

DIN EN 16907-5:2019-04 (E)

Earthworks - Part 5: Quality control

| Contents | | Page |
|---|--|-------------|
| European foreword | | 3 |
| 1 | Scope | 4 |
| 2 | Normative references | 4 |
| 3 | Terms and definitions | 4 |
| 4 | Quality Assurance Programme | 5 |
| 5 | Quality Control Plan | 5 |
| 6 | Material checking | 6 |
| 7 | Approaches to Compaction Control | 6 |
| 7.1 | General | 6 |
| 7.2 | Method Specification | 6 |
| 7.3 | End product Specification | 7 |
| 8 | Compliance testing | 7 |
| 8.1 | General | 7 |
| 8.2 | In situ density testing | 8 |
| 8.3 | Stiffness and bearing capacity testing | 9 |
| 8.3.1 | General | 9 |
| 8.3.2 | Plate loading tests | 9 |
| 8.3.3 | Deflectometer tests | 10 |
| 8.3.4 | Penetration tests | 10 |
| 8.3.5 | Methods to check the quality of compaction of coarse materials | 10 |
| 8.4 | Continuous Compaction Control (CCC) using vibrating rollers | 10 |
| 8.5 | Geometry/Tolerances | 11 |
| 9 | Frequency of testing | 11 |
| 10 | Evaluation of test results | 11 |
| 11 | Records to be kept during construction | 12 |
| 11.1 | Daily records | 12 |
| 11.2 | Presentation of test results | 12 |
| 11.3 | As-built records | 12 |
| 12 | Fill construction monitoring | 13 |
| Annex A (informative) Methods of evaluation of test results | | 14 |
| A.1 | Evaluation by the single result method | 14 |
| A.2 | Evaluation by the attributes method | 14 |
| A.3 | Evaluation by the variables method | 14 |
| Annex B (informative) Specification of compaction requirements using the Q/S method | | 16 |
| B.1 | Definition | 16 |
| B.2 | Compaction specifications | 16 |

| | | |
|------------|---------------------------------|-----------|
| B.3 | Compaction control | 17 |
| | Bibliography | 19 |