

SYSTEMS REFERENCE DELIVERABLE



Active assisted living (AAL) use case standards inventory and mapping



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**ACTIVE ASSISTED LIVING (AAL) USE CASE
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Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this Systems Reference Deliverable is English.

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INTRODUCTION

IEC systems committee Active Assisted Living (SyC AAL) was formed to develop solutions to help AAL users of any age to live independently for as long as possible. AAL International Standards provide guidance for systems to be developed to ensure independent living. AAL develops systems based on the criteria of individual use cases. AAL systems are compilations of components, systems, and services from multiple vendors and service providers and contain a large variety of hardware and software systems, including medical devices, wellness devices, network hubs, IT systems, home monitoring devices, smart home technology, etc.

The task of AAL is to develop standards considering products, services, systems, safety, security, privacy, usability, accessibility, performance, and interoperability.

This document describes the process of identifying, compiling, and maintaining an inventory of international standards applicable to AAL systems. This document also describes the process of mapping international standards to individual use cases and identifying any gaps in the coverage of these international standards.

ACTIVE ASSISTED LIVING (AAL) USE CASE STANDARDS INVENTORY AND MAPPING

1 Scope

The purpose of this document is to describe the process of building an inventory of international standards based on use cases, mapping these international standards to individual use cases, and providing a visual representation in the IEC mapping platform.

This document identifies the main categories of international standards applicable to AAL systems and applies these international standards to AAL components and the complete AAL system.

Although there are national and regional standards that can address parts of AAL systems, this document will focus only on standards developed at the international level (e.g., IEC, ISO, ITU-T).

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

3.1

AAL

active assisted living

DEPRECATED: ambient assisted living

concepts, products, services, and systems combining technologies and social environment with the aim of improving the quality of people's lives

[SOURCE: IEC 60050-871:2018, 871-01-02]

3.2

AAL application

AAL application and services

program or application that interacts with the AAL users or within the network infrastructure to transmit or exchange data and information in the network

[SOURCE: IEC 63240-1:2020, 3.1.4]