ISO 23456-1:2021-09 (E)

Dynamic signs in physical environments - Part 1: General requirements

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Dynamic signs 2

5 Visibility 4
5.1 General 4
5.2 Graphical symbols and pictorial symbols to be displayed 4
5.3 Characters to be displayed 4
5.3.1 Font style 4
5.3.2 Font size 4
5.3.3 Presentation content and context 5
5.3.4 Number of characters 5
5.4 Types of dynamic display methods and their requirements 5
5.4.1 Types of dynamic presentation incorporating movement 5
5.4.2 Types of temporal variation in brightness, chromaticity or shape 5
5.5 Visual requirements for dynamic signs to be considered 5
5.5.1 Information volume 5
5.5.2 Size 5
5.5.3 Colour 5
5.5.4 Contrast and luminance 5
5.5.5 Lead time, presentation time and velocity 5
5.5.6 Display location 6
5.5.7 Discomfort and annoyance from signs 6
5.5.8 Requirements for combinations of symbols and characters 6

6 Visual image safety 6
6.1 Considerations for avoiding photosensitive seizures 6
6.2 Considerations for avoiding visually induced motion sickness 6
6.3 Considerations for avoiding visually induced balance disorder 6
6.4 Considerations for restricting misuse 6

7 Accessibility 6
7.1 Consideration of diverse users and diverse context of use 6
7.2 Use of multiple languages 7

Annex A (informative) Examples of dynamic sign use 8

Bibliography 11