

**The Appendix is an integral part of
Certificate of Accreditation No. 22/2022 of 07/01/2022**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

ŠKODA TRANSPORTATION a.s.
Testing Laboratory of Rolling Stock
Emila Škody 2922/1, Jižní Předměstí, 301 00 Plzeň

The Laboratory has a flexible scope of accreditation permitted as detailed in the Annex.

Updated list of activities provided within the flexible scope of accreditation is available at the Laboratory from the Laboratory Manager.

The Laboratory provides expert opinions and interprets test results.

Tests:

Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
1*	Static load test of body and bogie (Measured quantities: - force - relative elongation - length)	ZLDV 01 (TSI LOC&PAS, cl. 4.2.2.4, 4.2.3.5.1; ČSN EN 12663-1+A1; ČSN EN 12663-2; ČSN EN 13749; ČSN 28 1300, cl. 5.2.4; ČSN 28 1310, cl. 9.2.3; ČSN 30 0250, cl. 5.2.12; DVS 1608; DVS 1612; VDV 152; FKM Guideline) ČSN EN 12663-1+A1 ČSN EN 12663-2 ČSN EN 13749 VDV 152	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
2*	Running strength test of body and bogie (Measured quantities: - relative elongation - running velocity)	ZLDV 02 (TSI LOC&PAS, cl. 4.2.2.4, 4.2.3.5.1; ČSN EN 12663-1+A1, cl. 5.6, 6.6.4, 6.6.5, 6.6.6, 6.7.5, 7.3, 8.3c, 9.3.3.4; ČSN EN 12663-2, cl. 6.2, 9.3.3.4; ČSN EN 13749; ČSN 28 1300, cl. 5.2.5; ČSN 28 1310, cl. 9.2.4; ČSN 30 0250, cl. 5.2.12; DVS 1608; DVS 1612;	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)



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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
		VDV 152; FKM Guideline; IIW Recommendations)	
3*	Test of the vehicle adaptability to extreme distortion of the track (Measured quantities: - mass - force - length)	ZLDV 03 (ČSN EN 14363+A1, cl. 6; ČSN 28 1300, cl. 5.2.6; ČSN 28 1310, cl. 9.2.8; TSI LOC&PAS, cl. 4.2.3.4.1)	Railway vehicles Tramway vehicles Special way vehicles (metro)
4*	Test of running characteristics and protection against derailling (Measured quantities: - force - acceleration - running velocity)	ZLDV 04 (ČSN EN 14363+A1, cl. 7; ČSN 28 1310, cl. 9.2.9; TSI LOC&PAS, cl. 4.2.3.4.2, 6.2.3.4; TSI CR LOC&PAS, cl. 4.2.3.4.2; TSI HS RST, cl. 4.2.3.4.1, cl. 4.2.3.4.2; UIC 518 ed. 4) ČSN EN 14363+A1, cl. 7	Railway vehicles Tramway vehicles Special way vehicles (metro)
5*	Determination of equivalent conicity (Measured quantities: - length)	ZLDV 05 (ČSN EN 15302+A1; UIC 519 ed. 1) ČSN EN 15302+A1 UIC 519 ed.1	Railway vehicles Tramway vehicles Special way vehicles (metro)
6*	Run quality test (Measured quantities: - acceleration - running velocity)	ZLDV 06 (ČSN 28 1300, cl. 4.1.6.2, 5.2.7; ČSN 28 1310, cl. 5.1.1.3, 9.2.10; STO SDS OPŽT-05-2010)	Railway vehicles Tramway vehicles Special way vehicles (metro)
7*	Curve passability test (Measured quantities: - length)	ZLDV 07 (TSI CR LOC&PAS, cl. 4.2.3.6; TSI LOC&PAS, cl. 4.2.3.6; TSI HS RST, cl. 4.2.3.7;	Railway vehicles Tramway vehicles Special way vehicles (metro)

