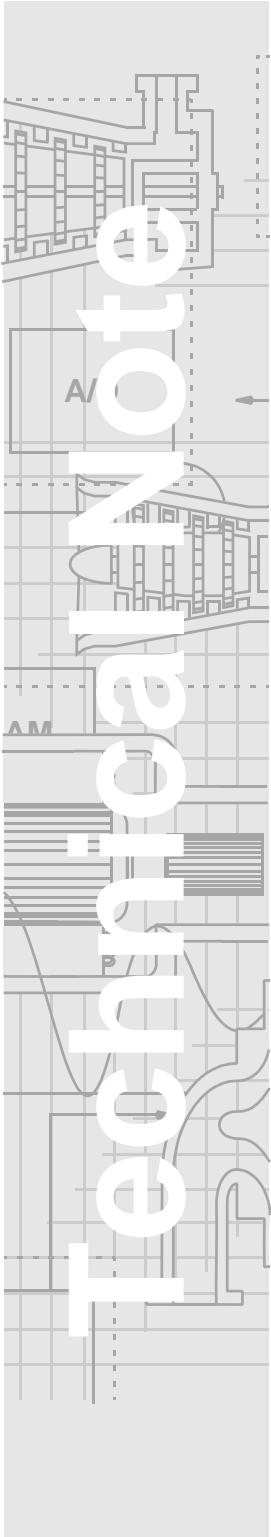








Agency Certifications for *Prodigy*[®] Controllers

This document identifies the current agency certifications for the Prodigy controllers and related components. Prodigy controllers have been determined to be compliant with the following hazardous area, environmental, safety, EMC, IECEx, ISA, Cybersecurity Achilles, and Vibration standards.




  	<p>Hazardous Area US & Canada: Class I, Division 2, Groups A,B,C,D and T3 - US: Class I, Zone 2, AEx nA nC IIC T3 Gc - Canada: Class I, Zone 2, Ex nA nC IIC T3 Gc European: ATEX II 3 G Ex nA nC IIC T3 Gc (-20°C to +55°C) ATEX Directive 2014/34/EU Group II, Category 3G Ex ec nC IIC T3 Gc</p>
<p>Compliant Standard</p>	<p>Certification Level</p>
<p>ANSI/UL 60079-0</p>	<p>Issued: 2013/07/26 Ed: 6 Rev: 2013/07/26 Explosive Atmospheres - Part 0: Equipment - General requirements</p>
<p>ANSI/UL 60079-15</p>	<p>Issued: 2013/02/15 Ed:4 Rev:2013/08/02 Electrical Apparatus for Explosive Gas Atmospheres Part 15: Electrical Apparatus with Type of Protection 'n': ANSI/UL 60079-15</p>
<p>CAN/CSA-C22.2 No. 60079-0:11</p>	<p>Issued: 2011/12/01 Explosive atmospheres - Part 0: Equipment - General requirements</p>
<p>CAN/CSA-C22.2 No. 60079-15:12</p>	<p>Issued: 2012/01/01 Electrical apparatus for explosive gas atmospheres - Part 15 Construction, test and marking of type of protection "n" electrical apparatus</p>
<p>ANSI/ISA 12.12.01:2015</p>	<p>Nonincendive Electrical Equipment for Use in Class I and II, Division 2 and Class III, Divisions 1 and 2 Hazardous (Classified) Locations</p>
<p>CSA C22.2 No 213 (R2013)</p>	<p>Issued: 1987/03/01 Ed: 1 (R2013) Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations; Gen. Inst. No. 1 1987</p>
<p>EN 60079-0:2012+A11:2013</p>	<p>Explosive atmospheres Part 0: Equipment-General requirements</p>
<p>EN 60079-15:2010</p>	<p>Explosive atmospheres - Part 15: Equipment Protection By type of protection "n"</p>
<p>Ingress Protection</p>	<p>Completed by Installation (To be installed Inside a tool secured ATEX certified enclosure meeting minimum IP 54 per EN 60079-15)</p>
<p>IEC 60079-0: 2018</p>	<p>Explosive atmospheres - Part 0: Equipment - General requirements</p>
<p>IEC 60079-7: 2015/15H1: 2016 Ed 5.1</p>	<p>Electrical apparatus for explosive gas atmospheres – Part 7: Increased safety "e"</p>
<p>IEC 60079-15: Ed 5</p>	<p>Explosive atmospheres – Part 15: Equipment protection by type of protection "n"</p>

