

# ISO 9241-391:2016-02 (E)

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

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		vii
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	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