

ISO 22111:2007-11 (E)

Bases for design of structures - General requirements

| Contents | | Page |
|------------------------------|---|-------------|
| Foreword | | iv |
| Introduction | | v |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Symbols | 5 |
| 5 | Application | 7 |
| 6 | Basic requirements for structural performance | 7 |
| 7 | Classification of structures and elements of structures | 7 |
| 8 | Actions | 8 |
| 8.1 | General | 8 |
| 8.2 | Evaluation of values of actions | 8 |
| 8.3 | Permanent actions | 8 |
| 8.4 | Variable actions | 8 |
| 8.5 | Accidental actions | 9 |
| 9 | Combinations of actions | 9 |
| 9.1 | General | 9 |
| 9.2 | Ultimate limit states | 9 |
| 9.2.1 | Strength | 9 |
| 9.2.2 | Static equilibrium | 10 |
| 9.3 | Serviceability limit states | 10 |
| 9.4 | Formats for presentation of design values for leading and accompanying actions | 10 |
| 10 | Analysis and testing | 11 |
| 10.1 | Analysis | 11 |
| 10.2 | Testing | 11 |
| 11 | Demonstrating compliance with requirements | 11 |
| 11.1 | General | 11 |
| 11.2 | Ultimate limit state | 12 |
| 11.2.1 | Strength | 12 |
| 11.2.2 | Static equilibrium | 12 |
| 11.3 | Robustness | 12 |
| 11.4 | Serviceability | 13 |
| 11.5 | Durability | 13 |
| Annex A (informative) | Guidance for adopting groups | 14 |
| Annex B (informative) | Formats for presentation of design values for use in combinations of actions | 17 |
| Annex C (informative) | Calibration of design values | 21 |
| Annex D (informative) | Design procedure | 22 |
| Bibliography | | 23 |