



Continua[®]
HEALTH ALLIANCE

Continua Certification

Version 1.0

February 23, 2009

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Scope

This document describes the certification process for the Continua Health Alliance.

Revision History

Revision	Date	Comments
1.0	February 23, 2009	First Official Release

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1 Introduction

1.1 Overview

Continua is a non profit organization formed to foster independence through establishing a system of interoperable personal telehealth solutions that empower people and organizations to better manage health and wellness.

The Continua Certification program provides a high level of assurance that a device displaying the Continua Logo has been designed to meet the requirements of the Continua Design Guidelines and its underlying Standards.

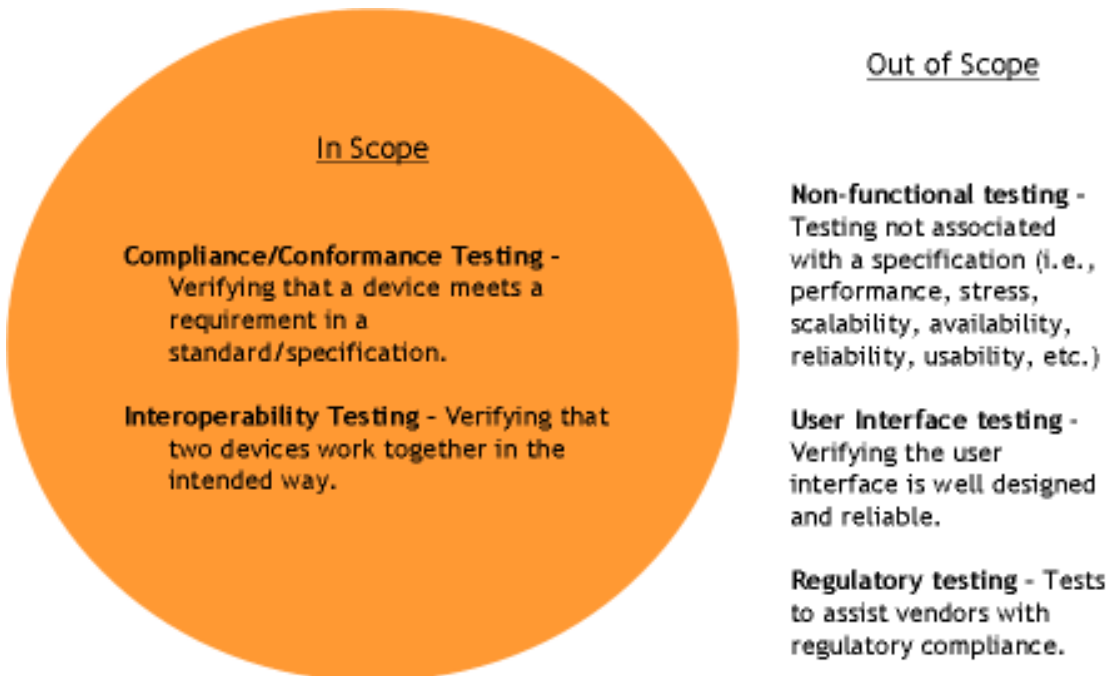
This document contains an overview of the Continua Certification process for both Continua member companies as well as the general public.

2 Testing Scope and Approach

2.1 Overview

This section defines what will be tested within the scope of the Continua Test and Certification effort. It also defines what is out of scope for the Continua Test and Certification effort. It also defines Continua's approach to Test and Certification.

2.2 Continua Testing Scope



2.3 Approach

2.3.1 Overview

This section defines the approach to Test and Certification for Continua v1. It is broken down into PAN interface testing as well as xHR interface testing. These two interfaces are shown in Figure 2-1.

