



ORDER

№ A 478
Sofia, 08.11.2023r.

Pursuant to Art. 10, para. 1, item 3 and 4, Art. 28, para. 1 and Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and the relevant item 4.3.7 of BAS QR 2 Accreditation Procedure in connection with open procedure with Reg. No 46/9 OCP/ПА/PO/07.04.2023, evaluation report No 46/9 OCP/ПА/PO/4/B/19.07.2023, annex incoming No 46/9 OCP/ПА/PO/9/B/23.08.2023, witness report incoming No 46/9 OCP/ПА/PO/10/B/30.08.2023 and the opinion of the Accreditation Committee No 46/9 OCP/ПА/PO/11/B/16.11.2023

I RE-ACCREDIT AND I EXTEND THE SCOPE OF ACCREDITATION
of
PRODUCT CERTIFICATION BODY
NOTIFIED BODY AND DESIGNATED BODY
TINSA EOOD, SOFIA

Address of management and office:
Sofia 1113 Iztok District, 3A Nikolay Haytov Street, fl. 4

To perform products certification according to the following scope:

Type of scope: flexible for part of the scope			
No	Product, process, service	Certification scheme	Normative act/standard/Technical specification
1	2	3	4
1.1	European rail system, 'Infrastructure' Subsystem	Commission Decision 2010/713/EU of 09 November 2010, Annex 1 Module CB Module CD Module CF Module CH Module CH1 Module SB Module SD Module SG Module SH1	Ordinance 57 of 09 June 2004 Commission Regulation (EU) No 1299/2014 of 18 November 2014, amended by Regulation (EU) No 2019/776 of 16 May 2019 Regulation (EU) No 1303/2014 of 18 November 2014, amended by Regulation (EU) No 2019/776 of 16 May 2019

			Regulation (EU) No 1300/2014 of 18 November 2014, amended by Regulation (EU) No 2019/772 of 16 May 2019 Commission Decision 2011/275/EU of 26 April 2011, amended by Decision 2012/464/EU БДС EN 13715:2006 БДС EN 13848-1:2003 БДС EN 15273-3:2013 БДС EN 15302:2008 БДС EN 15528:2015 БДС EN 1990/A1:2005 БДС EN 1991-2:2003+ A1:2010 БДС EN 81-70:2004+A1:2006 ISO 3864-1:2011 БДС EN 13674-1:2011 БДС EN 13674-4:2006 БДС EN 13848-5:2008 БДС EN 14067-5:2006 БДС EN 15663:2009+AC:2010 БДС EN 14363:2005 БДС EN 115- 1:2008+A1:2010 БДС EN 12464-2:2014 БДС EN 12464-1:2011 БДС EN 60268-16:2011 ETSI EN 301 462 (2000-03)
1.2	National rail system, 'Infrastructure' Subsystem	Commission Decision 2010/713/EU of 09 November 2010, Annex 1 Module SB Module SD Module SG Module SH1	Ordinance 57 of 09 June 2004 ORDINANCE No 58 of 02 August 2006 Order 562/30 March 2020, issued by the General Director of NRIC and "Table with parameters, involved in the calculation of the structure gauge, distance between trucks and distance to the platforms for ballast railway truck, in relation with the requirements for interoperability, defined by the Infrastructure Manager" "Rules for accessibility to the railway transport for persons with disabilities and persons with reduced mobility, in relation with the requirements of Article 19, p.1 of Regulation (EU) No 1371/2007 and Ordinance No 6 of the Ministry of transport / SN 7 1998" NRIC 2015
2.1	European rail system, 'Energy' Subsystem	Commission Decision 2010/713/EU of 09 November 2010, Annex 1	Ordinance 57 of 09 June 2004 Regulation (EU) No 1301/2014 of

