



DIN EN 15461:2011-01 (E)

Railway applications - Noise emission - Characterisation of the dynamic properties of track sections for pass by noise measurements (includes Amendment A1:2010)

Contents		Page
Foreword		3
Introduction		4
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Symbols and abbreviations	6
5	Principles	7
6	Data acquisition	7
6.1	Selection of the test section	7
6.2	Position of the accelerometers	7
6.3	Assembly of the accelerometers	8
6.4	Excitation force	9
6.5	Acquisition system	9
6.6	Acquisition of the FRF	9
6.7	Set of measuring positions	9
6.8	Measurement data to be produced	12
7	Data processing	12
8	Acceptance criteria	13
9	Test report	13
9.1	General	13
9.2	Presentation of the track decay rates	13
Annex A (informative) Calculation of the decay rates		14
A.1	General	14
A.2	Calculation of the decay rates	14
Annex ZA (informative)  Relationship between this European Standard and the Essential Requirements of EU Directive 2008/57/EC of the European Parliament and of the Council of 17 June 2008 on the interoperability of the rail system within the Community (Recast) 		16
Bibliography		18