

**Anlage zur Akkreditierungsurkunde DAT-P-266/07-00 vom 15.12.2007**  
**Annex to the accreditation certificate**

Seite/page 1/4

Inhaber der Akkreditierungsurkunde:  
*Holder of this accreditation certificate:*

**Research-Development and Testing National Institute for Electrical Engineering**  
**ICMET CRAIOVA**  
**Calea Bucuresti No. 144**  
**200515 CRAIOVA**  
**Romania**

Der Geltungsbereich der Akkreditierung erstreckt sich auf die nachstehend genannten Gebiete und zugehörigen Prüfbereiche:

*The scope of this accreditation indicates:*

Standard	Description
<b>EMC-Laboratory</b>	
<b>Basic Standards</b>	
IEC 61000-4-2 EN 61000-4-2 DIN EN 61000-4-2	Electromagnetic compatibility (EMC) – Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test.
IEC 61000-4-3 <sup>1)</sup> EN 61000-4-3 <sup>1)</sup> DIN EN 61000-4-3 <sup>1)</sup>	Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test.
<sup>1)</sup> Only up to 3 V/m / nur bis 3 GHz.	
IEC 61000-4-4 EN 61000-4-4 DIN EN 61000-4-4	Electromagnetic compatibility (EMC) – Part 4-4: Testing and measurement techniques – Electrical fast transient/burst immunity test.
IEC 61000-4-5 EN 61000-4-5 DIN EN 61000-4-5	Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test.
IEC 61000-4-6 EN 61000-4-6 DIN EN 61000-4-6	Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields.
IEC 61000-4-8 EN 61000-4-8 DIN EN 61000-4-8	Electromagnetic compatibility (EMC) – Part 4-8: Testing and measurement techniques – Power frequency magnetic field immunity test.

**DA Tech Deutsche Akkreditierungsstelle**

**Technik in der TGA GmbH**  
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 60594 Frankfurt a. M.

Anlage zur Akkreditierungsurkunde DAT-P-266/07-00 vom 15.12.2007  
Annex to the accreditation certificate

Seite/page 2/4

Standard	Description
IEC 61000-4-9 EN 61000-4-9 DIN EN 61000-4-9	Electromagnetic compatibility (EMC) – Part 4-9: Testing and measurement techniques – Pulse magnetic field immunity test.
IEC 61000-4-11 EN 61000-4-11 DIN EN 61000-4-11	Electromagnetic compatibility (EMC) – Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests.
<b>Generic Standards</b>	
IEC 61000-6-1 EN 61000-6-1 DIN EN 61000-6-1	Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments. For the limitations see the basic standards.
IEC 61000-6-2 EN 61000-6-2 DIN EN 61000-6-2	Electromagnetic compatibility (EMC) – Part 6-2: Generic standards – Immunity for industrial environments. For the limitations see the basic standards.
IEC 61000-6-3 <sup>2)</sup> EN 61000-6-3 <sup>2)</sup> DIN EN 61000-6-3 <sup>2)</sup>	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments. For the limitations see the basic standards.
IEC 61000-6-4 <sup>2)</sup> EN 61000-6-4 <sup>2)</sup> DIN EN 61000-6-4 <sup>2)</sup>	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments For the limitations see the basic standards.
<sup>2)</sup> Except for radiated disturbance measurements.	

Anlage zur Akkreditierungsurkunde DAT-P-266/07-00 vom 15.12.2007  
Annex to the accreditation certificate

Seite/page 3/4

Standard	Description
<b>Product Family Standards</b>	
IEC/CISPR 55011 <sup>3)</sup> EN 55011 <sup>3)</sup> DIN EN 55011 <sup>3)</sup>	Industrial, scientific and medical (ISM) radio-frequency equipment – Radio disturbance characteristics – Limits and methods of measurement.
<sup>3)</sup> Only conducted disturbance measurement acc to clause 5.1.	
IEC/CISPR 55014-1 <sup>4)</sup> EN 55014-1 <sup>4)</sup> DIN EN 55014-1 <sup>4)</sup>	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission.
<sup>4)</sup> keine gestrahlten Störgrößen	
IEC/CISPR 55014-2 EN 55014-2 DIN EN 55014-2	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity; Product family standard.
IEC/CISPR 55015 <sup>5)</sup> EN 55015 <sup>5)</sup> DIN EN 55015 <sup>5)</sup>	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment.
<sup>5)</sup> außer Punkt 7.2.4	
IEC/CISPR 55022 <sup>6)</sup> EN 55022 <sup>6)</sup> DIN EN 55022 <sup>6)</sup>	Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement.
<sup>6)</sup> Only conducted disturbance measurement.	
IEC 61000-3-2 EN 61000-3-2 DIN EN 61000-3-2	Electromagnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase).
IEC 61000-3-3 EN 61000-3-3 DIN EN 61000-3-3	Electromagnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subjected to conditional connection.

Product Standards	
Standard	Description
EN 45501 DIN EN 45501	Metrological aspects of non-automatic weighing instruments.
EN 50121-1 DIN EN 50121-1	Railway applications – Electromagnetic compatibility – Part 1: General.
EN 50121-3-2 <sup>7)</sup> DIN EN 50121-3-2 <sup>7)</sup>	Railway applications – Electromagnetic compatibility – Part 3-2: Rolling stock; Apparatus.
<sup>7)</sup> Excluding measurement of radiated disturbance.	
EN 50155 <sup>8)</sup> DIN EN 50155 <sup>8)</sup>	Railway applications – Electronic equipment used on rolling stock.
<sup>8)</sup> Only EMC-requirements according to clause 10.2.6.1 (Supply overvoltages) and clause 10.2.6.2 (Surges, excluding waveform B).	
EN 50165 DIN EN 50165	Electrical equipment of non-electric appliances for household and similar purposes – Safety requirements.
IEC 62052-11 <sup>9)</sup> EN 62052-11 <sup>9)</sup> DIN EN 62052-11 <sup>9)</sup>	Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 11: Metering equipment.
<sup>9)</sup> Only EMC-requirements and excluding: 1. Radiated immunity acc. to clause 7.5.3 2. Oscillatory waves immunity acc. to clause 7.5.7 3. Radio interference suppression acc. to clause 7.5.8.	

**Für die fachliche Richtigkeit der Prüfberichte sind verantwortlich:**

*Technical responsibility for the test reports:*

Mr. Eng. Mihai

Mr. Eng. Nicoleanu

Die Akkreditierung gilt nur für Produkte, deren Prüfung und/oder Zertifizierung durch Drittstellen nicht durch Rechtsvorschriften vorgeschrieben sind.

*The accreditation is valid for products which are not mandatory to be tested and/or certificated by third parties.*

