

ISO 17663:2023-04 (E)

Welding - Quality requirements for heat treatment in connection with welding and allied processes

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Review of requirements and technical review	2
4.1	General	2
4.2	Review of requirements	2
4.3	Technical review	3
5	Subcontracting	3
6	Personnel	3
7	Inspection and testing	4
7.1	General	4
7.2	Non-destructive testing	4
7.3	Destructive testing	4
8	Equipment for heat treatment	4
8.1	Production and testing equipment	4
8.2	Description of facilities	4
8.3	Suitability of equipment	5
8.4	Verification of heat treatment equipment	5
8.4.1	General	5
8.4.2	Measurement of the uniformity of furnace temperature	5
8.4.3	Validation of setting and recording devices	6
8.5	New equipment	6
8.6	Maintenance	6
9	Heat treatment activities	6
9.1	General	6
9.2	Heat treatment parameters	6
9.3	Heat treatment procedure specification	7
9.4	Work instructions	7
9.5	Number of measuring points	7
9.6	Guidance for local post-weld heat treatment of welds in pipe work	8
10	Heat treatment record	9
11	Non-conformity and corrective actions	9
12	Quality records	10
Annex A (informative) Example of local heat treatment		11
Bibliography		12