		Module CB Module CH Module CH1 Module SG Module SH1	18 November 2014, amended by Regulation (EU) No 2019/776 of 16 May 2019 Regulation (EU) No 1303/2014 of 18 November 2014, amended by Regulation (EU) No 2019/776 of 16 May 2019 Commission Decision 2011/274/EU of 26 April 2011, amended by Decision 2012/464/EU БДС EN 50119:2009 БДС EN 50122-1:1997 БДС EN 50122-2:1998 БДС EN 50149:2001 БДС EN 50317:2002 БДС EN 50318:2002 БДС EN 50367:2006 БДС EN 50388:2005 БДС EN 50163:2004 БДС EN 50122-1:2011+A1:2011 БДС EN 50149:2012 БДС EN 50367:2012 БДС EN 50388:2012 БДС EN 50317:2012 БДС EN 50463-3:2018 БДС EN 50463-4:2018
2.2	National rail system, 'Energy' Subsystem	Commission Decision 2010/713/EU of 09 November 2010, Annex 1 Module SG Module SH1	Ordinance 57 of 09 June 2004 ORDINANCE No 58 of 02 August 2006 ORDINANCE No 3 of 09 June 2004 TS-RI 007-2019, issued by the NRIC, 2019 INSTRUCTION for operation, routine maintenance and repairing of the overhead contact system 25 kV, 50 Hz, issued by SE NRIC of 01 September 2010 INSTRUCTION ПБ 6.01 for operative management of the electric power system, issued by NRIC, dated 11 November 2022 INSTRUCTION for routine maintenance and repair of the equipment in TSS (traction substations), SP (sectional points) and BPS (backup power stations), issued by the NRIC, 2006
3.1	European rail system, 'Control-Command and Signalling' Subsystem	Commission Decision 2010/713/EU of 09 November 2010, Annex 1 Module CB Module CD Module CF Module CH1 Module SB Module SD Module SF Module SG	Ordinance 57 of 09 June 2004 Commission Regulation (EU) 2016/919 of 27 May 2016, amended by Regulation (EU) No 2019/776 of 16 May 2019 and by Commission Implementing Regulation (EU) 2020/387 of 9 March 2020 Commission Decision 2012/88/EU of 25 January 2012, amended by Decision

		Module SH1	2012/696/EU and by Commission Decision (EU) 2015/14 БДС EN 50125-3:2004 БДС EN 50126-1:2018 БДС EN 50126-2:2018 БДС EN 50128:2011 БДС EN 50128:2011/A1:2020 БДС EN 50129:2004 БДС EN 50159:2010 БДС EN 50159:2010/A1:2020 БДС EN 50617-1:2015 БДС EN 50617-2:2015 БДС EN 50592:2016
3.2	National rail system, 'Control-Command and Signalling' Subsystem	Commission Decision 2010/713/EU of 09 November 2010, Annex 1 Module SB Module SD Module SF Module SG Module SH1	Ordinance 57 of 09 June 2004 Ordinance No 58 of 02 August 2006 Ordinance No 4 of 27 March 1997 TS-RI-002, issued by the NRIC, 2005 TS-RI-003, issued by the NRIC, 2005 TS-RI-006, issued by the NRIC, 2006 TS-RI-017-2010, issued by the NRIC, 2014 TS-RI-021-2011, issued by the NRIC, 2011 TS-RI-024-2012, issued by the NRIC, 2012 RULES for technical operation of the railway infrastructure of the National Railway Infrastructure Company, 2020 INSTRUCTION for train dispatching radio, issued by the NRIC, 2013. Annex No 3-1 MANUAL for operation of the on-board locomotive radio station of the train dispatching radio - RFT, issued by the NRIC, 2013.
4.1	Assessment of Railway Products for 'Safety integrity level' (SIL) *	Scheme 1a БДС EN 50129	БДС EN 50126-1 БДС EN 50126-2 БДС EN 50128 БДС EN 50128/A1 БДС EN 50128/A2 БДС EN 50129 БДС EN 50159 БДС EN 50159/A1

For the area (product), marked with "", leading in of a new version of a standard or standard which amend it is permitted. The CAB presents actual list of the standard with their dated versions.*

ORDINANCE No 57 dated 09 June 2004 for achieving interoperability of the national rail system with the rail system within the European Union, issued by the Minister of Transport and Communications transposing 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

COMMISSION DECISION 2010/713/EU of 09 November 2010 on modules for the procedures for assessment of conformity, suitability for use and EC verification to be used in the technical specifications for interoperability adopted under Directive 2008/57/EC of the European Parliament and of the Council.

COMMISSION DECISION 2011/275/EC, of 26 April 2011 concerning a technical specification for interoperability relating to the 'Infrastructure' subsystem of the trans-European conventional rail system, amended by Decision 2012/464/EU.

REGULATION (EU) No 1299/2014 of 18 November 2014 on the technical specifications for interoperability relating to the 'Infrastructure' subsystem of the rail system in the European Union.

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.

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.

COMMISSION DECISION 2011/274/EU of 26 April 2011 concerning a technical specification for interoperability relating to the 'Energy' subsystem of the trans-European conventional rail system, amended by Decision 2012/464/EU of 14 August 2012.

COMMISSION DECISION 2012/88/EU of 25 January 2012 on the technical specification for interoperability relating to the control-command and signalling subsystems of the trans-European rail system, amended by Commission Decision 2012/696/EU of 06 November 2012 and Commission Decision (EU) 2015/14 of 05 January 2015.

ORDINANCE No 58 of 2 August 2006 concerning the rules of technical operation, train circulation and signalling in the railway transport.

ORDINANCE No 4 of 27 March 1997 for railway level-crossings.

