DIN EN 13848-5:2010-09 (E)

Railway applications - Track - Track geometry quality - Part 5: Geometric quality levels - Plain line (includes Amendment A1:2010)

Contents

Page

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Symbols and abbreviations 5

5 Background 5

6 Overview 5

7 Assessment of track geometric quality 6

8 Immediate action limits 7
8.1 Introductory remarks 7
8.2 Track gauge 7
8.3 Longitudinal level 9
8.4 Cross level 9
8.5 Alignment 10
8.6 Twist 10

9 Alert and intervention limit 11

Annex A (informative) Relative importance of the various parameters 12

A.1 Track-vehicle system 12
A.2 Influence of track geometry parameters on vehicle behaviour and safety 13
A.3 Other criteria 13

Annex B (informative) Alert and intervention limits 15

B.1 Introduction 15
B.2 Alert limit and intervention limit 15
B.2.1 Track gauge 15
B.2.2 Longitudinal level 16

16 16 B.2.3 Cross level 17

B.2.4 Alignment 17
B.2.5 Twist 18

Annex C (informative) !A-Deviations" 19

Annex ZA (informative) Relationship between this European Standard and the essential requirements of EU Directive 96/48/EC of 23 rd July 1996 on the interoperability of the trans-European high-speed rail system amended by the EU Directive 2004/50/EC of 29 th April 2004 20

Bibliography 22