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
		ČSN 28 1300, cl. 5.2.8; ČSN 28 1310, cl. 9.2.7; ČSN EN 50215, ed.2; cl. 8.2.2.2, 8.2.2.3)	
8*	Test of auxiliary entrance systems (Measured quantities: - length - force - time - acceleration)	ZLDV 08 (TSI PRM (2008/164/ES), cl. 4.2.2.12.3.3, 4.2.2.12.3.4, 4.2.2.12.3.5, 4.2.2.12.3.6, 4.2.2.12.3.7, 4.2.2.12.3.8, 4.2.2.12.3.9; TSI PRM, cl. 4.2.2.12, 5.3.2.8, 5.3.2.9, 5.3.2.10; ČSN EN 14752, cl. 4.2.2, 4.11, 5.2.2.2, 5.4; VDV 157, cl. 4) ČSN EN 14752, cl. 4.2.2, 4.11, 5.2.2.2, 5.4; VDV 157, cl. 4	Railway vehicles Tramway vehicles Special way vehicles (metro)
9*	Amplitude test (Measured quantities: - length - acceleration)	ZLDV 09 (TNŽ 28 1010, cl. 40)	Railway vehicles Tramway vehicles Special way vehicles (metro)
10*	Noise tests (Measured quantities: - sound pressure level - running velocity - temperature - relative humidity - atmospheric pressure - air flow velocity)	ZLDV 10 (ČSN EN ISO 3381; ČSN EN ISO 3095; ČSN ISO 5128; ČSN 28 1300, cl. 4.1.5, 5.2.9; ČSN 28 1310, cl. 4.12.2, 9.2.14; ČSN 30 0250, cl. 4.2.5, 5.4.10; ČSN EN 15892; ČSN EN 50215, ed.2; cl. 8.19, 9.17; ČSN EN 13129-1:2004, cl. 9.4;	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)



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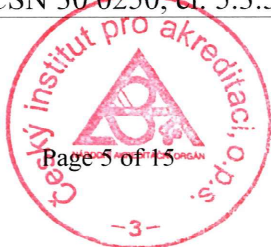
Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
		ČSN EN 13129-2:2005, cl. 8.4; ČSN EN 14750-1, cl. 10.5; ČSN EN 14750-2, cl. 9.3; ČSN EN 14813-1+A1, cl. 10.4; ČSN EN 14813-2+A1, cl. 9.3; ČSN EN 15 153-2; ČSN EN 15153-4; ČSN EN 17285; ECE 51 as amended on 01/ 06/ 1995; ECE 138; UIC 567, cl. 2.1.2.3, 2.1.2.4; UIC 553, cl. 7.2; TSI NOI; TSI LOC&PAS, cl. 2.1 p.c), 4.2.9.1.1 p.2), 4.2.9.3.4 p.5), 4.2.7.2; TSI PRM, (1300/2014), Amendment G VDV 154, cl. 3, 4, 5; OCT 24.050.18-82) ČSN EN ISO 3381 ČSN EN ISO 3095 ČSN ISO 5128 TSI NOI	
11*	Vibration test (Measured quantities: - running velocity - acceleration - time)	ZLDV 11 (ČSN 28 1300, cl. 4.1.6.1, 5.2.10; ČSN 28 1310, cl. 9.2.15; ČSN 30 0250, cl. 4.1.6.1, 5.4.11; ČSN ISO 2631-1; ČSN EN ISO 5349-1;	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)

