



NÁRODNÍ AKREDITAČNÍ ORGÁN

EA MLA Signatory  
Český institut pro akreditaci, o.p.s.  
Olšanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

## CERTIFICATE OF ACCREDITATION

No. 342/2020

**Výzkumný Ústav Železniční, a.s.**  
**with registered office Novodvorská 1698, 142 01 Praha 4 - Braník, Company Registration No.**  
**27257258**

to the Certification Body No. 3149  
VUZ Certification Body for Products

Scope of accreditation:

Certification and assessment of conformity of rolling stock and rolling stock components, rail tracks and rail track components within the meaning of Act on Railways and respective implementing regulations to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17065:2013

In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 168/2019 of 11. 4. 2019, or any administrative acts building upon it.

This Certificate is valid until: **15. 11. 2022**

Prague: 27. 5. 2020



*J. Růžička*  
**Jiří Růžička**  
Director  
Czech Accreditation Institute  
Public Service Company

**The Appendix is an integral part of  
Certificate of Accreditation No. 342/2020 of 27/05/2020**

**Accredited entity according to ČSN EN ISO/IEC 17065:2013:**

**Výzkumný Ústav Železniční, a.s.**  
VUZ Certification Body for Products  
Novodvorská 1698, 142 01 Praha 4 - Braník

**Material products**

| Ordinal number <sup>1)</sup> | Product/Product group name                                                    | Certification scheme                               | Specification of standards (normative documents)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. *)                        | Union rail system – Infrastructure subsystem                                  | ČSN EN ISO/IEC 17067:2014<br>Scheme 1a<br>Scheme 5 | Gov. Regulation No. 375/2017 Coll.;<br>MoI Decree No. 23/2008 Coll.;<br>MoRD Decree No. 398/2009 Coll.;<br>MoT Decree No. 294/2015 Coll.;<br>ČSN EN 81-70 ed. 2;<br>ČSN EN 115-2;<br>ČSN EN 1436;<br>ČSN EN 1838;<br>ČSN ISO 3864-1;<br>ČSN EN 12464-1;<br>ČSN EN 12464-2;<br>ČSN EN 13201-2;<br>ČSN EN 16584-1;<br>ČSN EN 16584-2;<br>ČSN EN 16584-3;<br>ČSN EN 50849;<br>ČSN EN 60598-2-22;<br>ČSN 73 0802;<br>ČSN 73 4130;<br>ČSN 73 6110;<br>ČSN 73 4959;<br>ČSN 73 6320;<br>ČSN 73 6360-1;<br>ČSN 73 6360-2;<br>ČSN 73 6380;<br>ČSN 73 7508;<br>ČSN 74 3305;<br>ČSN 74 4505;<br>ČSN P ISO 21542;<br>TNŽ 73 6390;<br>SŽDC Directive No. 118;<br>SŽDC Directive D 1;<br>SŽDC Directive D 3;<br>SŽDC Directive S 3, amendment No. 3;<br>SŽDC Directive S 3/2;<br>SŽDC Directive S 10;<br>Sample sheets of rail substructure Ž 8.7, amendment 2 |
| 2. *)                        | Union rail system – Energy subsystem                                          | ČSN EN ISO/IEC 17067:2014<br>Scheme 1a<br>Scheme 5 | ČSN 34 1530 ed. 2;<br>ČSN EN 50119 ed. 2;<br>ČSN EN 50122-1 ed. 2;<br>ČSN EN 50149 ed. 2;<br>ČSN EN 50163 ed. 2;<br>ČSN EN 50367 ed. 2;<br>ČSN EN 50388 ed. 2;<br>ČSN EN 50317 ed. 2;<br>ČSN EN 50318;<br>ČSN EN 50463-3 ed. 2;<br>ČSN EN 50463-4 ed. 2;<br>ČSN 34 1500 ed. 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 3. *)                        | Union rail system – subsystems:<br>• Trackside control-command and signalling | ČSN EN ISO/IEC 17067:2014<br>Scheme 1a             | ČSN 342613 ed. 3;<br>ČSN 342614 ed. 3;<br>ČSN 342617;<br>ČSN 342650 ed. 2;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



