

REAL-TIME FLOOR CONDITION ASSESSMENT SYSTEM

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TECHNICAL SPECIFICATION AND INTELLECTUAL

PROPRIETARY AND CONFIDENTIAL

NaviFloor Robotics, Inc.

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1. SYSTEM OVERVIEW

1. This document describes the proprietary Real-Time Floor Condition
2. The RFCAS represents a mission-critical component of the Compa

2. TECHNICAL SPECIFICATIONS

1. Core Components
 - a) Multi-spectral LiDAR array (Patent pending, Application No. 17/456
 - b) Advanced terrain mapping processor unit (ATPU-2000)
 - c) Surface composition analysis modules
 - d) Real-time environmental condition sensors
 - e) Proprietary NaviCore(TM) processing architecture
2. Operational Parameters
 - a) Scanning frequency: 240Hz

- b) Surface resolution: 0.5mm
- c) Analysis latency: <3ms
- d) Environmental tolerance: -20 C to 50 C
- e) Humidity range: 5-95% non-condensing

3. INTELLECTUAL PROPERTY RIGHTS

1. Protected Elements

The following components constitute protected intellectual property of
Company:

- a) Surface Pattern Recognition Algorithm (U.S. Patent No. 11,789,450)
- b) Dynamic Friction Coefficient Calculation Method (Patent pending)
- c) NaviCore(TM) Processing Architecture (Registered Trademark)

d) Terrain Mapping Source Code (Copyright Registration TX-9-876-543210)

2. Trade Secrets

The following elements are maintained as trade secrets under applicable laws:

- a) Sensor calibration methodologies
- b) Machine learning training datasets
- c) Surface classification parameters
- d) Environmental compensation algorithms

4. IMPLEMENTATION REQUIREMENTS

1. Hardware Integration

- a) Minimum processing capabilities: NaviCore(TM) Compatible Processor
- b) Sensor array configuration: Dual-redundant

- c) Power requirements: 24V DC, 15W nominal
- d) Communication protocol: NaviNet(TM) v3.0 or higher

2. Software Dependencies

- a) NaviOS(TM) Version 4.2 or higher
- b) Real-time processing module v2.1
- c) Surface analysis library package 3.4
- d) Environmental compensation module 1.2

5. CONFIDENTIALITY AND USAGE RESTRICTIONS

- 1. All information contained herein is strictly confidential and constitutes
- a) Maintain strict confidentiality
- b) Limit access to authorized personnel

- c) Implement appropriate security measures
- d) Return or destroy materials upon request

2. Usage Limitations

This system shall only be implemented in accordance with:

- a) Applicable license agreements
- b) Company implementation guidelines
- c) Authorized deployment scenarios
- d) Approved hardware configurations

6. WARRANTY AND LIABILITY

1. The Company warrants the RFCAS to perform substantially in accordance with the

- a) Proper implementation per Company guidelines
- b) Maintenance of environmental conditions
- c) Use of approved hardware configurations
- d) Regular calibration and maintenance

2. LIMITATION OF LIABILITY

IN NO EVENT SHALL THE COMPANY BE LIABLE FOR ANY INDIRECT OR CONSEQUENTIAL DAMAGES ARISING FROM THE USE OR IN

7. CERTIFICATION

The undersigned hereby certifies that this document accurately represents the technical specifications and intellectual property rights of the Real-Time Condition Assessment System as of the date first written above.

NAVIFLOOR ROBOTICS, INC.

By:

Dr. Elena Kovacs

Chief Research Officer

Date:

By:

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Chief Technology Officer

Date:

8. DOCUMENT CONTROL

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