

DIN EN 17121:2019-12 (Englisch)

Conservation of cultural heritage - Historic timber structures - Guidelines for the on-site assessment of load-bearing timber structures

| Contents | | Page |
|---|---|-------------|
| European foreword | | 3 |
| Introduction | | 4 |
| 1 | Scope | 5 |
| 2 | Normative references | 5 |
| 3 | Terms and definitions | 5 |
| 4 | Assessment procedure | 8 |
| 4.1 | General | 8 |
| 4.2 | Preliminary assessment | 9 |
| 4.3 | Desk study | 11 |
| 4.4 | Historical analysis | 11 |
| 4.5 | Preliminary visual survey | 12 |
| 4.6 | Measured survey | 12 |
| 4.7 | Structural analysis | 13 |
| 4.8 | Preliminary report | 14 |
| 5 | Detailed survey | 15 |
| 5.1 | Overview | 15 |
| 5.2 | General | 15 |
| 5.3 | Identification of wood species | 16 |
| 5.4 | Estimating wood moisture content and moisture gradients | 16 |
| 5.5 | Characterization of biological damage | 16 |
| 5.6 | Strength assessment of timber | 17 |
| 5.7 | Wood dating | 18 |
| 5.8 | Detailed survey of timber joints | 19 |
| 5.9 | Detailed structural analysis | 20 |
| Annex A (informative) Tools for non-destructive analyses on timber structures | | 21 |
| Bibliography | | 27 |