

SLOVENSKI STANDARD

oSIST prEN 50562-2:2025

01-julij-2025

Fiksni postroji za železniške naprave - Varnost napajalnih sistemov električne vleke - 2. del: Splošni pristop za nekonvencionalne načine uporabe, funkcije in lastnosti

Fixed installations for railway applications - Safety of electric traction power supply systems - Part 2: Generic approach for non-conventional applications, functions and properties

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

Ta slovenski standard je istoveten z: prEN 50562-2:2025

[oSIST prEN 50562-2:2025](https://standards.iteh.ai/catalog/standards/sist/522526fb-926c-4405-95db-c27025acc742/osist-pren-50562-2-2025)

<https://standards.iteh.ai/catalog/standards/sist/522526fb-926c-4405-95db-c27025acc742/osist-pren-50562-2-2025>

ICS:

29.280 Električna vlečna oprema Electric traction equipment

oSIST prEN 50562-2:2025

en

**EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM**

**DRAFT
prEN 50562-2**

May 2025

ICS 29.280

Will supersede EN 50562:2018 (PART)

English Version

Fixed installations for railway applications - Safety of electric traction power supply systems - Part 2: Generic approach for non-conventional applications, functions and properties

To be completed

To be completed

This draft European Standard is submitted to CENELEC members for enquiry.
Deadline for CENELEC: 2025-08-22.

It has been drawn up by CLC/SC 9XC.

If this draft becomes a European Standard, CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

This draft European Standard was established by CENELEC in three official versions (English, French, German).
A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

prEN 50562-2:2025 (E)

	Page
1 Contents	
2 European foreword	4
3 Introduction	5
4 1 Scope	6
5 2 Normative references	6
6 3 Terms and definitions	6
7 4 Abbreviations	7
8 5 Risk assessment process	7
9 6 Delta analysis	10
10 6.1 General	10
11 6.2 Aim of the delta analysis	10
12 6.3 Output of the delta analysis	10
13 6.4 Identification of additional hazards for the system under consideration	10
14 6.4.1 General	10
15 6.4.2 New technologies and other changes	11
16 6.4.3 Hazard identification approach	11
17 6.4.4 Reference to existing analyses	12
18 7 Comparison with other CoPs or accepted solutions (Box B)	12
19 7.1 General	12
20 7.2 Identification of the reference solution	12
21 8 Explicit risk estimation (Box C)	13
22 8.1 General	13
23 8.2 Design baseline and subsequent improvement	14
24 8.3 Risk estimation	14
25 8.4 Modification	14
26 9 SIL allocation (Box D)	14
27 9.1 General	14
28 9.2 Risk graph	15
29 9.2.1 Calibrated risk graph classification tables	15
30 9.2.2 Severity of an accident in terms of consequences	15
31 9.2.3 Frequency and duration of exposure	15
32 9.2.4 Likelihood to avoid the accident	15
33 9.2.5 Frequency of occurrence of a situation where the independent function is required ..	15
34 9.3 Risk graph representation	15
35 10 Implementation of SIL (Box E)	16
36 10.1 System requirements	16
37 10.2 Selection of a software standard	17
38 10.2.1 General	17
39 10.2.2 Quality management and processes	18
40 10.2.3 Organisational aspects	18
41 10.2.4 Software environment	19
42 10.2.5 Platform solutions	19
43 11 Demonstration of compliance with the safety requirements (Box F)	19
44 11.1 Demonstration of compliance when applying CoP or SIM	19
45 11.2 Demonstration of compliance when applying ERE	19
46 Annex A (informative) Hazard identification	20
47 Annex B (informative) Keywords for guidance to delta analysis	22

48	Annex ZZ (informative) Relationship between this European Standard and the Essential Requirements of EU Directive (EU) 2016/797 aimed to be covered	28
49		
50	Bibliography	30

**iTeh Standards
(<https://standards.iteh.ai>)
Document Preview**

[oSIST prEN 50562-2:2025](#)

<https://standards.iteh.ai/catalog/standards/sist/532526fb-926e-4d95-95db-c27025acc742/osist-pren-50562-2-2025>