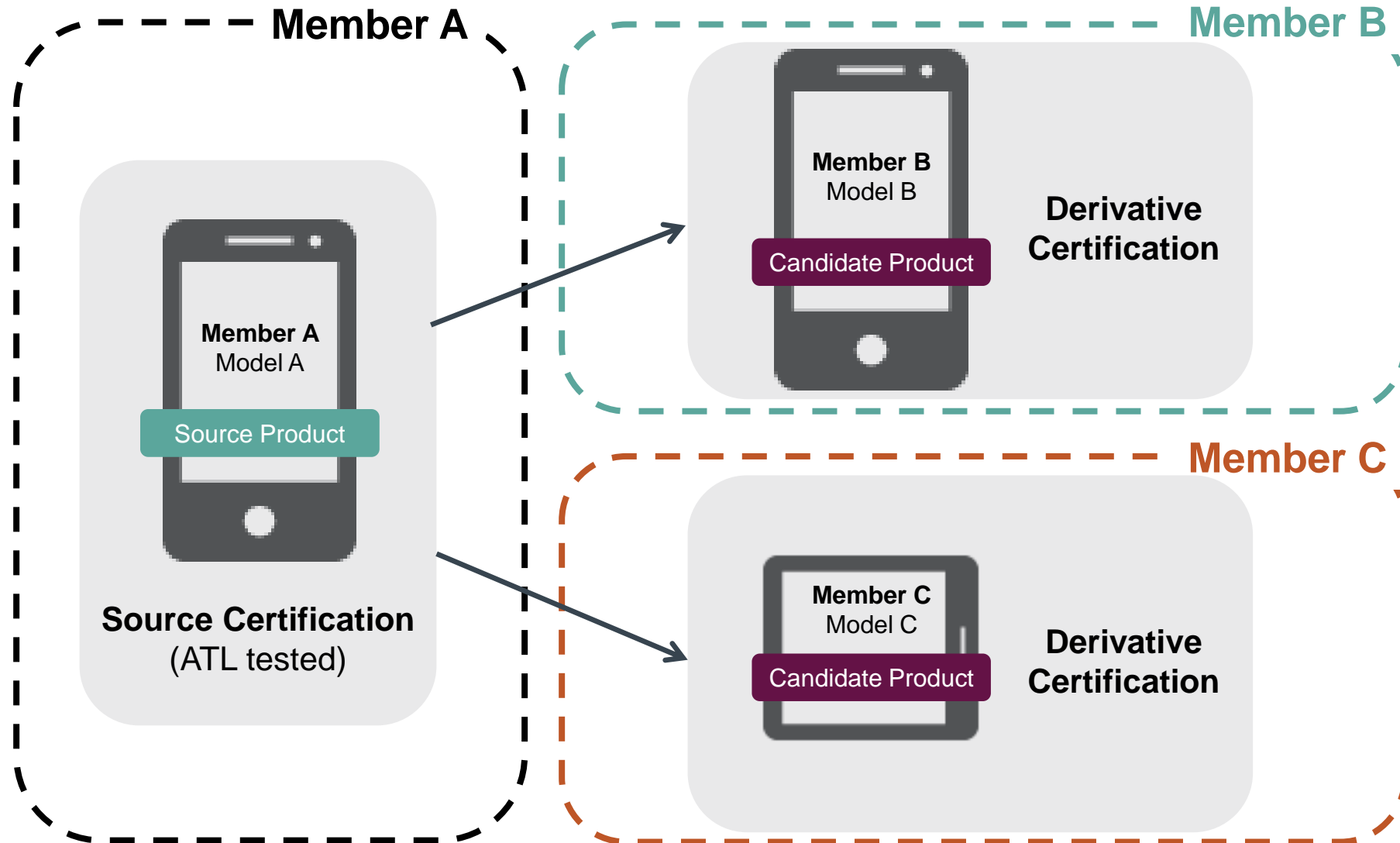
Derivative Certifications from a Source Certification of an embedded module