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VUZ Certification Body for Products  
Novodvorská 1698, 142 01 Praha 4 - Braník

| Ordinal number <sup>1)</sup> | Product/Product group name                                                            | Certification scheme                                  | Specification of standards (normative documents)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <ul style="list-style-type: none"> <li>On-board control-command signalling</li> </ul> | Scheme 5                                              | ČSN EN 50121-3-1 ed. 4;<br>ČSN EN 50121-3-2 ed. 4;<br>ČSN EN 50121-4 ed. 4;<br>ČSN EN 50125-1 ed. 2;<br>ČSN EN 50125-3;<br>ČSN EN 50126-1;<br>ČSN EN 50126-1 ed. 2;<br>ČSN EN 50126-2;<br>ČSN EN 50128 ed. 2;<br>ČSN EN 50129;<br>ČSN EN 50129 ed. 2;<br>ČSN EN 50155 ed. 3;<br>ČSN EN 50155 ed. 4;<br>ČSN EN 50159;<br>ČSN EN 50238-1;<br>ČSN CLC/TS 50238-2;<br>ČSN CLC/TS 50238-3;<br>TNŽ 34 2620;<br>SŽDC Directive No. 34/2007;<br>SŽDC Directive No. 35/2010;<br>SŽDC (ČD) Directive No. D 1;<br>SŽDC Directive D 3;<br>SŽDC PPD-2/2018;<br>20009/2018-SŽDC-GŘ06;<br>DUCR-66181/19/Bv;                   |
| 4. *)                        | Union rail system – Rolling stock subsystem                                           | ČSN EN<br>ISO/IEC 17067:2014<br>Scheme 1a<br>Scheme 5 | ČSN 281310<br>ČSN 342600 ed. 2;<br>ČSN 342613 ed. 3;<br>ČSN 362324;<br>ČSN 420363;<br>ČSN 420382;<br>ČSN 420467;<br>ČSN ISO 2631-1<br>ČSN EN ISO 643<br>ČSN EN ISO 945-1<br>ČSN EN 148-1;<br>ČSN EN 280+A1<br>ČSN EN 12184 ed. 2<br>ČSN EN 12972<br>ČSN EN 12080;<br>ČSN EN 13272;<br>ČSN EN 13298<br>ČSN EN 13775-1;<br>ČSN EN 13775-2;<br>ČSN EN 13775-3;<br>ČSN EN 13775-4;<br>ČSN EN 13775-5;<br>ČSN EN 13775-6;<br>ČSN EN 13848-1+A1<br>ČSN EN 15746-1+A1<br>ČSN EN 15746-2+A1<br>ČSN EN 50121-1 ed. 4;<br>ČSN EN 50121-2 ed. 4;<br>ČSN EN 50155 ed. 3;<br>ČSN EN 50206-1 ed. 2;<br>ČSN EN 50206-2 ed. 2; |

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VUZ Certification Body for Products  
Novodvorská 1698, 142 01 Praha 4 - Braník

| Ordinal number <sup>1)</sup> | Product/Product group name | Certification scheme | Specification of standards (normative documents)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------|----------------------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              |                            |                      | ČSN EN 50238-1;<br>ČSN EN ISO 2639;<br>ČSN EN ISO 3887;<br>ČSN EN ISO 5349-1;<br>ČSN EN ISO 6892-1;<br>ČSN EN ISO 9001;<br>UIC 140;<br>UIC 510-3;<br>UIC 515-4;<br>UIC 517;<br>UIC 518;<br>UIC 520;<br>UIC 526-1;<br>UIC 526-2;<br>UIC 527-1;<br>UIC 528;<br>UIC 530-2;<br>UIC 533;<br>UIC 541-05;<br>UIC 541-3;<br>UIC 541-4;<br>UIC 543;<br>UIC 547;<br>UIC 550;<br>UIC 550-2;<br>UIC 552;<br>UIC 555;<br>UIC 566;<br>UIC 615-4;<br>UIC 821;<br>UIC 822;<br>UIC 825;<br>UIC 826;<br>UIC 827-1;<br>UIC 827-2;<br>UIC 828;<br>UIC 833;<br>TNŽ 28 2601;<br>TNŽ 28 2610;<br>TNŽ 28 2611;<br>TNŽ 28 2613;<br>TNŽ 28 2604;<br>TNŽ 28 2624;<br>TNŽ 28 4201;<br>TNŽ 28 4202;<br>TNŽ 28 4203;<br>TNŽ 28 4205;<br>TNŽ 28 4210;<br>TNŽ 28 4211;<br>TNŽ 28 4212;<br>TNŽ 28 4214;<br>TNŽ 28 4216;<br>TNŽ 28 4217;<br>TNŽ 28 4220;<br>TNŽ 28 4221;<br>TNŽ 28 4222; |