	Electrical Safety (for Ordinary Locations) Industrial Process Measurement and Control
Compliant Standard	Certification Level
CAN/CSA-C22.2 No. 61010-1-12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
CAN/CSA-IEC 61010-2-201:14	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 2: Particular Requirements for control equipment
ANSI/UL 61010-1 (3rd Edition)	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements

	Electromagnetic Capability (EMC) EMC Electromagnetic Compatibility Directive: 2014/30/EU Low-Voltage Directive: 2014/35/EU
Compliant Standard	Certification Level
EN 61010-1:2010	Safety Requirements for Electrical Equipment for Measurement Control and Laboratory Use, Part 1: General Requirements.
EN 61000-6-2:2005/ AC:2005	Electromagnetic Compatibility (EMC), Part 2 General Standards - Immunity for Industrial Environments
EN 61000-3-2: 2014 IEC 61000-3-2:2005/ A1:2008/A2:2009	Electromagnetic Compatibility (EMC), Part3-2 Limits - Limits for harmonic current emissions (equipment input current ≤ 10 A per phase)
EN 61000-3-3:2013 IEC 61000-3-3:2013	Electromagnetic compatibility (EMC) Part 3-3: Limits, Limitation of voltage changes, voltage fluctuations and flicker, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
IEC 61000-4-2:2008	Electromagnetic Compatibility (EMC), Part 4: Testing and Measurement Techniques Section 2: Electrostatic Discharge Immunity Tests
IEC 61000-4-3:2006/ A1:2007/A2:2010	Electromagnetic Compatibility (EMC), Part 4-3: Testing and Measurement Techniques - Radiated, Radio Frequency, Electromagnetic Field Immunity Test
IEC 61000-4-4:2012	Electromagnetic Compatibility (EMC), Part 4: Testing and Measurement Techniques Section 4: Electrical Fast Transient/Burst Immunity Test
IEC 61000-4-5:2014	Electromagnetic Compatibility (EMC), Part 4: Testing and Measurement Techniques Section 5: Surge Immunity Test

IEC 61000-4-6:2013	Electromagnetic Compatibility (EMC), Part 4: Testing and Measurement Techniques Section 6: Immunity to conducted disturbances, induced by radio-frequency fields
IEC 61000-4-8:2009	Electromagnetic Compatibility (EMC), Part 4-8, testing and measurement techniques - power frequency magnetic field immunity test
IEC 61000-4-11:2004	Electromagnetic Compatibility (EMC), Part 4: Testing and Measurement Techniques Section 11: Voltage dips, short interruptions, and voltage variations immunity tests
EN 61000-6-4:2007/ A1:2011	Emission standard for industrial environments
CISPR 11:2015 EN 55011:2009/A1:2010	Industrial, scientific and medical (ISM) radio-frequency equipment emissions – Electromagnetic disturbance characteristics – Limits and methods of measurement

	Environmental Conditions for Process Measurement and Control System: Airborne Containments -- Severity Class G3
Compliant Standard	Certification Level
Conformal Coating	Meets or exceeds ISA-S71.04 1985, Severity Class G3, G2, G1 Environments.

	Cybersecurity Communication Robustness Test
Compliant Standard	Certification Level
Achilles Communications Certification	Level 1


	<p>Regional Certifications for Prodigy Controllers</p>
<p>Compliant Standard</p>	<p>Description</p>
<p>Pattern Approval (Metrology) Certification (2014)</p>	<p><i>The order of testing and approval of the types of patterns of measuring instruments is approved by the decision of Gosstandart of the Russian Federation. It establishes the general requirements to the organization work on tests and the approval of measuring instruments types. This order of testing and approval is applied to the measurement patterns, including the measuring systems (complexes), which are used in the sphere of distribution of the state metrological control and supervision.</i></p>
<p>Declaration of Conformity (CU TR) (2014)</p>	<p><i>The Declaration of Conformity of the Customs Union Technical Requirements (CU TR) confirms the safety requirements and electromagnetic compatibility and allows exporters and producers to spread their goods on the territory of the Customs Union. NOTE: "CT RU" is replacing both "Declaration of Conformity (GOST)" and "Permit to Use from Rostekhnadzor" moving forward.</i></p>

Table 1 Operational and Transportation Vibration Standards and Compliance

Type	Standards	Result
<p>Operating Vibration Test</p>	<p>IEC 60654-3:2003, Section 4.1, Table I and Section 4.2, Table II, except the test frequency range shall be 2 Hz – 3 kHz</p>	<p>Compliant</p>
<p>Transportation Vibration Test</p>	<p>MIL-STD-810G, Method 514.6, Category 4, <i>Basic Transportation for Common Carrier Transport.</i> (Truck/Trailer - Secured Cargo)</p>	<p>Compliant</p>

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