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Ordinal number ¹	Test procedure/method name	Test procedure/method identification ²	Tested object
		ČSN EN ISO 5349-2, ČSN EN 12299; ČSN EN 50215, ed. 2, cl. 8.19; DIN 5566-1, cl. 6.1.1; OST 24.050.28-81) ČSN EN 12299	
12*	Measurement of leakage currents (Measured quantities: - voltage)	ZLDV 12 (ČSN 30 0250, cl. 5.3.3; ČSN 33 2000-4-41, ed. 3)	Trolley-bus route vehicles
13*	EMC Tests (Measured quantities: - magnetic field intensity - electric field intensity)	ZLDV 13 (ČSN EN 50121-3-1, ed. 4; ČSN EN 50121-2, ed. 4; ČSN EN 50215, ed. 2, cl. 9.15; ČSN 28 1300, cl. 5.3.16; ČSN 28 1310, cl. 9.3.12; ČSN 30 0250, cl. 5.3.11; TSI LOC&PAS, cl. 4.2.3.3.1) ČSN EN 50121-3-1 ed.4 ČSN EN 50121-2 ed.4	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
14*	Test by abrupt changes of supply voltage (Measured quantities: - voltage - current - running velocity)	ZLDV 14 (ČSN EN 50215, ed. 2, cl. 9.16.2, 9.16.3; ČSN 28 1300, cl. 5.3.7; ČSN 28 1310, cl. 9.3.7; ČSN 30 0250, cl. 5.3.4)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
15*	Test by short circuit in the contact line (Measured quantities: - voltage - current - running velocity)	ZLDV 15 (ČSN EN 50215, ed. 2, cl. 9.16.5; ČSN 28 1300, cl. 5.3.8; ČSN 28 1310, cl. 9.3.8; ČSN 30 0250, cl. 5.3.5)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)



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16*	Test by short circuit on a vehicle (Measured quantities: - voltage - current - running velocity)	ZLDV 16 (ČSN 28 1300, cl. 5.3.9.1, 5.3.9.2; ČSN 28 1310, cl. 9.3.9; ČSN 30 0250, cl. 5.3.6; TSI LOC&PAS, cl. 4.2.8.2.10; ČSN EN 50388, ed. 2, cl. 11) ČSN EN 50388 ed.2, cl. 11	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
17*	Measurement of internal excess voltage (Measured quantities: - voltage - running velocity)	ZLDV 17 (TNŽ 28 1010, cl. 61; ČSN 28 1300, cl. 5.3.10; ČSN 28 1310, cl. 9.3.10; ČSN 30 0250, cl. 5.3.7; TSI LOC&PAS, cl. 4.2.8.2.10; ČSN EN 50388, ed. 2, cl. 11) ČSN EN 50388, ed. 2, cl. 11	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
18*	Measurement of voltage drops (Measured quantities: - voltage - current)	ZLDV 18 (ČSN 28 1300, cl. 5.3.11; ČSN 28 1310, cl. 9.3.11; ČSN 30 0250, cl. 5.3.8)	Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
19*	Measurement of traction and braking characteristics (Measured quantities: - running velocity - voltage - current - force)	ZLDV 19 (ČSN EN 50215, ed.2; cl. 9.2; ČSN 28 1310, cl. 9.4.1; TSI LOC&PAS, cl. 4.2.8.1)	Railway vehicles Special way vehicles (metro)
20*	Measurement of energy characteristics (Measured quantities: - running velocity - voltage - current)	ZLDV 20 (ČSN EN 50215, ed.2, cl. 9.3; ČSN 28 1300, cl. 5.3.15; ČSN 28 1310, cl. 9.4.2;	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)

