

# INTERNATIONAL STANDARD



Active assisted living (AAL) reference architecture and architecture model –  
Part 1: Reference architecture

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**ACTIVE ASSISTED LIVING (AAL) REFERENCE  
ARCHITECTURE AND ARCHITECTURE MODEL –****Part 1: Reference architecture**

## FOREWORD

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IEC 63240-1 has been prepared by IEC systems committee AAL: Active Assisted Living. It is an International Standard.

This second edition cancels and replaces the first edition published in 2020. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) clarifying the Introduction;
- b) new terms and definitions have been added in 3.1;
- c) adaption of terms according to the IEV in the whole document;
- d) reference to ethical considerations of AI when applied in the AAL context has been added in Clause 5;
- e) clarifying the description of AAL reference architecture in 6.3.1;
- f) process to identify the needs on BAN, edge and cloud computing in the architecture perspective has been added in 6.3.2 and 6.3.3;
- g) new figures have been added in 6.3.2 and 6.3.3;
- h) reference to standards inventory has been added in 7.1;
- i) clarification of 7.5;
- j) Annex A has been added;
- k) updated bibliography.

The text of this International Standard is based on the following documents:

Draft	Report on voting
SyCAAL/322/CDV	SyCAAL/362A/RVC

[IEC 63240-1:2024](https://standards.iteh.com/IEC/63240-1:2024)

<https://standards.iteh.com/IEC/63240-1:2024> Full information on the voting for its approval can be found in the report on voting indicated in 2024 the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

A list of all parts in the IEC 63240 series, published under the general title *Active assisted living reference architecture and architecture model*, can be found on the IEC website.