ISO/ASTM TS 52949:2025-01 (E)

Additive manufacturing of metals - Qualification principles - Installation, operation and performance (IQ/OQ/PQ) of PBF-EB equipment

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 1

5 General concepts 1

6 Elements of process validation 2
6.1 General 2
6.2 Installation qualification (IQ) 2
6.2.1 General 2
6.2.2 Specific considerations for installation qualification 2
6.3 Operational qualification (OQ) 3
6.3.1 General 3
6.3.2 Specific considerations for operational qualification 3
6.4 Performance qualification (PQ) 4
6.4.1 General 4
6.4.2 Specific considerations for performance qualification 4

7 Revalidation 5