ORDINANCE No 3 of 09 June 2004 on the design of electrical installations and power lines, issued by the Minister of Energy and Energy Resources.

БДC EN 13715: 2006 — Railway applications. Wheelsets and bogies. Wheels. Tread profile.

БДC EN 13848-1:2003- Railway applications. Track. Track geometry quality — Part 1: Characterisation of track geometry.

БДC EN 15273-3:2013 — Railway applications. Gauges. Part 3: Structure gauges.

БДC EN 15302:2008 — Railway applications. Method for determining the equivalent conicity.

БДC EN 15528:2015 — Railway applications. Line categories for managing the interface between load limits of vehicles and infrastructure.

БДC EN 1990/A1:2005 — Eurocode 1 — Basis of structural design — Appendix A1

БДC EN 1991-2:2003+A1:2010 — Eurocode 1 — Actions on structures — Part 2: Traffic loads on bridges.

БДC EN 81-70:2004+A1:2006 — Safety rules for the construction and installations of lifts. Particular applications for passenger and good passengers' lifts. Part 70: Accessibility to lifts for persons including persons with disability.

ISO 3864-1:2011 — Graphical symbols - Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings.

БДC EN 13674-1:2011 — Railway applications. Track. Rail. Part 1: Vignole railway rails 46 kg/m and above.

БДC EN 13674-4:2006 — Railway applications. Track. Rail. Part 4: Vignole railway rails from 27 kg/m to, but excluding 46 kg/m.

БДC EN 13848-5:2008 — Railway applications. Track. Track geometry quality — Part 5: Geometric quality levels. Plain line.

БДC EN 14067-5:2006 — Railway applications. Aerodynamics. Part 5: Requirements and test procedures for aerodynamics in tunnels.

БДC EN 15663:2009+AC:2010 — Railway applications. Definition of vehicle reference masses.

БДC EN 14363:2005 — Railway applications. Testing for the acceptance of running characteristics of railway vehicles. Testing of running behaviour and stationary tests.

БДC EN 50119:2009 — Railway applications. Fixed installations. Electric traction overhead contact lines.

БДC EN 50122-1:1997- Railway applications. Fixed installations. Electrical safety, earthing and the return circuit. Part 1: Protective provisions relating to electrical safety and earthing.

БДC EN 50122-2:1998 — Railway applications. Fixed installations. Electrical safety, earthing and the return circuit. Part 2: Provisions against the effects of stray currents caused by d.c. traction systems.

БДC EN 50149:2001 — Railway applications. Fixed installations. Electric traction. Copper and copper alloy grooved contact wires.

БДC EN 50317:2002 — Railway applications. Current collection systems. Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line.

БДC EN 50318:2002 — Railway applications. Current collection systems. Validation of simulation of the dynamic interaction between pantograph and overhead contact line.

БДC EN 50367:2006 — Railway applications. Current collection systems. Technical criteria for the interaction between pantograph and overhead line (to achieve free access)

БДC EN 50388:2005 — Railway applications. Power supply and rolling stock. Technical criteria for the coordination between power supply (substation) and rolling stock to achieve interoperability.

БДC EN 50163:2004 — Railway applications. Supply voltages of traction systems.

БДC EN 50122-1:2011+A1:2011 — Railway applications. Fixed installations. Electrical safety, earthing and the return circuit. Part 1: Protective provisions against electric shock.

БДC EN 50149:2012 — Railway applications. Fixed installations. Electric traction. Copper and copper alloy grooved contact wires.

БДC EN 50367:2012 — Railway applications. Current collection systems. Technical criteria for the interaction between pantograph and overhead line (to achieve free access).

БДC EN 50388:2012 — Railway applications. Power supply and rolling stock. Technical criteria for the coordination between power supply (substation) and rolling stock to achieve interoperability.

БДC EN 50317:2012 — Railway applications. Current collection systems. Requirements for and validation of measurements of the dynamic interaction between pantograph and overhead contact line.

БДC EN 50125-3:2004 — Railway applications. Environmental conditions for equipment. Part 3: Equipment for signalling and telecommunications.

БДC EN 50126-1:2018 — Railway applications. The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS). Part 1: Generic RAMS Process.

БДC EN 50128:2011 — Railway applications — Communication, signalling and processing systems — Software for railway control and protection systems.

БДC EN 50129:2004 — Railway applications — Communication, signalling and processing systems — Safety related electronic systems for signalling.

БДC EN 50159:2010 — Railway applications — Communication, signalling and processing systems — Safety-related communication in transmission systems.

TS-RI-007-2019 — Technical Specification. Electrical power supply of the traction vehicles 25 kV, 50 Hz subsystem. Overhead contact system. Pantographs. Mechanical interaction between pantograph and catenary, issued by the NRIC, 2019

TS-RI-002-2005 — Automatic level-crossing devices. issued by the NRIC on 24 November 2005.

