BS IEC 63240-2:2020

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Active assisted living (AAL) reference architecture and architecture model

Part 2: Architecture model

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CONTENTS

FOREWORD 3
INTRODUCTION 5
1 Scope 6
2 Normative references 6
3 Terms, definitions and abbreviated terms 6
3.1 Terms and definitions 6
3.2 Abbreviated terms 9
4 General 9
5 Relationship between IoT and AAL 10
6 AAL architecture model 10
6.1 Development of AAL architecture model 10
6.1.1 Reference architecture and architecture model 10
6.1.2 The benefit of architecture model 11
6.1.3 Key decisions in AAL architecture model 11
6.1.4 Evolution of architecture model 12
6.2 Description of AAL architecture model 12
6.2.1 General 12
6.2.2 X-axis: levels of assistance 12
6.2.3 Y-axis: AAL system component composition 13
6.2.4 Z-axis: AAL model and process views 14
Bibliography 19

Figure 1 – AAL architecture model 12
Figure 2 – Actor layer (physical layer) and the corresponding interfaces 14
Figure 3 – Communication layer with possible data transmission technologies 15
Figure 4 – Information layer (data model layer) describes the main aspects of the system 16
Figure 5 – Illustration of the function layer (functional layer) 17
Figure 6 – Stakeholder layer with all in the AAL ecosystem involved roles 18
Figure 7 – Illustration of the business layer 18

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Full document details: BS IEC 63240-2:2020

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ACTIVE ASSISTED LIVING (AAL) REFERENCE ARCHITECTURE AND ARCHITECTURE MODEL –

Part 2: Architecture model

FOREWORD

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International Standard IEC 63240-2 has been prepared by IEC systems committee AAL: Active Assisted Living.

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Draft	Report on voting
SyCAAL/177/CDV	SyCAAL/191/RVC

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
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INTRODUCTION

IEC SyC AAL is developing an architecture model and a reference architecture for AAL to guide the development and deployment of AAL services and technologies. IEC 63240 consists of the following parts, under the general title Active assisted living (AAL) reference architecture and architecture model:

- Part 1: Reference architecture;
- Part 2: Architecture model.

This document provides information to ensure usability and accessibility from the earliest stages of design and provides guidance to developers on how to incorporate these requirements. Additional requirements such as security, privacy, and trustworthiness are introduced and considered.

This document captures the results the work of SyC AAL on architecture and interoperability. This document reflects contributions and discussions by SyC AAL experts, mirror committees and liaison members. This document also contains material gathered from reports and group output from the SyC AAL meetings in November 2015 (Tokyo), April 2016 (Wellington), October 2016 (Frankfurt), April 2017 (Beijing), September 2017 (Cleveland), December 2017 (Eindhoven), May 2018 (Tokyo), October 2018 (Seoul), June 2019 (Frankfurt) and October 2019 (Shanghai), as well as information obtained during various web meetings.

Experts from liaison organizations and the following national committees have contributed: CA, CH, CN, DE, GB, IN, JP, KR, NL, NZ, SE, US.

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

- AAL users and service provider personnel who can learn about AAL user needs and how to operate AAL systems;
- consumer electronics and information and communication technology device manufacturers who want to understand AAL devices and interface and interoperability requirements;
- stakeholders who are interested in the usability, accessibility and performance of the AAL system as well as AAL operators who need to understand the system requirements;
- regulators who are responsible for developing and supervising AAL and related regulations.

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