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		ČSN 30 0250, cl. 5.3.10; TSI LOC&PAS, cl. 4.2.8.2)	
21*	Adhesion tests (Measured quantities: - running velocity - voltage - current - force)	ZLDV 21 (ČSN EN 50215, ed.2, cl. 9.2; ČSN 28 1310, cl. 9.4.1; TSI LOC&PAS, cl. 4.2.8.1)	Railway vehicles Tramway vehicles Special way vehicles (metro)
22*	Test of running resistance (Measured quantities: - running velocity)	ZLDV 22 (ČSN EN 50215, ed. 2, cl. 9.6; ČSN 28 1310, cl. 9.4.3; ČSN 30 0250, cl. 5.2.14)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
23*	Tests of drive away and acceleration (Measured quantities: - running velocity - acceleration - voltage - current)	ZLDV 23 (ČSN EN 50215, ed. 2, cl. 9.2; ČSN 28 1300, cl. 5.3.13; ČSN 28 1310, cl. 9.4.6; ČSN 30 0250, cl. 5.4.14, 5.4.15; TSI LOC&PAS, cl. 4.2.8.1)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
24*	Tests of electrodynamic braking (Measured quantities: - running velocity - acceleration - voltage - current - temperature)	ZLDV 24 (ČSN EN 50215, ed. 2, cl. 9.4.1.8; ČSN 28 1300, cl. 5.4.6; ČSN 28 1310, cl. 9.2.20; ČSN 30 0250, cl. 5.4.14; ČSN EN 50388, ed. 2, cl. 15.7; TSI LOC&PAS, cl. 4.2.8.2.3)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
25*	Test of coordination of brakes and braking-down deceleration (Measured quantities:	ZLDV 25 (ČSN EN 50215, ed. 2, cl. 8.12, 9.4; ČSN 28 1300, cl. 5.3.14;	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)

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	- running velocity - acceleration - voltage - current - pressure - force)	ČSN 28 1310, cl. 9.2.21; ČSN 30 0250, cl. 5.4.15; ČSN EN 13452-1; ČSN EN 13452-2; TSI LOC&PAS, cl. 4.2.4.5.2, 4.2.4.5.3) ČSN EN 13452-1 ČSN EN 13452-2	
26*	Test of traction power (Measured quantities: - running velocity - voltage - current)	ZLDV 26 (ČSN 30 0250, cl. 5.4.16; TSI LOC&PAS, cl. 4.2.8.1.2; ČSN EN 50388, ed. 2, cl. 15.3) ČSN EN 50388, ed. 2, cl. 15.3	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
27*	Temperature-rise test of specified electrical equipment (Measured quantities: - running velocity - voltage - current - force - temperature)	ZLDV 27 (ČSN EN 50215, ed. 2, cl. 9.5; ČSN 28 1300, cl. 5.3.12; ČSN 28 1310, cl. 9.4.5; ČSN 30 0250, cl. 5.3.9)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
28*	Compatibility test with track circuits (Measured quantities: current)	ZLDV 28 (ČSN 34 2613 ed.3; ČSN CLC/TS 50238-2) ČSN 34 2613 ed.3 ČSN CLC/TS 50238-2	Railway vehicles
29*	Auxiliary power supply test (Measured quantities: - voltage - current - temperature)	ZLDV 30 (ČSN EN 50215, ed. 2, cl. 8.13.2; ČSN 28 1300, cl. 5.4.1; ČSN 28 1310, cl. 9.5.1; ČSN 30 0250, cl. 5.4.2)	Railway vehicles Tramway vehicles Trolley-bus route vehicles (metro)

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30*	Battery charging system test (Measured quantities: - running velocity - voltage - current)	ZLDV 31 (ČSN EN 50215, ed. 2, cl. 8.14.2; ČSN 28 1300, cl. 5.4.3; ČSN 28 1310, cl. 9.4.9; ČSN 30 0250, cl. 5.4.4)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
31*	Measurement of power consumption (Measured quantities: - running velocity - voltage - current)	ZLDV 32 (ČSN EN 50215, ed. 2, cl. 9.3; ČSN 28 1300, cl. 5.3.15; ČSN 28 1310, cl. 9.4.7; ČSN 30 0250, cl. 5.3.10; ČSN EN 50388, ed. 2, cl. 15.2; TSI LOC&PAS, cl. 4.2.8.2.4, 4.2.8.2.5, 4.2.8.2.6; TSI ENE, cl. 4.2.15, 4.2.16) ČSN EN 50388 ed.2, cl. 15.2	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
32*	Vehicle steering and driving test (Measured quantities: - functional test)	ZLDV 33 (ČSN EN 50215, ed. 2, cl. 8.15.3; ČSN 28 1300, cl. 5.4.2; ČSN 28 1310, cl. 9.5.2; ČSN 30 0250, cl. 5.4.1; TSI LOC&PAS, cl. 4.2.5.2, 4.2.5.3, 4.2.5.4)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
33*	Test of speed control systems (Measured quantities: - running velocity - acceleration - voltage - current)	ZLDV 34 (ČSN EN 50215, ed.2, cl. 9.7)	Railway vehicles



