ISO/IEC 10192-4-1:2022-03 (E)

Information technology - Home electronic system (HES) interfaces - Part 4-1: Common user interface and interoperability among home systems - Architecture

Contents

Page

FOREWORD 3
INTRODUCTION 5
1 Scope 7
2 Normative references 7
3 Terms, definitions and abbreviated terms 7
3.1 Terms and definitions 7
3.2 Abbreviated terms 8
4 Conformance 8
5 Typical home cluster system 9
6 Cluster interworking 9
7 Common user interface 11
7.1 General 11
7.2 Alternative #1: common user interface in a cluster 12
7.3 Alternative #2: common user interface as a separate device 13
7.4 Alternative #3: common user interface in a service module 14
8 Operational system requirements 15
8.1 General 15
8.2 Other parts of ISO/IEC 10192-4 16
Annex A (informative) Use case of common user interface in the HES gateway 17
A.1 Overview 17
A.2 Unified access to devices 17
A.3 Event binding among devices 18
Bibliography 20

Figure 1 – Core interoperability and HES standards 6
Figure 2 – HES gateway applications standards 6
Figure 3 – Typical home cluster system 9
Figure 4 – C2C enhanced home cluster system 10
Figure 5 – System layout for cluster interworking 11
Figure 6 – Common user interface in a cluster 12
Figure 7 – Common user interface as a separate device 13
Figure 8 – Common user interface in a service module 14
Figure 9 – C2C interworking application NSEE group 15
Figure A.1 – Unified access to devices distributed on multiple clusters 18
Figure A.2 – Event binding among devices distributed on multiple clusters 19