TS-RI-003-2005 — Road traffic lights on level crossings. issued by the NRIC on 24 November 2005 — replaced by TSRI-21.

TS-RI-006-2006 — Barrier's devices. issued by the NRIC on 23 August 2006.

REGULATION (EU) No 1301/2014 of 18 November 2014 on the technical specifications for interoperability relating to the 'Energy' subsystem of the rail system in the Union.

БДC EN 115-1:2008+A1:2010 — Safety of escalators and moving walks. Part 1: Construction and installation.

БДC EN 12464-2:2014 Light and lighting. Lighting of work places. Part 2: Outdoor work places.

БДC EN 12464-1:2011 Light and lighting. Lighting of work places. Part 1: Indoor work places.

БДC EN 60268-16:2011 Sound system equipment. Part 16: Objective rating of speech intelligibility by speech transmission index

TS-RI-021-2011 — Road traffic lights on level crossings. issued by the NRIC on 31 January 2011.

REGULATION (EU) 2016/919 of 27 May 2016 on the technical specification for interoperability relating to the 'Control-command and signalling' subsystems of the rail system in the European Union.

TS-RI-017-2010 — Road traffic lights. issued by the NRIC on 11 December 2014.

TS-RI-024-2012 — Route-computer interlocking. issued by the NRIC on 06 July 2012.

Commission Implementing Regulation (EU) 2019/776 of 16 May 2019 amending Commission Regulations (EU) No 321/2013, (EU) No 1299/2014, (EU) No 1301/2014, (EU) No 1302/2014, (EU) No 1303/2014 and (EU) 2016/919 and Commission Implementing Decision 2011/665/EU as regards the alignment with Directive (EU) 2016/797 of the European Parliament and of the Council and the implementation of specific objectives set out in Commission Delegated Decision (EU) 2017/1474.

Commission Implementing Regulation (EU) 2019/772 of 16 May 2019 amending Regulation (EU) No 1300/2014 as regards inventory of assets with a view to identifying barriers to accessibility, providing information to users and monitoring and evaluating progress on accessibility.

Commission Implementing Regulation (EU) 2020/387 of 9 March 2020 amending Regulations (EU) No 321/2013, (EU) No 1302/2014 and (EU) 2016/919 as regards the extension of the area of use and transition phases.

БДC EN 50126-2:2018 — Railway applications. The Specification and Demonstration of Reliability, Availability, Maintainability and Safety (RAMS). Part 2: Systems Approach to Safety.

БДC EN 50129:2019 — Railway applications. Communication, signalling and processing systems. Safety related electronic systems for signalling.

БДC EN 50128:2011/A1:2020 — Railway applications. Communication, signalling and processing systems. Software for railway control and protection systems.

БДC EN 50159:2010/A1:2020 — Railway applications. Communication, signalling and processing systems. Software for railway control and protection systems.

ETSI EN 301 462 (2000-03) — Human factors (HF; Symbols to identify telecommunication facilities for deaf and hard of hearing people.

БДC EN 50463-3:2018 — Railway applications. Energy measurement on board trains. Part 3: Data handling.

БДC EN 50463-4:2018 — Railway applications. Energy measurement on board trains. Part 4: Communication.

БДC EN 50617-1:2015 — Railway applications - Technical parameters of train detection systems for the interoperability of the trans-European railway system - Part 1: Track circuits.

БДC EN 50617-2:2015/AC:2016 — Railway Applications - Technical parameters of train detection systems for the interoperability of the trans-European railway system - Part 2: Axle counters.

БДC EN 50592:2016 — Railway applications - Testing of rolling stock for electromagnetic compatibility with axle counters.

БДC EN 50128:2011/A2:2021 — Railway applications - Communication, signaling and processing systems - Software for railway control and protection systems.

I HEREBY ORDER

To issue the Certificate of accreditation reg. №9 ОСП, of 08.11.2023 valid until 08.11.2027 and this order enclosed as an integral part of it.

The Certificate of accreditation with the enclosure should be obtained from manager / representative of the TINSA Ltd, Sofia, the head of the conformity assessment body or another authorized person in the building of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited CAB is obliged to return to EA BAS the originals of Certificate of accreditation reg. №9 ОСП, dated 30 September 2021, valid until 15 November 2023 and the enclosure Order for accreditation №A605/30.09.2021 of EA BAS.

This Order should be notified to TINSA Ltd, Sofia, within 3 (three) days from its issuance.

Eng. IRENA BORISLAVOVA
EXECUTIVE DIRECTOR
Executive Agency Bulgarian Accreditation Service

