



EA MLA Signatory  
Český institut pro akreditaci, o.p.s.  
Hájkova 2747/22, Žižkov, 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. 556/2024

UNIS, a.s.  
with registered office Jundrovská 1035/33, Komín, 624 00 Brno,  
Company Registration No. 00532304

for the Testing Laboratory No. 1706  
VTP UNIS Testing Laboratory

Scope of accreditation:

Performance of electromagnetic compatibility tests, vibration and shock tests, and climatic tests 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 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Conformity Assessment Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited 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.: 418/2023 of 07/08/2023, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **18/10/2029**

Prague: 18/10/2024



Jan Velíšek  
Director of the Department  
of Testing and Calibration Laboratories  
Czech Accreditation Institute

**The Annex is an integral part of  
Certificate of Accreditation No: 556/2024 of 18/10/2024**

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

**UNIS, a.s.**  
CAB number 1706, VTP UNIS Testing Laboratory  
Sochorova 3232/34, 616 00 Brno-Žabovřesky

*Detailed information on activities within the scope of accreditation (source literature) is given in the section „Specification of the scope of accreditation“.*

**Tests:**

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
<b>1</b>	<b>Electromagnetic compatibility tests</b>			
1.1	Electrostatic discharge – immunity test	ČSN EN 61000-4-2 ed. 2; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4	Electrical and electronic equipment	-
1.2	Electrostatic discharge – immunity test	ISO 10605 ed. 3	Vehicle subassemblies	-
1.3	Radiated electromagnetic field - immunity test	ČSN EN IEC 61000-4-3 ed. 4; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4	Electrical and electronic equipment	-
1.4	Radiated electromagnetic field - immunity test	ISO 11452-1 ed. 4; ISO 11452-2 ed. 3	Vehicle subassemblies	-
1.5	Radio-frequency susceptibility - immunity test	RTCA/DO160G, S20	Airborne equipment	-
1.6	Conducted disturbances, induced by radio-frequency fields - immunity test	ČSN EN IEC 61000-4-6 ed. 5; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4	Electrical and electronic equipment	-
1.7	Conducted disturbances, induced by radio-frequency fields - immunity test	ISO 11452-1 ed. 4; ISO 11452-4 ed. 5	Vehicle subassemblies	-
1.8	Conducted susceptibility, bulk cable injection – immunity test	MIL-STD-461G, CS114	Military subsystems and equipment	-
1.9	Measurement of terminal voltage disturbance/ measurement of current disturbance	ČSN EN 55011 ed. 4, cl. 6.1, 6.2.1, 6.3.1; ČSN EN 55032 ed. 2, cl. 6, 9, 11 Annex A.3, Tab. A8.1 and A8.3; ČSN EN 55016-2-1 ed. 3, cl. 7; ČSN EN IEC 61000-6-3 ed. 3; ČSN EN IEC 61000-6-4 ed. 3; ČSN EN IEC 61000-6-8	Electrical and electronic equipment	-



**The Annex is an integral part of  
Certificate of Accreditation No: 556/2024 of 18/10/2024**

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

**UNIS, a.s.**  
CAB number 1706, VTP UNIS Testing Laboratory  
Sochorova 3232/34, 616 00 Brno-Žabovřesky

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
1.10	Measurement of terminal voltage disturbance/ measurement of current disturbance	ČSN EN IEC 55025 ed. 3, cl. 6.3, 6.4	Vehicle subassemblies, airborne equipment, military subsystems and equipment	-
1.11	Measurement of conducted emission	MIL-STD-461G, CE102	Military subsystems and equipment	-
1.12	Measurement of radiated disturbances	ČSN EN 55011 ed. 4 cl. 6.1, 6.2.2 a 6.3.2; ČSN EN 55032 ed. 2, cl. 6, 9, 11, Annex A.2, Tab. A1.1 and A1.3; ČSN EN 55016-2-3 ed. 4, cl. 7.3 and 7.6; ČSN EN IEC 61000-6-3 ed. 3; ČSN EN IEC 61000-6-4 ed. 3; ČSN EN IEC 61000-6-8	Electrical and electronic equipment	-
1.13	Measurement of radiated disturbances	ČSN EN IEC 55025 ed. 3, cl. 6.5	Vehicle subassemblies	-
1.14	Measurement of radio-frequency energy emission	RTCA/DO160G, S21	Airborne equipment	-
1.15	Measurement of radiated emission	MIL-STD-461G, RE102	Military subsystems and equipment	-
1.16	Electrical fast transient/burst - immunity test	ČSN EN 61000-4-4 ed. 3; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4	Electrical and electronic equipment	-
1.17	Surge - immunity test	ČSN EN 61000-4-5 ed.3; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4	Electrical and electronic equipment	-
1.18	Voltage dips, short interruptions and voltage variations - immunity test	ČSN EN IEC 61000-4-11 ed. 3; ČSN EN IEC 61000-6-1 ed. 3; ČSN EN IEC 61000-6-2 ed. 4	Electrical and electronic equipment	-



