STANDARD OPERATING PROCEDURES

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SAM'S CLUB DEPLOYMENT PROTOCOL

NaviFloor Robotics, Inc.

Version 1.4 - January 2024

1. PURPOSE AND SCOPE

1. This Standard Operating Procedure ("SOP") document establishes

2. This SOP applies to all NaviFloor personnel involved in the deployr
2. DEFINITIONS
1. "AMR Fleet" refers to NaviFloor's NT-350 series autonomous mobil
2. "Deployment Zone" means the designated areas within Sam's Club
3. "System Integration Period" refers to the initial 72-hour period follow
3. PRE-DEPLOYMENT PROCEDURES
1. Site Assessment
- Conduct comprehensive LiDAR mapping of facility

- 2 Document floor surface variations and transition points
 Identify and mark exclusion zones
 Verify wireless network coverage and signal strength
 2. Safety Compliance
 Complete OSHA-mandated safety checks
 Verify emergency stop system functionality
 Install safety signage per specification SP-2023-14

Conduct employee safety orientation sessions

4. DEPLOYMENT PROTOCOL

Physical Installation
-
Position charging stations according to Layout Plan D-2
-
Install navigation beacons at 15-meter intervals
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Calibrate depth sensors to facility lighting conditions
-
Verify power supply specifications compliance

2. Software Configuration

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Upload	facility-specific navigation maps
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Configu	ure operating parameters per Sam's Club requirements
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Initialize	e fleet management software
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Establis	sh secure VPN connection to NaviFloor NOC

5. OPERATIONAL PARAMETERS

1. Operating Hours

Primary operations: 22:00 - 06:00 local time

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Maintenance window: 14:00 - 16:00 local time

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Emergency operations as authorized by Facility Manager

2. Performance Metrics

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Minimum uptime requirement: 98.5%

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Maximum collision tolerance: 0.001%

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Navigation accuracy threshold: 2.5cm

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Battery efficiency minimum: 85%

6. MAINTENANCE PROCEDURES

Routine Maintenance
-
Daily system diagnostics at 21:00 local time
-
Weekly sensor calibration checks
-
Monthly firmware updates during designated maintenance windows
-
Quarterly hardware inspections
2. Emergency Maintenance
-
24/7 remote support availability
-
On-site response within 4 hours for critical issues

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Replacement unit deployment within 24 hours if required

7. COMPLIANCE AND REPORTING

Documentation Requirements
-
Daily operation logs
-
Incident reports within 1 hour of occurrence
-
Monthly performance analytics
-
Quarterly compliance audits

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2. Data Management
-
Secure storage of operational data for 90 days
-
Weekly backup to NaviFloor secure cloud
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Compliance with Sam's Club data retention policies
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Manual override procedures

Customer communication protocol

2. Safety Incidents

Emergency stop activation procedures

Incident documentation requirements

Notification hierarchy

Investigation protocols

9. QUALITY CONTROL

1. Performance Monitoring
-
Real-time system monitoring
-
Daily performance reviews
-
Weekly optimization adjustments
-
Monthly trend analysis
2. Continuous Improvement
-
Bi-weekly team reviews

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Monthly performance optimization

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Quarterly system upgrades

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Annual protocol revision

10. PROPRIETARY INFORMATION

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11. APPROVAL AND REVISION

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