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34*	Test of the working conditions in the driver's cab (Measured quantities: - length - time - Volume - current - voltage - temperature - relative humidity - running velocity - air flow velocity)	ZLDV 35 (ČSN 28 1310, cl. 9.6.1; ČSN EN 50215, ed.2, cl. 8.18.2, 9.19; TSI LOC&PAS, cl. 4.2.9.2.3, 4.2.11.2)	Railway vehicles Tramway vehicles Special way vehicles (metro)
35*	Test of heating, ventilation and air-conditioning systems (Measured quantities: - pressure - time - current - voltage - power - temperature - length - relative humidity - running velocity - air flow velocity - concentration of CO ₂)	ZLDV 36 (ČSN EN 14750-1; ČSN EN 14750-2; ČSN EN 14813-1+A1; ČSN EN 14813-2+A1; ČSN 28 1300, cl. 5.4.9; ČSN 28 1310, cl. 9.5.7, 9.6.1; ČSN 30 0250, cl. 5.4.8; ČSN EN 50215 ed.2, cl. 8.15.5; HS TSI RST, cl. 4.2.7.7; TSI LOC&PAS, cl. 4.2.5.8, 4.2.9.1.7; UIC 553; UIC 553-1; VDV 180/2; VDV 181) ČSN EN 14750-1 ČSN EN 14750-2 ČSN EN 14813-1+A1 ČSN EN 14813-2+A1 UIC 553 UIC 553-1	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)

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36*	Tests of the safety of persons (Measured quantities: - impedance - voltage - current)	ZLDV 37 (ČSN EN 50153, ed.3, cl. 5.3, 6.2, 6.4; ČSN EN 50215, ed. 2, cl. 8.8; ČSN 28 1310, cl. 9.6.2; TSI LOC&PAS, cl. 4.7)	Railway vehicles Tramway vehicles Special way vehicles (metro)
37*	Test of doors (Measured quantities: - time - length - force - sound pressure level)	ZLDV 38 (TSI PRM (1300/2014), cl. 4.2.2.3; TSI LOC&PAS, cl. 4.2.5.5, 4.2.5.6; ČSN EN 14752; VDV 157; ČSN 28 1300, cl. 4.2.8, 5.4.10; ČSN 28 1310, cl. 5.2.3, 9.2.7; ČSN 30 0250, cl. 4.2.6, 5.4.9; ČSN EN 50215, ed. 2, cl. 8.15.4) ČSN EN 14752 VDV 157	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
38*	Test of type time table (Measured quantities: - running velocity - voltage - current)	ZLDV 39 (ČSN EN 50215, ed. 2, cl. 9.3; ČSN 28 1310, cl. 9.4.8)	Railway vehicles Tramway vehicles Special way vehicles (metro)
39*	Test of interior and exterior lighting of vehicles (Measured quantities: - illuminance - length - temperature - time)	ZLDV 40 (ČSN EN 13272:2012; ČSN EN 13272-1; ČSN EN 13272-2; ČSN EN 15153-1+A1:2017; ČSN EN 15 153-1; ČSN 28 1300, cl. 4.3.4, 5.4.8;	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)