**The Annex is an integral part of  
Certificate of Accreditation No: 556/2024 of 18/10/2024**

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

**UNIS, a.s.**  
CAB number 1706, VTP UNIS Testing Laboratory  
Sochorova 3232/34, 616 00 Brno-Žabovřesky

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
1.19	Measurement of harmonic components of power frequency current	ČSN EN IEC 61000-3-2 ed. 3	Single-phase electrical and electronic equipment up to 10A	-
1.20	Measurement of voltage changes, voltage fluctuations and flicker	ČSN EN 61000-3-3 ed. 3	Single-phase electrical and electronic equipment up to 10A	-
<b>2</b>	<b>Mechanical vibration and shock tests</b>			
2.1	Sinusoidal vibration test	ČSN EN 60068-2-6 ed. 2	Mechanical, electrical and electronic components, parts and products	-
2.2	Shock test	ČSN EN 60068-2-27 ed. 2	Mechanical, electrical and electronic components, parts and products	-
2.3	Broadband random vibration test	ČSN EN 60068-2-64 ed. 2	Mechanical, electrical and electronic components, parts and products	-
2.4	Combined climatic (temperature/humidity) and dynamic (vibrations/shocks) tests	ČSN EN 60068-2-53	Mechanical, electrical and electronic components, parts and products	-



The Annex is an integral part of  
Certificate of Accreditation No: 556/2024 of 18/10/2024

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

UNIS, a.s.  
CAB number 1706, VTP UNIS Testing Laboratory  
Sochorova 3232/34, 616 00 Brno-Žabovřesky

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
2.5	Vibrations in mixed mode test	ČSN EN 60068-2-80	Mechanical, electrical and electronic components, parts and products	-
2.6	Resistance test - operational shocks	RTCA/DO160G S7, cl. 7.2	Airborne equipment	-
2.7	Test of resistance to vibrations	RTCA/DO160G S8	Airborne equipment	-
<b>3</b>	<b>Climatic tests</b>			
3.1	Cold test	ČSN EN 60068-2-1 ed. 2	Mechanical, electrical and electronic components, parts and products	-
3.2	Dry heat test	ČSN EN 60068-2-2	Mechanical, electrical and electronic components, parts and products	-
3.3	Change of temperature test	ČSN EN IEC 60068-2-14 ed. 3, except cl. 9	Mechanical, electrical and electronic components, parts and products	-
3.4	Damp heat test, cyclic	ČSN EN 60068-2-30 ed. 2	Mechanical, electrical and electronic components, parts and products	-



**The Annex is an integral part of  
Certificate of Accreditation No: 556/2024 of 18/10/2024**

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

**UNIS, a.s.**  
CAB number 1706, VTP UNIS Testing Laboratory  
Sochorova 3232/34, 616 00 Brno-Žabovřesky

Ordinal number <sup>1</sup>	Test procedure / method name	Test procedure / method identification <sup>2</sup>	Tested subject	Degrees of freedom <sup>3</sup>
3.5	Composite temperature/humidity cyclic test	ČSN EN IEC 60068-2-38 ed. 2	Mechanical, electrical and electronic components, parts and products	-
3.6	Damp heat, steady state test	ČSN EN 60068-2-78 ed. 2	Mechanical, electrical and electronic components, parts and products	-
3.7	Temperature resistance test	RTCA/DO-160G S4, cl. 4.5	Airborne equipment	-
3.8	Temperature variation resistance test	RTCA/DO-160G S5	Airborne equipment	-
3.9	Humidity resistance test	RTCA/DO-160G S6	Airborne equipment	-

<sup>1</sup> asterisk at the ordinal number identifies the tests, which the laboratory is qualified to carry out outside the permanent laboratory premises

<sup>2</sup> 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 valid edition of the specified procedure is used (including any changes)

<sup>3</sup> the laboratory does not apply a flexible approach to the scope of accreditation

**Specification of the scope of accreditation:**

Ordinal test number	Detailed information on activities within the scope of accreditation (source literature)
1.5, 1.14, 2.6, 2.7, 3.7, 3.8, 3.9	RTCA/DO-160G: RTCA, Inc. Document number 160: Environmental Conditions and Test Procedures for Airborne Equipment, issue G, standard for the environmental testing of avionics hardware.
1.8, 1.11, 1.15	MIL-STD-461G: Department of Defense Interface Standard: Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment.

*"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."*

