
Železniške naprave - Merjenje energije na vlaku - 5. del: Ugotavljanje skladnosti

Railway applications - Energy measurement on board trains - Part 5: Conformity assessment

Bahnanwendungen - Energiemessung auf Bahnfahrzeugen - Teil 5: Konformitätsbewertung

Applications ferroviaires - Mesure d'énergie à bord des trains - Partie 5 : Evaluation de la conformité

Ta slovenski standard je istoveten z: prEN 50463-5:2025

oSIST prEN 50463-5:2025

<https://standards.iteh.ai/catalog/standards/sist/a6160999-bb2e-4fcd-9a96-f3119e2176d8/osist-pren-50463-5-2025>

ICS:

03.120.20	Certificiranje proizvodov in podjetij. Ugotavljanje skladnosti	Product and company certification. Conformity assessment
45.060.10	Vlečna vozila	Tractive stock

oSIST prEN 50463-5:2025**en**

1	Contents	Page
2	European foreword.....	4
3	Introduction.....	5
4	1 Scope.....	8
5	2 Normative references.....	8
6	3 Terms, definitions and abbreviations	8
7	3.1 Terms and definitions	8
8	3.2 Abbreviations	9
9	4 Conformity assessment approach	10
10	4.1 General.....	10
11	4.2 Situation of applicability	10
12	4.3 General Methodology	10
13	4.4 EMS Specific Methodology.....	12
14	4.4.1 General	12
15	4.4.2 EMS integration design review.....	12
16	4.4.3 EMS integration type test.....	12
17	4.4.4 EMS installation design review.....	12
18	4.4.5 EMS installation type test.....	12
19	4.4.6 EMS installation routine test.....	12
20	4.4.7 CP periodic re-verification	12
21	4.4.8 Replacement of devices and ancillary components.....	12
22	5 Conformity assessment procedures	12
23	5.1 General.....	12
24	5.2 EMS integration design review.....	14
25	5.2.1 EMS integration design review documentation	14
26	5.2.2 EMS integration design review assessment	14
27	5.2.3 Integration Design Review Report (IDRR)	15
28	5.3 EMS integration type test.....	15
29	5.3.1 General	15
30	5.3.2 Integration type test procedure	15
31	5.3.3 Integration type tests	15
32	5.3.4 Integration Type Test Report (ITTR).....	16
33	5.4 EMS installation design review	16
34	5.4.1 EMS installation design review documentation.....	16
35	5.4.2 EMS installation design review assessment.....	17
36	5.4.3 Installation Design Review Report (SDRR)	18

37	5.5	EMS Installation type test	18
38	5.5.1	General	18
39	5.5.2	Installation procedure.....	18
40	5.5.3	Installation type test procedure.....	18
41	5.5.4	Installation type tests	18
42	5.5.5	Installation Type Test Report (STTR).....	19
43	5.6	EMS installation routine test	19
44	5.6.1	General	19
45	5.6.2	Installation routine test procedure	20
46	5.6.3	Routine tests.....	20
47	5.6.4	Installation Routine Test Report (IRTR).....	21
48	5.7	Periodic re-verification	21
49	5.7.1	General	21
50	5.7.2	Procedure.....	22
51	5.7.3	Re-verification Report (RVR).....	22
52	5.8	Replacement of devices and ancillary components	22
53	5.8.1	General	22
54	5.8.2	Documentation	23
55	5.8.3	Item replacement conformity assessment	23
56	5.8.4	Software	24
57	5.8.5	Programmable parameters.....	24
58	5.8.6	Replacement report	24
59	Annex A (informative)	Test bench	25
60	A.1	General.....	25
61	A.2	Test bench arrangement	25
62		Bibliography	27
63			
64		Figures	
65		Figure 1 — EMS functional structure and dataflow diagram	7
66		Figure 2 — Methods of conformity assessment	11
67		Figure 3 — EMS functions and the related interfaces	13
68		Figure 4 —Overview of EMS installation routine test process	20
69		Figure 5 — Replacement of devices and ancillary components	23
70		Figure A.1 — Test bench arrangement.....	26
71			