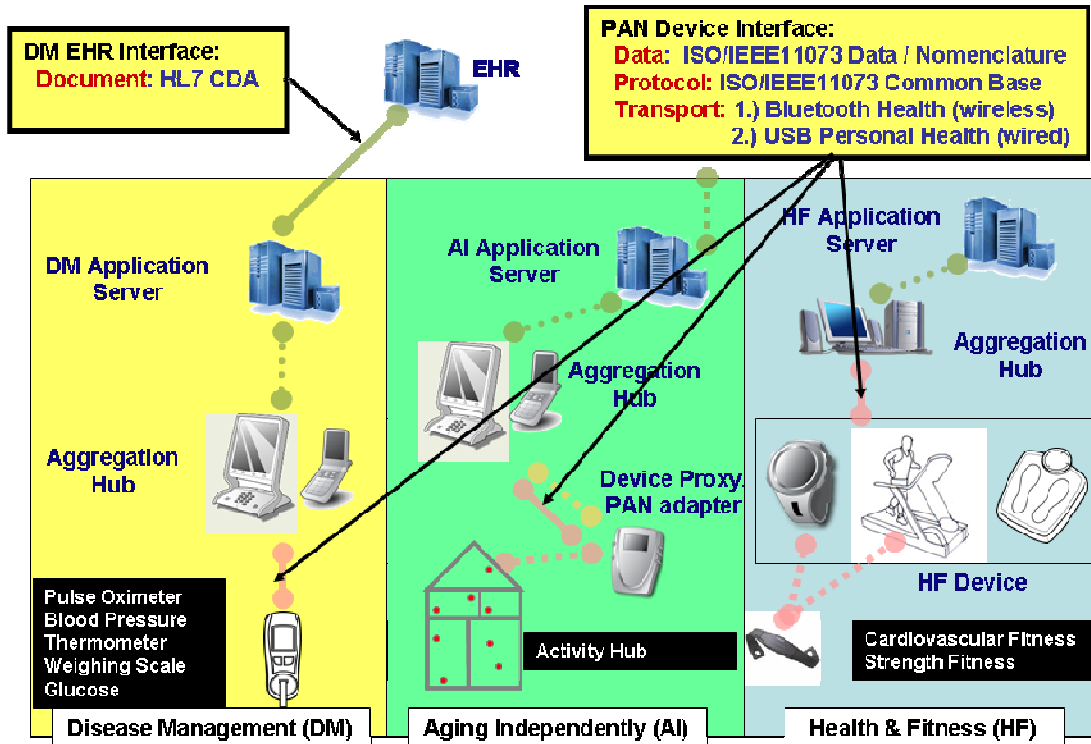


Figure 2-1 - V1 Interfaces to Be Tested

2.3.2 PAN Interface Testing

2.3.2.1 Testing Areas

Testing for the PAN interface involves:

- ✓ Compliance Testing
 - Includes:
 - Compliance test suite against ISO/IEEE Std 11073-20601 and applicable ISO/IEEE Std 11073-104** device specializations.
 - Compliance test suite against applicable Continua Design Guidelines.
 - Continua also verifies that Bluetooth® Health Device Profile/Multichannel Adaptation Protocol (HDP/MCAP) qualification or USB Personal Healthcare Device Class (PHDC) certification was obtained.
- ✓ Interoperability Testing
 - Includes interoperability tests against Continua Vendor Assisted Source Code.

2.3.2.2 Transport Certification Process

The USB PHDC Certification Options are described in Figure 2-2.



USB-IF Test Labs

- Charge a fee.
- Available on demand.
- Available to both USB-IF and non-USB-IF members.
- USB PHDC test labs can be found at:
<http://www.usb.org/developers/compliance/labs/>.



USB-IF Compliance Workshops

- Offer more interoperability options.
- Free to USB-IF members. (Not available for non-USB-IF members.)

Figure 2-2 USB PHDC Certification Options

Bluetooth HDP/MCAP qualification options are described in Figure 2-3.



BT HDP/MCAP Test Labs

- Charge a fee.
- Available on demand.
- **None exist right now until the BT HDP/MCAP Test Suite is fully automated.**



BT HDP/MCAP Self-Qualification

- Can be run by the vendor or module provider.
- Can be manual or automated.
- Automated tests available from www.bluetooth.org. **Currently only 15% of tests are available. Remaining tests need to be created by tester.**

Figure 2-3 Bluetooth HDP/MCAP Certification Options

2.3.3 xHR Services Interface Testing

The xHR Interface in Figure 2-1 involves the exporting of remotely monitored personal health information from the WAN device client to the health record device (for example a server for a Disease Management Service which collects data from chronic disease management patients to Electronic Health Record (EHR)). This information is transmitted in a personal health message.

An xHR Test Tool will be created which will allow vendors to self-certify xHR Senders. This tool is still in process.

