# ISO 14801:2016-11 (E)

## Dentistry - Implants - Dynamic loading test for endosseous dental implants

## Contents

Page


Foreword ..... iv

1 Scope ..... 1

2 Normative references ..... 1

3 Termsanddefinitions ..... 1

4 General principles ..... 2
4.1 Finished device testing ..... 2
4.2 Multi-part endosseous dental implants ..... 2
4.3 Worst-case testing ..... 2

5 Test methods ..... 3
5.1 Testing machine ..... 3
5.2 Loading geometry ..... 3
5.3 Specimen holder and load application ..... 6
5.4 Testing environment ..... 7
5.5 Loading frequency and wave form ..... 7
5.6 Procedure ..... 7
5.7 Alternative procedure -- Stair case method ..... 8

6 Reporting ..... 9

Annex A (informative) Load-cycle diagram ..... 11

Annex B (informative) Guide to determination of worst-case conditions ..... 12

Bibliography ..... 16