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| Ordinal number <sup>1)</sup> | Product/Product group name | Certification scheme | Specification of standards (normative documents)                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------|----------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              |                            |                      | TNŽ 28 4228;<br>TNŽ 28 4243;<br>TNŽ 28 4244;<br>TNŽ 28 4245;<br>TNŽ 28 5410;<br>TNŽ 28 7204;<br>ERRI Report No. B12/DT135;<br>ERRI Report No. B12/RP17;<br>ERRI Report No. B153/RP21;<br>ERRI Report No. B51/RP27;<br>ORE Report No. B55/RP8;<br>ORE Report No. C138/RP9;<br>EN 13261+A1;<br>EN 15302+A1;<br>EN 45545-1;<br>EN 45545-3;<br>EN 50163 ed. 2;<br>EN 50215 ed. 2;<br>UIC 413;<br>UIC 565-3;<br>UIC 580;<br>UIC 627-2;<br>UIC 651;<br>UIC 779-9 |

- <sup>1)</sup> Asterisk at the ordinal number identifies that within the scope of accreditation, the certification body is allowed to include new/updated/revised normative documents from time to time. Updated list of normative documents provided within the flexible scope of accreditation is available in the Certification Body (from the Certification Body Manager and on the website of Certification Body).



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**Accreditation for authorization/notification purposes**

For conformity assessment purposes in the area of interoperability, Certification Body fulfils the requirements set in part 2.B: Requirements of Technical Document Requirements for Conformity Assessment Bodies Seeking Notification) MNB - Assessment scheme, 000MRA1044 ver 1.1.

| Ordinal number <sup>1)</sup> | Product/Product group name                                                                                                                                                  | Conformity assessment procedure/module                                                                 | Basic requirements: Product specifications/ characteristics/technical standards <sup>2)</sup>                                                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. *)</b>                 | <b>Interoperability of Union rail system under Act No. 266/1994 Coll. as amended by Act. No. 367/2019 Coll. transposing the Directive (EU) 2016/797</b>                     |                                                                                                        |                                                                                                                                                                                                                                         |
| 1.1                          | Union rail system – Infrastructure subsystem                                                                                                                                | Commission Decision 2010/713/EU<br>modules CA1<br>CA2<br>CB<br>CD<br>CH<br>CH1<br>CF<br>SH1<br>SG      | Regulations<br>(EU) č. 1299/2014;<br>(EU) č. 1300/2014;<br>(EU) č. 1303/2014;<br>(EU) 2016/912;<br>(EU) 2019/772;<br>(EU) 2019/776                                                                                                      |
| 1.2                          | Union rail system – Energy subsystem                                                                                                                                        | Commission Decision 2010/713/EU<br>modules CB<br>CC<br>CH<br>CH1<br>SH1<br>SG                          | Regulations<br>(EU) č. 1301/2014<br>(EU) č. 1303/2014;<br>(EU) 2016/912;<br>(EU) 2018/868;<br>(EU) 2019/776                                                                                                                             |
| 1.3                          | Union rail system – subsystems: <ul style="list-style-type: none"> <li>• Trackside control-command and signalling</li> <li>• On-board control-command signalling</li> </ul> | Commission Decision 2010/713/EU<br>modules CB<br>CD<br>CH1<br>CF<br>SB<br>SD<br>SH1<br>SF<br>SG        | Regulations<br>(EU) 2016/919;<br>(EU) 2017/6;<br>(EU) 2019/776;<br>(EU) 2020/387;<br>(EU) č. 1303/2014<br>(EU) 2016/912                                                                                                                 |
| 1.4                          | Union rail system – Rolling stock subsystem                                                                                                                                 | Commission Decision 2010/713/EU<br>modules CA1<br>CA2<br>CB<br>CD<br>CH<br>CH1<br>CF<br>GV<br>SB<br>SD | Regulations<br>(EU) č. 321/2013;<br>(EU) č. 1236/2013;<br>(EU) č. 1300/2014;<br>(EU) č. 1302/2014;<br>(EU) č. 1303/2014;<br>(EU) č. 1304/2014;<br>(EU) 2015/924;<br>(EU) 2016/912;<br>(EU) 2016/919<br>(EU) 2018/868;<br>(EU) 2019/772; |



