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# SYSTEMS REFERENCE DELIVERABLE

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**Reference standards portfolio (RSP) on interoperability and connectivity for  
active assisted living (AAL) in the connected home environment (CHE)**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 AAL CHE elements in a sub-component of an AAL CHE system component and AAL CHE instances .....	8
5 Reference standards .....	10
5.1 General.....	10
5.2 Communication between AAL CHE devices and AAL CHE gateway .....	10
5.2.1 Communication between personal health devices and AAL CHE gateway .....	10
5.2.2 Communication between multimedia devices and AAL CHE gateway .....	11
5.2.3 Communication between comfort devices and AAL CHE gateway .....	11
5.2.4 Communication between AAL robots and AAL CHE gateway .....	12
5.3 Communication between AAL CHE devices and AAL CHE backend system .....	12
5.4 Communication between AAL CHE gateway and AAL CHE applications/services.....	13
5.5 Communication between AAL CHE applications/services and AAL CHE information system.....	14
Bibliography.....	15
Figure 1 – AAL CHE elements and AAL CHE instances with data communications .....	8
Table 1 – Communication between personal health devices and AAL CHE gateway .....	10
Table 2 – Communication between multimedia devices and AAL CHE gateway .....	11
Table 3 – Communication between comfort devices and AAL CHE gateway.....	12
Table 4 – Communication between AAL robots and AAL CHE gateway .....	12
Table 5 – Communication between AAL CHE devices and AAL CHE backend system.....	13
Table 6 – Communication between AAL CHE gateway and AAL CHE applications/services.....	13
Table 7 – Communication between AAL CHE applications/services and AAL CHE information system.....	14

## INTERNATIONAL ELECTROTECHNICAL COMMISSION

# REFERENCE STANDARDS PORTFOLIO (RSP) ON INTEROPERABILITY AND CONNECTIVITY FOR ACTIVE ASSISTED LIVING (AAL) IN THE CONNECTED HOME ENVIRONMENT (CHE)

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IEC SRD 63426 has been prepared by IEC systems committee AAL: Active Assisted Living. It is a Systems Resource Deliverable.

The text of this Systems Resource Deliverable is based on the following documents:

Draft	Report on voting
SyCAAL/334/DTS	SyCAAL/361/RVDTS

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 Resource Deliverable 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).

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

## INTRODUCTION

This document provides reference standards to active assisted living connected home environment (AAL CHE) system and device vendors about how to achieve interoperability and connectivity between AAL CHE elements and instances. An element defined in this document is a sub-component of an AAL CHE system component, which is made up of devices, services and systems classified in each AAL CHE system component. An instance is a specific example of elements, used in AAL CHE.

This document reflects contributions and discussions by systems committee active assisted living (SyC AAL) experts, mirror committees and liaison members. This document also contains material gathered from reports, AAL research projects and group output from the SyC AAL meetings in October 2020 (virtual meeting), October 2021 (virtual meeting), as well as information obtained during various web meetings.

This reference standards portfolio will be revised as additional standards and specifications are identified and added.

The documents listed in Clause 5 also include specifications and protocols that are not International Standards.

The applicable versions of the standards/specifications listed in Clause 5 can be found on the IEC Mapping platform:

- <https://mapping.iec.ch/#/maps/52>

The target audience in this document includes the following stakeholders who have an interest in the AAL system:

- AAL users and service provider personnel who intend to learn about AAL user needs and how to operate AAL systems;
- vendors who intend to develop systems and devices for AAL CHE.

This document identifies standardization needs and new standardization opportunities specific to the use of the AAL CHE element.

# REFERENCE STANDARDS PORTFOLIO (RSP) ON INTEROPERABILITY AND CONNECTIVITY FOR ACTIVE ASSISTED LIVING (AAL) IN THE CONNECTED HOME ENVIRONMENT (CHE)

## 1 Scope

This document classifies elements suitable for an AAL connected home environment based on AAL system components. This document defines instances which are specific examples of elements used in an AAL connected home environment (AAL CHE).

An element defined in this document is a specialized and subdivided classification of a connected home environment. An instance is a specific example of an element used in an AAL CHE.

This document lists standards applicable to AAL CHE elements and AAL CHE instances, with a focus on interoperability and connectivity.

NOTE: IEC SRD 63473 relates to this document.

## 2 Normative references

There are no normative references in this document.