3 Certification Process

The certification process consists of the Product Vendor, Certification Administrator and the Test Lab working together to document and verify that a product has met the requirements for certification described in a Certification Specification. Figure 3-1 illustrates the process a Continua member shall follow to certify a device.

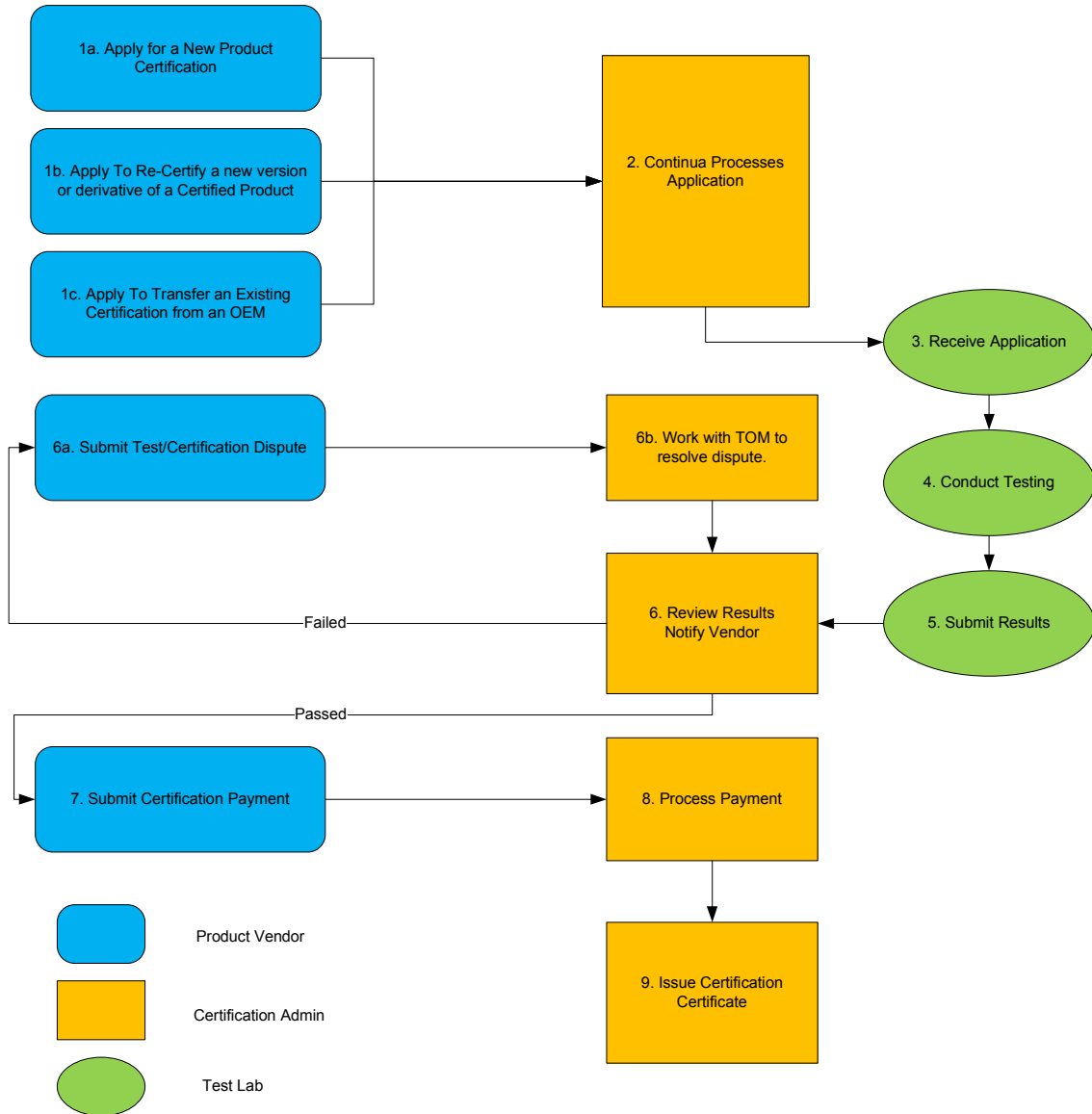


Figure 3-1 Certification Work Flow