ISO 9241-391:2016-02 (E)

Ergonomics of human-system interaction - Part 391: Requirements, analysis and compl iance test methods for the reduction of photosensitive seizures

Contents

Page

Foreword iv

Introduction vii

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Image factors of photosensitive seizures 2

5 Ergonomic requirements and recommendations 3
5.1 General 3
5.2 Flashes 3
5.2.1 Potentially harmful flashes 3
5.2.2 Rapid changes of image sequences 4
5.2.3 Potentially harmful red flashes 4
5.2.4 Cumulative risk 4
5.2.5 Prior warning 4
5.3 Potentially harmful regular patterns 4

6 Conformance 5
6.1 General 5
6.2 Test methods 5
6.3 Procedure of conformance 6

Annex B (informative) Abbreviated terms 8

Annex C (informative) Clinical aspects of photosensitivity 9

Annex D (informative) Viewing environments 10

Annex E (informative) Saturated red 11

Annex F (informative) Typical relation between screen luminance and signal voltage 12

Annex G (informative) Sample procedure for assessing applicability and conformance 13

Bibliography 15