QUALITY CONTROL DATA COLLECTION PROCEDURES

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Document ID: PDR-OPS-034

Version: 3.2

Effective Date: January 15, 2024

Last Updated: January 11, 2024

1. PURPOSE AND SCOPE

1. This Quality Control Data Collection Procedure ("Procedure") established

2. This Procedure applies to all quality control testing conducted on C
2. DEFINITIONS
"Quality Control Data" means all measurements, observations, test
2. "Cold Environment Testing" refers to quality control procedures cor
3. "BlueCore(TM) Performance Metrics" means the proprietary set of
3. DATA COLLECTION REQUIREMENTS
Minimum Data Collection Parameters
- Temperature readings at 5-minute intervals

- 2 Power consumption metrics
Navigation accuracy measurements
System response times
Component stress indicators
Error logs and fault conditions
2. Testing Environment Documentation

Ambient temperature

Humidity levels

Floor surface conditions

Operating load conditions

Duration of cold exposure

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Temperature cycling data

4. TESTING PROTOCOLS

- 1. Pre-Test Procedures
- a) Calibration verification of all measurement instruments
- b) Environmental chamber stabilization period (minimum 4 hours)

- c) System initialization checks
- d) Baseline performance documentation
- 2. Testing Sequence
- a) Cold start capability assessment
- b) Navigation accuracy validation
- c) Load handling verification
- d) Emergency stop functionality
- e) Power system performance
- f) Communication system reliability

5. DATA RECORDING AND STORAGE

1. All quality control data shall be recorded in the Company's secure 0

2. Data getention requirements:
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Raw test data: 7 years
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Analysis reports: 10 years
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Validation certificates: Product lifetime plus 5 years
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Calibration records: 5 years

6. ANALYSIS AND REPORTING

1. Required Analysis Parameters

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Statistical variance analysis

- 6 Performance trend analysis
Failure mode identification
System reliability calculations
Component lifecycle projections
2. Reporting Requirements
Test summary reports within 5 business days

Monthly trend analysis reports

Quarterly_performance reviews

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Annual reliability assessments

7. NON-CONFORMANCE PROCEDURES

- 1. Any test result falling outside specified parameters must be:
- a) Documented immediately
- b) Reported to Quality Control Manager within 24 hours
- c) Investigated for root cause
- d) Addressed through corrective action
- 2. Non-conformance Resolution

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Implementation of corrective actions

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Verification testing
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Documentation of resolution
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Update of relevant procedures
8. QUALITY CONTROL PERSONNEL
1. Only certified quality control technicians may conduct testing proce
2. Required Qualifications:
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Minimum 2 years experience in robotics testing
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Cold engironment safety certification
BlueCore(TM) systems certification

Annual competency assessment

9. CONFIDENTIALITY

- 1. All quality control data is considered Confidential Information as de
- 2. Access to quality control data shall be restricted to authorized personal

10. AMENDMENTS AND UPDATES

1. This Procedure shall be reviewed annually and updated as necessary

2. All amendments must be approved by the Chief Robotics Officer and
11. COMPLIANCE
1. Compliance with this Procedure is mandatory for all quality control
2. Violations may result in disciplinary action up to and including term
APPROVAL AND EXECUTION
APPROVED AND ADOPTED this 11th day of January, 2024.
POLAR DYNAMICS ROBOTICS, INC.
Ву:
Dr. James Barrett

Chief Reportics Officer

Ву:

Sarah Nordstrom

Chief Operating Officer