

ISO 19285:2017-08 (E)

Non-destructive testing of welds - Phased array ultrasonic testing (PAUT) - Acceptance levels

| Contents | | Page |
|--|--|-------------|
| Foreword | | iv |
| 1 | Scope | 1 |
| 2 | Normative references | 1 |
| 3 | Terms and definitions | 1 |
| 4 | Symbols | 1 |
| 5 | Acceptance levels | 2 |
| 6 | Evaluation of indications | 2 |
| 7 | Determination of length and height | 2 |
| 7.1 | General | 2 |
| 7.2 | Determination of length | 2 |
| 7.3 | Determination of height | 2 |
| 7.3.1 | General | 2 |
| 7.3.2 | Using diffracted signals | 2 |
| 7.3.3 | Using other signals | 3 |
| 8 | Determination of length and maximum amplitude | 3 |
| 9 | Acceptance criteria based on length and height | 3 |
| 9.1 | General | 3 |
| 9.2 | Single indications | 3 |
| 9.2.1 | Acceptance criteria for level 1 | 3 |
| 9.2.2 | Acceptance criteria for level 2 | 3 |
| 9.2.3 | Acceptance criteria for level 3 | 4 |
| 9.3 | Cumulative length of indications | 4 |
| 9.3.1 | General | 4 |
| 9.3.2 | For each single set-up | 4 |
| 9.3.3 | Combining set-ups | 5 |
| 9.4 | Grouping of indications | 5 |
| 9.5 | Point-like indications | 6 |
| 10 | Acceptance criteria based on length and amplitude | 6 |
| 10.1 | General | 6 |
| 10.2 | Longitudinal indications | 6 |
| 10.3 | Transverse indications | 6 |
| 10.4 | Grouping of indications | 6 |
| 10.5 | Cumulative length of indications | 7 |
| 10.5.1 | General | 7 |
| 10.5.2 | For each single set-up | 8 |
| 10.5.3 | Combined set-up | 8 |
| Annex A (normative) Levels | | 9 |
| Annex B (normative) Fixed amplitude level technique | | 22 |