

Directive (EU) 2016/797 of the European Parliament and of the Council of 11 May 2016 on the interoperability of the rail system within the European Union (recast) (Text with EEA relevance)

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ANNEX I

ELEMENTS OF THE UNION RAIL SYSTEM

1. Network
2. Vehicles

ANNEX II

SUBSYSTEMS

1. List of subsystems
2. Description of the subsystems
 - 2.1. Infrastructure
 - 2.2. Energy
 - 2.3. Trackside control-command and signalling
 - 2.4. On-board control-command and signalling
 - 2.5. Operation and traffic management
 - 2.6. Telematics applications
 - 2.7. Rolling stock
 - 2.8. Maintenance

ANNEX III

ESSENTIAL REQUIREMENTS

1. General requirements
 - 1.1. Safety
 - 1.1.1. The design, construction or assembly, maintenance and monitoring of safety-critical...
 - 1.1.2. The parameters involved in the wheel/rail contact must meet the...
 - 1.1.3. The components used must withstand any normal or exceptional stresses...
 - 1.1.4. The design of fixed installations and rolling stock and the...
 - 1.1.5. Any devices intended to be handled by users must be...
 - 1.2. Reliability and availability
 - 1.3. Health
 - 1.3.1. Materials likely, by virtue of the way they are used,...
 - 1.3.2. Those materials must be selected, deployed and used in such...
 - 1.4. Environmental protection
 - 1.4.1. The environmental impact of establishment and operation of the rail...

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- 1.4.2. The materials used in the trains and infrastructures must prevent...
- 1.4.3. The rolling stock and energy-supply systems must be designed and...
- 1.4.4. The design and operation of the rail system must not...
- 1.4.5. Operation of the rail system must not give rise to...
- 1.5. Technical compatibility
- 1.6. Accessibility
 - 1.6.1. The ‘infrastructure’ and ‘rolling stock’ subsystems must be accessible to...
 - 1.6.2. The ‘operations’ and ‘telematics applications for passengers’ subsystems must provide...
- 2. Requirements specific to each subsystem
 - 2.1. Infrastructure
 - 2.1.1. Safety
 - 2.1.2. Accessibility
 - 2.2. Energy
 - 2.2.1. Safety
 - 2.2.2. Environmental protection
 - 2.2.3. Technical compatibility
 - 2.3. Control-command and signalling
 - 2.3.1. Safety
 - 2.3.2. Technical compatibility
 - 2.4. Rolling stock
 - 2.4.1. Safety
 - 2.4.2. Reliability and availability
 - 2.4.3. Technical compatibility
 - 2.4.4. Controls
 - 2.4.5. Accessibility
 - 2.5. Maintenance
 - 2.5.1. Health and safety
 - 2.5.2. Environmental protection
 - 2.5.3. Technical compatibility
 - 2.6. Operation and traffic management
 - 2.6.1. Safety
 - 2.6.2. Reliability and availability
 - 2.6.3. Technical compatibility
 - 2.6.4. Accessibility
 - 2.7. Telematics applications for freight and passengers
 - 2.7.1. Technical compatibility
 - 2.7.2. Reliability and availability
 - 2.7.3. Health
 - 2.7.4. Safety
 - 2.7.5. Accessibility

ANNEX IV

‘EC’ VERIFICATION PROCEDURE FOR SUBSYSTEMS

- 1. GENERAL PRINCIPLES
- 2. CERTIFICATE OF VERIFICATION ISSUED BY A NOTIFIED BODY
 - 2.1. Introduction

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- 2.2. Intermediate statement of verification (ISV)
 - 2.2.1 Principles
 - 2.2.2 Parts of the subsystem
 - 2.2.3 Stages of the verification procedure
 - 2.3. Certificate of verification
 - 2.3.1. The notified bodies responsible for the verification assess the design,...
 - 2.3.2. Where ISV have been issued, the notified body responsible for...
 - 2.3.3. In the case of a modification to a subsystem already...
 - 2.3.4. Each notified body involved in the verification of a subsystem...
 - 2.4. Technical file accompanying the 'EC' declaration of verification.
 - 2.5. Surveillance by notified bodies.
 - 2.5.1. The notified body responsible for checking production must have permanent...
 - 2.5.2. The notified body responsible for checking implementation must periodically carry...
 - 2.5.3. In addition, the notified body may pay unexpected visits to...
 - 2.5.4. The notified body shall be able to monitor a subsystem...
 - 2.6. Submission
 - 2.7. Publication
 - 2.8. Language
3. CERTIFICATE OF VERIFICATION ISSUED BY A DESIGNATED BODY
- 3.1. Introduction
 - 3.2. Certificate of verification
 - 3.3. File
 - 3.4. Language
4. VERIFICATION OF PARTS OF SUBSYSTEMS IN ACCORDANCE WITH ARTICLE 15(7)...

ANNEX V

PART A

Repealed Directives with list of the successive amendments thereto

PART B

Time limits for transposition into national law

ANNEX VI

Signature

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- (1) [OJ C 327, 12.11.2013, p. 122.](#)
- (2) [OJ C 356, 5.12.2013, p. 92.](#)
- (3) Position of the European Parliament of 26 February 2014 (not yet published in the Official Journal) and position of the Council at first reading of 10 December 2015 ([OJ C 57, 12.2.2016, p. 1.](#)) Position of the European Parliament of 28 April 2016 (not yet published in the Official Journal).
- (4) 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 ([OJ L 191, 18.7.2008, p. 1.](#))
- (5) Regulation (EU) 2016/796 of the European Parliament and of the Council of 11 May 2016 on the European Union Agency for Railways and repealing Regulation (EC) No 881/2004 (see page 1 of this Official Journal).
- (6) Regulation (EU) No 1025/2012 of the European Parliament and of the Council of 25 October 2012 on European standardisation, amending Council Directives 89/686/EEC and 93/15/EEC and Directives 94/9/EC, 94/25/EC, 95/16/EC, 97/23/EC, 98/34/EC, 2004/22/EC, 2007/23/EC, 2009/23/EC and 2009/105/EC of the European Parliament and of the Council and repealing Council Decision 87/95/EEC and Decision No 1673/2006/EC of the European Parliament and of the Council ([OJ L 316, 14.11.2012, p. 12.](#))
- (7) Directive 2014/25/EU of the European Parliament and of the Council of 26 February 2014 on procurement by entities operating in the water, energy, transport and postal services sectors and repealing Directive 2004/17/EC ([OJ L 94, 28.3.2014, p. 243.](#))
- (8) Directive (EU) 2016/798 of the European Parliament and of the Council of 11 May 2016 on railway safety (see page 102 of this Official Journal).
- (9) Regulation (EC) No 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products and repealing Regulation (EEC) No 339/93 ([OJ L 218, 13.8.2008, p. 30.](#))
- (10) Regulation (EU) No 182/2011 of the European Parliament and of the Council of 16 February 2011 laying down the rules and general principles concerning mechanisms for control by Member States of the Commission's exercise of implementing powers ([OJ L 55, 28.2.2011, p. 13.](#))