

ISO 17640:2005-07 (E)

Non-destructive testing of welds - Ultrasonic testing of welded joints

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	2
5	Information requirements	2
5.1	Information required prior to testing	2
5.2	Additional pre-test information	3
5.3	Written test procedure	3
6	Requirements for personnel and equipment	3
6.1	Personnel qualifications	3
6.2	Equipment	4
6.3	Probe parameters	4
7	Test volume	4
8	Preparation of scanning surfaces	5
9	Parent material testing	6
10	Range and sensitivity setting	6
10.1	General	6
10.2	Reference level	6
10.3	Evaluation levels	7
10.4	Transfer correction	7
10.5	Signal-to-noise ratio	8
11	Testing levels	8
12	Testing technique	8
12.1	General	8
12.2	Manual scan path	8
12.3	Testing for imperfections perpendicular to the test surface	9
12.4	Location of indications	9
12.5	Evaluation of indications	9
13	Test report	10
13.1	General	10
13.2	General data	10
13.3	Information relating to equipment	11
13.4	Information relating to testing technique	11
13.5	Results of testing	11
Annex A (normative)	Testing levels for various types of welded joint	12
Bibliography		26