



## DECLARATION OF CONFORMITY

**Application of Council Directive(s):** 2014/30/EU - The EMC Directive  
**Manufacturer's Name:** Axiomatic Technologies Corporation  
5915 Wallace Street  
Mississauga, Ontario Canada L4Z 1Z8  
**Equipment Type/Environment:** Power Gen Set Networked Controller  
**Trade Names/Model Nos:** RTD Temperature Scanner/AXRTD8, AXRTD8-03,  
AXRTD8CO, AX184000  
234-1645, JM171100, JM171101  
**Year of Manufacture:** 2012/2013/2014/2015/2016/2017/2018/2019/2020  
**Testing Facility:** Self-declared  
**File No.:** Caterpillar Inc. (Engineering Report EC42 Test Results)  
**Records Maintained by:** Axiomatic Technologies Corporation  
5915 Wallace Street, Mississauga, ON  
Canada L4Z 1Z8  
TEL: 905-602-9270

### Standard(s) to which Conformity is Declared:

#### Emissions:

CISPR 25, Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers. 2008. Radiated Emissions (150 kHz – 54 MHz), Class 3.

ISO13766, 2006. Radiated Emissions (30 MHz – 1 GHz) Level

CISPR 25, Vehicles, boats and internal combustion engines – Radio disturbance characteristics – Limits and methods of measurement for the protection of on-board receivers. 2008. Conducted Emissions. Class 3

CISPR 16 Specification for radio disturbance and immunity measuring apparatus and methods. Part 2-3. 2006. Far Field Emissions.

#### Immunity:

Conducted Susceptibility EN 61000-4-6 *Immunity to conducted disturbances, induced by radio-frequency fields*: 2009 (150 kHz-80 MHz, 10 V/m)

Conducted Immunity, Bulk Current Injection per ISO 11452-4:2005 and SAE J1113-4: 2004 (1-400 MHz; 80 mA)

Conducted Transients per ISO 7637-2: 2004

Radiated Susceptibility per ISO 11452-2: 2004 (200 MHz – 1 GHz; 100 V/m and 1 GHz – 2.7 GHz; 50V/m)

Radiated Immunity per ISO 1142-4: 2010 (10 kHz – 2 MHz; 100 V/m)

Electrical Fast Transients/Burst per EN 61000-4-4 *Electrical fast transient/burst immunity test*: 2004 (Signal ports +/- 1 kV L/E, Power Line +/- 2 kV, DC port +/- 500 V L/L and +/- 1 kV L/E)

Slow Transient/Electrical Surge Test per EN 61000-4-5 *Surge immunity test*: 2006 (Signal ports +/- 1 kV L/E, Power Line +/- 2 kV, DC port +/- 500 V L/L and +/- 1 kV L/E)

Immunity to Electrostatic Discharge per ISO 10605:2008 (8kV contact discharge, 15kV air discharge)

Packaging and Handling ESD per ISO 10605:2008 (8kV contact discharge, 15kV air discharge)

Audio Frequency per MIL STD 461F CS101, power lines only

*I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive and Standards.*

#### **Manufacturer**

**Amanda Wilkins**  
**Axiomatic Technologies Corporation**  
**January 31, 2020**  
**Mississauga, Ontario, Canada**

**Axiomatic Technologies Corporation**  
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