

ISO 17607-1:2023-12 (E)

Steel structures - Execution of structural steelwork - Part 1: General requirements and terms and definitions

| Contents | | Page |
|-----------------|---|-------------|
| | Foreword | iv |
| | Introduction | v |
| 1 | Scope | 1 |
| 2 | Normative references | 2 |
| 3 | Terms and definitions | 2 |
| | 3.1 Terms related to general requirements..... | 2 |
| | 3.2 Terms related to steels..... | 5 |
| | 3.3 Terms related to fabrication and erection..... | 7 |
| | 3.4 Terms related to welding..... | 8 |
| | 3.5 Terms related to structural bolting..... | 8 |
| 4 | Execution specification and quality requirements | 12 |
| | 4.1 Execution specification..... | 12 |
| | 4.1.1 General..... | 12 |
| | 4.1.2 Execution levels..... | 13 |
| | 4.1.3 Identification and traceability..... | 13 |
| | 4.1.4 Geometrical tolerances..... | 14 |
| | 4.1.5 Architecturally exposed structural steel (AESS)..... | 14 |
| | 4.2 Quality requirements..... | 14 |
| | 4.2.1 Quality management system..... | 14 |
| | 4.2.2 Quality documentation..... | 14 |
| | 4.2.3 Quality plan..... | 15 |
| | 4.2.4 Execution documentation..... | 15 |
| 5 | Constituent products | 15 |
| | 5.1 General..... | 15 |
| | 5.2 Conformance with inspection documents..... | 15 |
| 6 | Inspection, testing, and correction | 16 |
| | 6.1 General..... | 16 |
| | 6.2 Constituent products and components..... | 16 |
| | 6.2.1 Constituent products..... | 16 |
| | 6.2.2 Components..... | 16 |
| | 6.2.3 Non-conforming products..... | 17 |
| | 6.3 Geometrical dimensions of fabricated and erected components..... | 17 |
| 7 | Documents required to claim conformity to this document | 17 |
| | 7.1 General..... | 17 |
| | 7.2 Declaration of conformity..... | 18 |
| | Annex A (normative) Additional information, list of options and requirements related to the execution levels | 19 |
| | Annex B (informative) Guidance for development of the execution specification | 21 |
| | Annex C (informative) Guidance for the determination of execution levels | 22 |
| | Annex D (informative) Checklist for the content of a quality plan | 26 |
| | Annex E (informative) Architecturally exposed structural steel (AESS) | 29 |
| | Bibliography | 30 |