

FACILITY SAFETY REQUIREMENTS FOR ROBOT TESTING AREAS

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NaviFloor Robotics, Inc.

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1. PURPOSE AND SCOPE

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1. This document establishes mandatory safety requirements and protocols for

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2. These requirements apply to all employees, contractors, visitors, and third

2. DEFINITIONS

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1. "Testing Area" means any designated space within Company facilities wh

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2. "Safety Zone" refers to the marked perimeter surrounding active testing ar

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3. "Emergency Stop System" (ESS) means the comprehensive emergency sh

3. PHYSICAL SAFETY REQUIREMENTS

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1. Perimeter Security

- a) Testing areas must be enclosed by physical barriers minimum 1.5 meters in height
- b) Electronic safety curtains with redundant sensors must be installed at all entry points
- c) Clear signage indicating "RESTRICTED AREA - AUTHORIZED PERSONNEL ONLY" must be posted every 3 meters

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2. Floor Markings

- a) High-visibility floor markings must delineate robot operating zones
- b) Emergency evacuation routes must be marked in photoluminescent material
- c) Safety zones must be marked with standardized warning patterns

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3. Emergency Systems

- a) Emergency stop buttons must be installed at maximum intervals of 5 meters
- b) Overhead emergency lighting with backup power supply
- c) Audio-visual warning systems with multiple activation points

4. OPERATIONAL PROTOCOLS

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1. Access Control

- a) Biometric access required for all testing area entry points
- b) Mandatory safety orientation before first access granted
- c) Electronic logging of all personnel entry and exit

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2. Testing Procedures

- a) Minimum two qualified operators present during active testing
- b) Pre-test safety checklist completion mandatory
- c) Real-time monitoring of all AMR operations via central control system

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3. Emergency Response

- a) Designated safety officer must be present during all testing activities
- b) Emergency response team on standby during high-risk testing
- c) Monthly emergency evacuation drills required

5. PERSONAL PROTECTIVE EQUIPMENT

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1. Required Equipment

- a) Safety glasses with side shields
- b) Steel-toed safety boots
- c) High-visibility vests with RFID tracking tags
- d) Personal emergency stop transmitters

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2. Specialized Equipment

- a) Additional PPE as specified for particular test protocols
- b) Equipment certification must be current and documented

6. COMPLIANCE AND DOCUMENTATION

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1. Safety Audits

- a) Weekly internal safety inspections

- b) Monthly third-party compliance audits
- c) Quarterly comprehensive facility safety reviews

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2. Record Keeping

- a) Digital logging of all safety incidents
- b) Maintenance of testing area access logs
- c) Documentation of safety training completion

7. LIABILITY AND ENFORCEMENT

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1. The Company reserves the right to immediately revoke testing area access

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2. Violation of these safety requirements may result in disciplinary action up to and including termination.

8. AMENDMENTS AND UPDATES

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1. This document shall be reviewed and updated annually or as required by changes in technology or safety requirements.

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2. All amendments must be approved by the Chief Technology Officer and the Chief Safety Officer.

ACKNOWLEDGMENT

The undersigned acknowledges receipt and understanding of these Facility Safety Requirements and agrees to comply with all provisions contained herein.

Date: _

Name: _g _

Signature: _

Position: _

APPROVAL

APPROVED BY:

Dr. Sarah Chen

CEO, NaviFloor Robotics, Inc.

Marcus Depth

CTO, NavyFloor Robotics, Inc.

Date: January 15, 2024

