TRADEMARK CERTIFICATION STANDARDS AND USAGE REQUIREMENTS TRADEMARK CERTIFICATION STANDARDS ARCTIC-GRADE(TM) COMPONENT CERTIFICATION

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ISSUED BY: Polar Dynamics Robotics, Inc.

VERSION: 3.0

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1. INTRODUCTION

This document establishes the official standards, testing protocols, an requirements for the Arctic-Grade(TM) certification mark owned by Portagon Robotics, Inc. ("PDR" or the "Company"), registered with the United Statement and Trademark Office under Registration No. 88754321.

2. DEFINITIONS

- 1. "Arctic-Grade(TM)" means the certification mark owned by PDR inc
- 2. "Certified Component" means any robotic component, subsystem,
- 3. "Testing Protocol" means the standardized evaluation procedures of
- 4. "Certification Committee" means the internal PDR body responsible

3. CERTIFICATION SCOPE

- 1. The Arctic-Grade (TM) certification applies to:
- a) Electronic control systems
- b) Power distribution components
- c) Mechanical drive assemblies
- d) Sensor arrays and navigation systems
- e) External housing and protective elements
- f) Interface components and connectors
- 2. Minimum Performance Requirements:
- a) Sustained operation at -40 C to -5 C
- b) Thermal shock resistance (T = 60 C)
- c) Condensation and frost resistance
- d) Impact resistance at low temperatures
- e) Power efficiency at reduced temperatures

4. CERTIFICATION PROCESS

1. Application Submission
-
Complete technical documentation
-
Component specifications
-
Intended use case documentation
-
Preliminary test results
-
Manufacturing process validation
2. Initial Screening

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Technical review by PDR engineering team
-
Compliance assessment with BlueCore(TM) integration standards
-
Safety evaluation
-
Preliminary performance verification
3. Testing Phase
-
Environmental chamber testing
-
Thermal cycling evaluation
-

Performance benchmarking
-
Durability assessment
-
Integration validation
4. Certification Review
-
Data analysis and verification
-
Compliance confirmation
-
Risk assessment
-
Final approval by Certification Committee

5. TESTING PROTOCOLS

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Response time measurement

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Accuracy and precision verification

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System integration testing

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Failure mode analysis

6. USAGE REQUIREMENTS

1. Mark Display Requirements

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Minimum size specifications

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Clear space requirements
-
Approved color variations
-
Positioning guidelines
2. Marketing Guidelines
-
Approved terminology
-
Required disclaimers
-
Documentation requirements
-
Advertising restrictions

7. COMPLIANCE MONITORING

1. Quality Assurance
-
Quarterly performance reviews
-
Random sampling and testing
-
Manufacturing facility audits
-
Documentation verification
2. Non-Compliance Procedures
-
Warning notification process

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Remediation requirements

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Certification suspension

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Revocation procedures

8. LEGAL PROVISIONS

- 1. The Arctic-Grade(TM) certification mark is protected under U.S. an
- 2. PDR reserves the right to modify certification requirements with 90
- 3. Unauthorized use of the Arctic-Grade(TM) mark constitutes tradem

9. CERTIFICATION MAINTENANCE

1. Annual Renewal Requirements
-
Performance verification
-
Documentation updates
-
Compliance confirmation
-
Fee payment
2. Modification Procedures
-
Change notification requirements

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Re-certification criteria

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Testing requirements

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Documentation updates

EXECUTION

IN WITNESS WHEREOF, this document has been executed by the d representatives of Polar Dynamics Robotics, Inc.

POLAR DYNAMICS ROBOTICS, INC.

Ву:

Name: Dr. Elena Frost

Title: Chief Executive Officer

Date: January 15, 2024

Ву:

Name: Dr. James Barrett

Title: Chief Robotics Officer

Date: January 15, 2024

APPROVED:

Victoria Wells

Chief Financial Officer

Date: January 15, 2024

