EQUIPMENT CALIBRATION SCHEDULE Q1-Q4 2024

EQUIPMENT CALIBRATION SCHEDULE Q1-

NaviFloor Robotics, Inc.

Document Reference: CAL-2024-001

Last Updated: January 11, 2024

1. PURPOSE AND SCOPE

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1. This Equipment Calibration Schedule ("Schedule") establishes the mandat

2. This Schedule applies to all facilities operated by the Company and encom

2. EQUIPMENT CATEGORIES AND CALIBRATION

2.1. Category A: LiDAR and Depth-Sensing Systems

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Advanced LiDAR Arrays (Model NF-L2000 Series)

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Calibration Interval: Monthly

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Tolerance Verification: Weekly

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Full System Alignment: Quarterly

Depth-Sensing Units (Model NF-D500 Series)

- Calibration Interval: Bi-monthly

- Sensor Array Verification: Weekly

- Complete Recalibration: Semi-annually

2.2. Category B: Navigation and Positioning Equipment

- Inertial Measurement Units (IMU-NF300 Series)

- Calibration Interval: Quarterly

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Drift Analysis: Monthly

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Zero-point Calibration: Weekly

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Surface Detection Sensors (SDS-100 Series)

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Calibration Interval: Monthly

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Sensitivity Adjustment: Bi-weekly

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Range Verification: Weekly

2.3. Category C: Quality Control and Testing Equipment

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Precision Measurement Tools

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Calibration Interval: Quarterly

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Verification Against Standards: Monthly

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Uncertainty Analysis: Semi-annually

3. QUARTERLY CALIBRATION SCHEDULE

3.1. Q1 2024 (January - March)

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January 15-19: LiDAR Systems Full Calibration

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February 5-9: Depth-Sensing Units Calibration

March 11-15: IMU Systems Calibration

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Ongoing Weekly and Monthly Checks per Section 2

3.2. Q2 2024 (April - June)

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April 8-12: Surface Detection Systems Calibration

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May 13-17: Complete System Alignment

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June 10-14: Semi-annual Deep Calibration

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Ongoing Weekly and Monthly Checks per Section 2

3.3. Q3 2024 (July - September)

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July 15-19: LiDAR Systems Full Calibration

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August 12-16: Depth-Sensing Units Calibration

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September 9-13: IMU Systems Calibration

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Ongoing Weekly and Monthly Checks per Section 2

3.4. Q4 2024 (October - December)

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October 14-18: Surface Detection Systems Calibration

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November 11-15: Complete System Alignment

December 9-13: Year-end Full System Calibration

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Ongoing Weekly and Monthly Checks per Section 2

4. CALIBRATION PROCEDURES AND STANDARDS

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1. All calibrations shall be performed in accordance with:

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ISO/IEC 17025:2017 Standards

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NaviFloor Robotics Quality Management System (QMS-2024)

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Manufacturer specifications for each equipment type

NIST traceable standards where applicable

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2. Documentation Requirements:

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Calibration certificates must be generated for each procedure

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Digital records maintained in the Company's CMMS

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Traceability documentation for all reference standards

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Uncertainty measurements and analysis reports

5. RESPONSIBLE PARTIES AND QUALIFICATIONS

1. Internal Calibration Team:

- Lead Metrologist: Required certification level III
- Calibration Technicians: Minimum certification level II
- Quality Control Supervisor: ISO 17025 trained

2. External Calibration Services:

- Must be ISO 17025 accredited laboratories
- Approved vendor list maintained by Quality Control

Annual audit of external service providers required

6. COMPLIANCE AND REPORTING

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1. Quarterly compliance reports shall be submitted to:

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Quality Control Department

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Operations Management

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Regulatory Compliance Officer

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2. Annual calibration audit to be completed by December 31, 2024

7. MODIFICATIONS AND UPDATES

This Schedule may be modified only with written approval from:

- Chief Technology Officer

- Quality Control Director

- Operations Director

AUTHORIZATION

APPROVED BY:

Marcus Depth

Chief Technology Officer

Date: January 11, 2024

Richard Torres

Chief Operations Officer

Date: January 11, 2024

Elena Kovacs

Chief Research Officer

Date: January 11, 2024