DIN EN 16704-3:2021-12 (E)

Railway applications - Track - Safety protection on the track during work - Part 3: Competences for personnel related to work on or near tracks (includes Amendment A1:2021)

Contents

Page

European foreword 5

Introduction 6

1 Scope 7

2 Normative references 7

3 Terms and definitions 7

4 Competences 7
4.1 Competence level 7
4.2 Requirements for assessment and maintenance of competence 8
4.2.1 General requirements 8
4.2.2 Maintenance of competence 8
4.3 Withdrawal of track safety card 8

5 Competence requirements 8
5.1 Medical requirements 8
5.1.1 General vision 8
5.1.2 Colour vision 9
5.1.3 Hearing 9
5.1.4 Basic fitness 9
5.2 Psychological requirements 9
5.3 Communication requirements 10
5.3.1 Reading/writing 10
5.3.2 Verbal communication 10
5.4 Professional skills 11

Annex A (normative) Assessment of competences 12

A.1 General 12

A.2 Assessment 12

A.3 Competence levels 16

A.3.1 Working on track under supervision 16

A.3.1.1 Knowledge requirements 16

A.3.1.2 Performance statements 16

A.3.2 Working on track individually 17

A.3.2.1 Basic requirements 17

A.3.2.2 Additional knowledge requirements 17

A.3.2.2.1 Planning phase 17

A.3.2.2.2 Execution phase 17

A.3.2.3 Additional performance statements 18

A.3.2.3.1 Planning phase 18

A.3.2.3.2 Execution phase 18
A.3.3 Observing trains and transmitting warning to co-workers 19
A.3.3.1 Basic requirements 19
A.3.3.2 Additional knowledge requirements 19
A.3.3.3 Additional performance statements 19
A.3.4 Communicating warnings via radio or directly 20
A.3.4.1 Basic requirements 20
A.3.4.2 Additional knowledge requirements 20
A.3.4.3 Additional performance statements 20
A.3.5 Overseeing people leaving danger zone 21
A.3.5.1 Basic requirements 21
A.3.5.2 Additional knowledge requirements 21
A.3.5.3 Additional performance statements 22
A.3.6 Preventing unintended entering of the danger zone 22
A.3.6.1 Basic requirements 22
A.3.6.2 Additional knowledge requirements 22
A.3.6.3 Additional performance statements 23
A.3.7 Directing and supervising track work machines 23
A.3.7.1 Basic requirements 23
A.3.7.2 Additional knowledge Requirements 23
A.3.7.3 Additional performance statements 24
A.3.8 Operating trackwork machines on worksite 24
A.3.8.1 Basic requirements 24
A.3.8.2 Additional knowledge requirements 24
A.3.9 Operation of warning systems 24
A.3.9.1 Basic requirements 24
A.3.9.2 Additional knowledge requirements 24
A.3.10 Communication with traffic control 25
A.3.10.1 Basic requirements 25
A.3.10.2 Additional knowledge requirements 25
A.3.10.3 Additional performance statements 25
A.3.11 Implement safety plans 25
A.3.11.1 Basic requirements 25
A.3.11.2 Additional knowledge requirements 25
A.3.11.3 Additional performance statements 26
A.3.12 Instruct personnel 26
A.3.12.1 Basic requirements 26
A.3.12.2 Additional knowledge requirements 26
A.3.12.3 Additional performance statements 27
A.3.13 Perform risk assessment and plan work site safety 27
A.3.13.1 Knowledge requirements 27

A.3.13.2 Performance statements **28**
A.3.14 Visiting track accompanied at all times **28**
Annex B (informative) **A–deviations** **30**
Annex ZA (informative) **Relationship between this European Standard and the Essential Requirements of Directive (EU) 2016/797 aimed to be covered** **31**
Bibliography **33**