Member A

Module
Source Certification

Candidate Product
First Derivative Certification
(ATL tested)

Module
Candidate Product
Derivative Certification

Module
Candidate Product
Derivative Certification

Examples of prohibited Derivative Certifications

A Derivative Certification can not be used to create another Derivative Certification

Member A

Member A
Model A

Source Product

Source Certification
(ATL tested)

Member B

Member B
Model C

Candidate Product

Derivative Certification

Derivative may not be based on another Derivative

Member C

Member C
Model C

Derivative Certification

Member C
Model C

Candidate Product

Derivative Certification

Only one degree of separation from tested product is allowed

Step-by-step instructions to apply for a Derivative Certification

Submitting a Derivative Certification

- Access the [Wi-Fi Alliance Certification System](#)

- Select "New Application"

- Derivative certification type is preselected

- Select the Source Company, Target Company (if applicable), Product CID, and variant of the source product or module

- Step 1 : Fill in all mandatory fields marked with a red asterisk

- Step 2 : Select your payment option and submit
  - Email notifications will be sent to the submitter upon submission of the application and approval of the request. If the application requires further information, it may be returned with instructions for the re-submission.
  - Invoices are issued on the 15th and the end of each month

- For additional assistance, please contact support@wi-fi.org

Derivative application

Cancel

New Application

Next

Step 0. Application Options

Choose a product options

| I am certifying a product for my company | ⌄ |

Additional Company contact

| Email address |

Please select the certification type

○ New Product - choose this option if you want to certify a new product. You will need to send your product to an authorized test lab for testing.

○ A Variant of Existing Product - choose this option if you would like to make changes to an existing certified product.

● A Derivative of Existing Product - choose this option if you want to certify a product based on an existing certified product source.

| Calavista Member | ✕ ⌄ |

| WFA100032 - Demo Product - 2020 | ✕ ⌄ |

| 01 | ✕ ⌄ |

Cancel

Next

Derivative
After selecting the **New Application** button you are brought to the Application Options screen.

Select the third choice: **A Derivative of Existing Product.** This will allow you to select the Product that you want to create a new Variant from.

Select the owning company of the source product, the product, and the variant to begin the derivative application.

Once all mandatory fields are complete, you can go to the next step by selecting the **Next** button at the bottom of the page.

Derivative application – Step 1 of 2

Product Information
To begin the derivative application, you will need to first fill in the Product Information.

Each field marked with a red asterisk (*) is mandatory and must be completed.

Each field marked with the Globe icon will be visible to the public in Product Finder

Notice that the complete listing of certifications will already be present in the **Summary** pane on the right side of the screen.

Derivative application – Step 1 of 2

Product Image 🌐

Supporting Documents

📎

📎

Wi-Fi Components

Role: Access Point

Wireless Chipset

Jen Beta Chipset

Wi-Fi Component Firmware Version 🌐

1020-2020

rfArchitecture 🌐

Bands Supported	Transmit (Tx)	Receive (Rx)
2.4 GHz	2	2
5 GHz	4	4

Wi-Fi Component Operating System 🌐

windows 12

Physical Interface

Silicon

rfComponents

Demo RF Components

Antenna

Demo Antenna 1020

Driver

Jen Beta Driver

Back to List

* Required Fields

Next

Product Information – part 2
You may review the Wi-Fi Components at the bottom of the screen that have been pre-populated based on the source product selected.

As a derivative, none of the information in the Wi-Fi Components section may be changed.

Once all mandatory fields are complete, you can go to the next step by selecting the **Next** button at the bottom of the page.

Derivative application – Step 2 of 2

Submit
If your company requires a PO, you may add that information to the application here.

Use the **Summary** pane to review your application selections.

Make sure to select the two checkboxes affirming you agree to the Certification Terms and Conditions, as well as the Certification Mark License Agreement.

Once all mandatory fields are complete, you send the application to Wi-Fi Alliance to review by clicking the **Submit** button at the bottom of the page.