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| Ordinal number <sup>1)</sup> | Product/Product group name                                                                                                                                                  | Conformity assessment procedure/module                                                            | Basic requirements: Product specifications/ characteristics/technical standards <sup>2)</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              |                                                                                                                                                                             | SH1<br>SF<br>SG                                                                                   | (EU) 2019/774;<br>(EU) 2019/776;<br>(EU) 2020/387                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.5                          | Union rail system – Infrastructure subsystem                                                                                                                                | Commission Decision 2010/713/EU<br>modules CA1<br>CA2<br>CB<br>CD<br>CH<br>CH1<br>CF<br>SH1<br>SG | ÚNMZ notification No. 20/15 in ÚNMZ Journal No. 2/2015 – List of national technical rules for INS; MoT Decree No. 177/1995 Coll.; MoT Decree No. 100/1995 Coll.                                                                                                                                                                                                                                                                                                                                                                                      |
| 1.6                          | Union rail system – Energy subsystem                                                                                                                                        | Commission Decision 2010/713/EU<br>modules CB<br>CC<br>CH<br>CH1<br>SH1<br>SG                     | ÚNMZ notification No. 20/15 in ÚNMZ Journal No. 2/2015 – List of national technical rules for ENE                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.7                          | Union rail system – subsystems: <ul style="list-style-type: none"> <li>• Trackside control-command and signalling</li> <li>• On-board control-command signalling</li> </ul> | Commission Decision 2010/713/EU<br>modules CB<br>CD<br>CH1<br>CF<br>SB<br>SD<br>SH1<br>SF<br>SG   | ÚNMZ notification No. 20/15 in ÚNMZ Journal No. 2/2015 – List of national technical rules for CCS; ČSN EN 50121-3-2 ed. 4; ČSN EN 50121-4 ed. 4; ČSN EN 50125-1 ed. 2; ČSN EN 50125-3; ČSN EN 50126-1; ČSN EN 50126-1 ed. 2; ČSN EN 50126-2; ČSN EN 50128 ed. 2; ČSN EN 50129; ČSN EN 50129 ed. 2; ČSN EN 50159; ČSN 34 2613 ed. 3; ČSN 34 2614 ed. 3; ČSN 34 2617; ČSN 34 2650 ed. 2; ČSN CLC/TS 50 238-2; ČSN CLC/TS 50 238-3; TNŽ 34 2620; SŽDC Directive No. 35; SŽDC (ČD) Directive D1; SŽDC PPD-2/2018; 20009/2018-SŽDC-GR06; DUCR-66181/19/Bv |

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| Ordinal number <sup>1)</sup> | Product/Product group name                  | Conformity assessment procedure/module                                                                                    | Basic requirements: Product specifications/ characteristics/technical standards <sup>2)</sup>                                                                                                                          |
|------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.8                          | Union rail system – Rolling stock subsystem | Commission Decision 2010/713/EU<br>modules CA1<br>CA2<br>CB<br>CD<br>CH<br>CH1<br>CF<br>CV<br>SB<br>SD<br>SH1<br>SF<br>SG | ÚNMZ notification No. 20/15 in ÚNMZ Journal No. 2/2015 – List of national technical rules for RST; ERA/TD/2010-01/XA, version 3.0:2014; MoT Decree No. 100/1995 Coll.; MoT Decree No. 173/1995 Coll.; ČSN EN ISO 17351 |

- <sup>1)</sup> Asterisk at the ordinal number identifies that within the scope of accreditation, the Certification Body is allowed to include new/updated/revised technical specifications listed in the relevant conformity assessment procedure for the assessment of conformity with safety requirements. The precondition is that the product area, regulations and conformity assessment procedure must not change. Current list of activities based on the flexible scope of accreditation is available from the Certification Body (on the website of the Certification Body [www.cdvuz.cz](http://www.cdvuz.cz)).
- <sup>2)</sup> Updated list of standards / normative documents is available in the Certification Body (from the Certification Body Manager).

**Explanations and abbreviations:**

|            |                                                                                                                                       |
|------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Directive  | Directive of the European Parliament and of the Council                                                                               |
| Regulation | (implementing) Commission Regulation                                                                                                  |
| ÚNMZ       | Úřad pro technickou normalizaci, metrologii a státní zkušebnictví (Office for Technical Standardisation, Metrology and State Testing) |

