

DIN EN 15495:2008-02 (E)

Non Destructive testing - Acoustic emission - Examination of metallic pressure equipment during proof testing - Zone location of AE sources

Contents		Page
Foreword		3
1 Scope		4
2 Normative references		4
3 Terms and definitions		4
4 Personnel Qualifications		4
5 General		5
5.1 General		5
5.2 Application of load		5
5.3 Sensors		5
5.4 Zone location		5
5.5 Preliminary information		6
5.6 Written instruction requirements		6
6 Instrumentation		7
7 Testing		7
7.1 Pre-Test Measurements		7
7.1.1 General		7
7.1.2 Wave propagation		7
7.1.3 Determination of maximum allowed sensor spacing		8
7.2 Test steps		10
7.2.1 General Guidelines		10
7.2.2 In situ verification		10
7.2.3 Background Noise		10
7.2.4 Equipment Pressurisation		10
8 Interpretation of results		11
8.1 General		11
8.2 Test stop criteria		11
8.2.1 Test stop during the initial proof loading		11
8.2.2 Test stop during subsequent loadings		11
8.3 AE zone grading criteria		11
9 Documentation		12
Bibliography		13