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		ČSN 28 1310, cl. 4.11, 9.5.6; ČSN 30 0250, cl. 4.3.4., 5.4.12; ČSN EN 50215, ed.2; cl. 8.15.6; BOStrab; TSI LOC&PAS, cl. 4.2.7.1, 4.2.9.1.8, 4.2.10.4.1; TSI PRM (1300/2014), cl. 4.2.2.4; TSI SRT, cl. 4.2.3.3.1; MoH Regulation No. 102/1995 Coll.) ČSN EN 13272-1 ČSN EN 13272-2 ČSN EN 15153-1+A1:2017 ČSN EN 15153-1	
40*	Operability and maintainability test (Measured quantities: - time - length - voltage)	ZLDV 41 (ČSN 28 1300, cl. 5.4.4, 5.4.5; ČSN 28 1310, cl. 9.6.4; ČSN 30 0250, cl. 5.4.5, 5.4.6; ČSN EN 50215, ed. 2, cl. 8.18)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
41*	Measurement of vehicle weight. (Measured quantities: - mass - pressure)	ZLDV 42 (ČSN EN 15654-2; ČSN EN 15663+A1; ČSN 28 1300, cl. 5.2.1; ČSN 28 1310, cl. 9.2.2; ČSN EN 50215, ed.2, cl. 8.5; TSI LOC&PAS, cl. 4.2.2.10, 4.2.3.2) ČSN EN 15654-2 ČSN EN 15663+A1	Railway vehicles Tramway vehicles Special way vehicles (metro)



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42*	Test of body tightness (Measured quantities: - functional test)	ZLDV 43 (ČSN EN 50215, ed. 2, cl. 8.6; ČSN 28 1300, cl. 5.2.2, 5.2.3; ČSN 28 1310, cl. 9.2.12; ČSN EN 50125-1, ed.2, cl. 4.6; ČSN EN 60721-3-5; ČSN EN 60529)	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
43*	Measurement of wheelset impedance (Measured quantities: - resistance - voltage - current)	ZLDV 44 (TSI HS RST, cl. 4.2.3.3.1; TSI CR LOC&PAS, cl. 4.2.3.3.1.1; TSI LOC&PAS, cl. 4.2.3.3.1.1)	Railway vehicles
44*	Measurement of non-ionizing radiation (Measured quantities: - magnetic induction)	ZLDV 45 (ČSN EN 50500; Council Recommendation 1999/519/EC; Directive 2013/35/EU; Act No. 258/2000 Coll.; MZDR 509/2017-19/OVZ; Government Regulation No. 291/2015 Coll.; ICNIRP 2009; ICNIRP 2010) ČSN EN 50500	Railway vehicles Tramway vehicles Trolley-bus route vehicles Special way vehicles (metro)
45*	Test of auxiliary systems (Measured quantities: - functional test)	ZLDV 46 (ČSN EN 50215, ed. 2, cl. 8.15.7, 8.20)	Railway vehicles Tramway vehicles Special way vehicles (metro)

¹ asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

**The Appendix is an integral part of
Certificate of Accreditation No. 22/2022 of 07/01/2022**

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

ŠKODA TRANSPORTATION a.s.
Testing Laboratory of Rolling Stock
Emila Škody 2922/1, Jižní Předměstí, 301 00 Plzeň

Annex:

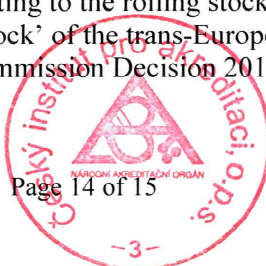
Flexible scope of accreditation

Ordinal numbers of tests
1, 2, 3, 6, 8, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 25, 26, 27, 28, 31, 34, 35, 38, 40, 41, 42, 43, 45

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Explanatory notes:

BOStrab	- Verordnung über den Bau und Betrieb der Straßenbahnen / Ordinance on the Construction and Operation of Tramways (Tram Construction and Operation Order - BOStrab) of 11 December 1987 2nd edition
CLC/TS	- Cenelec/Technical Specifications
DIN	- Deutsche Industrie-Norm (German national standard)
DVS	- Deutscher Verband für Schweißen (German welding association)
ECE	- Economic Commission for Europe
FKM Guideline	- FKM Guideline, ANALYTICAL STRENGTH ASSESSMENT OF COMPONENTS. Made of Steel, Cast Iron and Aluminium Materials in Mechanical Engineering, 6th revised Edition, Forschungskuratorium Maschinenbau (FKM). Frankfurt am Main, 2012
ICNIRP	- International Commission on Non-Ionizing Radiation Protection
IIW Recommendations	- Hobbacher, A.: RECOMMENDATIONS FOR FATIGUE DESIGN OF WELDED JOINTS AND COMPONENTS. International Institute of Welding, doc. IIW-1823-07/XIII-2151r4-07/XV-1254r4-07. Paris, December 2008
MZDR x/OVZ	- Guideline for the procedure pursuant to Sections 35 and 36 of Act No. 258/2000 Coll., on the protection of public health and on the amendment of certain related acts, as amended, and Government Decree no. 291/2015 coll., on the protection of health against non-ionizing radiation
OCT 24.050.18-82	- Система стандартов безопасности труда. Вагоны пассажирские и рефрижераторные. Шумовые характеристики. Нормы и методы измерения (Russian Industrial Standard – System of OHS standards. Passenger and refrigerator cars. Noise characteristics. Measurement standards and methods.)
STO SDS OPŽT-05-2010	- Норм для проектирования, расчета и оценки прочности и динамики механической части вагонов метрополитена колеи 1520 мм“ (Russian Industrial Standard – Standard for design, calculation and evaluation of the strength and dynamics of mechanical parts of vehicles for metro with a gauge of 1,520 mm)
TNŽ	- Technical Standard of Railways
TSI	- Technical Specifications of Interoperability
TSI CR LOC&PAS	- Commission Decision 2011/291/EU concerning a technical specification for interoperability relating to the rolling stock subsystem — ‘Locomotives and passenger rolling stock’ of the trans-European conventional rail system as amended by the Commission Decision 2012/88/EU and 2012/464/EU.



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TSI HS ENE	- Commission Decision 2008/284/EC concerning a technical specification for interoperability relating to the energy sub-system of the trans-European high-speed rail system as amended by the Commission Decision 2012/464/EU, Commission Decision 2011/274/EU concerning a technical specification for interoperability relating to the "energy" subsystem of the trans-European conventional rail system, as amended by the Commission Decision 2012/464/EU.
TSI HS RST	- Commission Decision 2008/232/EC concerning a technical specification for interoperability relating to the rolling stock sub-system of the trans-European high-speed rail system as amended by the Commission Decision 2012/464/EU
TSI ENE	- Commission Regulation (EU) 1301/2014/EU of 18. November 2014 concerning a technical specification for interoperability relating to the energy sub-system of the European rail system
TSI LOC&PAS	- Commission Regulation (EU) No. 1302/2014 of 18 November 2014 concerning a technical specification for interoperability relating to the "rolling stock – locomotives and passenger rolling stock" subsystem of the rail system in the European Union
TSI NOI	- Commission Regulation (EU) No. 1304/2014 of 26 November 2014 on the technical specification for interoperability relating to the subsystem "rolling stock – noise", amending the Decision 2008/232/EC and repealing Decision 2011/229/EU
TSI PRM (1300/2014)	- Commission Regulation (EU) No. 1300/2014 of 18 November 2014 on the technical specifications for interoperability relating to accessibility of the Union's rail system for persons with disabilities and persons with reduced mobility
TSI PRM (2008/164/ES)	- Commission Decision 2008/164/EC concerning the technical specification of interoperability relating to persons with reduced mobility in the trans-European conventional and high-speed rail system as amended by the Commission Decision 2012/464/EU
TSI SRT	- Commission Regulation (EU) No. 1303/2014 of 18 November 2014 concerning the technical specification for interoperability relating to 'safety in railway tunnels' of the rail system of the European Union
UIC	- Union Internationale des Chemins de Fer (Regulations of the International Union of Railways in Paris, France)
VDV	- Verband Deutscher Verkehrsunternehmen (VDV) / Association of German Transport Companies
ZLDV xx	- Test method of the Testing Laboratory of Rolling Stock

