

# ROBOTICS TRAINING CERTIFICATION REQUIREMENTS

## ROBOTICS TRAINING CERTIFICATION REQUIREMENTS

*Effective Date: January 1, 2024*

*Document ID: PDR-HR-2024-001*

*Version: 2.0*

### 1. PURPOSE AND SCOPE

1. This document establishes the mandatory training and certification
2. These requirements apply to all Company employees, contractors,

## **2. DEFINITIONS**

1. "Certified Operator" means an individual who has successfully completed the training and testing required for certification.
2. "BlueCore(TM) System" refers to the Company's proprietary cold-chain management system.
3. "Critical Operations Zone" means any area where AMRs operate in a controlled environment.
4. "Certification Level" refers to the specific training tier achieved by personnel.

## **3. CERTIFICATION LEVELS AND REQUIREMENTS**

1. Level I - Basic Operator

-

Minimum 40 hours of classroom instruction

- - 2 -

20 hours of supervised practical training

-

Successful completion of safety protocols assessment

-

Annual recertification required

## 2. Level II - Advanced Operator

-

Level I certification prerequisite

-

Additional 60 hours of technical training

-

40 hours of cold environment operations training

-

BlueCore(TM) systems troubleshooting certification

-

Biennial recertification required

### 3. Level III - Technical Specialist

-

Level II certification prerequisite

-

120 hours of advanced systems training

-

Programming and maintenance certification

-

Cold-specific safety instructor qualification

-

Biennial recertification required

#### 4. Level IV - Master Technician

-

Level III certification prerequisite

-

200 hours of expert-level training

-

System architecture certification

-

Emergency response coordinator qualification

-

Triennial recertification required

## **4. TRAINING PROGRAM COMPONENTS**

### 1. Mandatory Safety Modules

- - 5 -

Cold environment safety protocols

-

Emergency shutdown procedures

-

Personal protective equipment requirements

-

Accident prevention and reporting

-

Environmental hazard recognition

## 2. Technical Components

-

BlueCore(TM) system architecture

-

Navigation system programming

-

Power management systems

-

Preventive maintenance procedures

-

Software update protocols

### 3. Practical Assessment Requirements

-

Hands-on operational evaluations

-

Simulation-based testing

-

Real-world scenario management

- - 7 -

Performance documentation

-

Competency verification

## **5. CERTIFICATION ADMINISTRATION**

### **1. Training Documentation**

-

All certification records must be maintained in the Company's Learning

-

Digital copies of certificates issued

-

Training attendance logs

-



Assessment results

-

Practical evaluation records

## 2. Certification Validity

-

Certificates must display issue and expiration dates

-

Unique certification identification numbers

-

QR code verification capability

-

Electronic verification system access

## **6. COMPLIANCE AND ENFORCEMENT**

1. Non-certified personnel are strictly prohibited from:

-

Operating AMR systems

-

Performing maintenance or repairs

-

Modifying programming or settings

-

Training other personnel

-

Accessing critical operation zones

2. Certification Suspension

-

Automatic suspension for safety violations

- - 10 -

Failed recertification assessments

-

Extended absence from duty

-

Performance concerns

-

Compliance violations

## **7. LEGAL COMPLIANCE**

1. This certification program complies with:

-

OSHA safety requirements

-

ISO/TS 15066:2016 specifications

-

Applicable state and federal regulations

-

Industry standard practices

-

Company insurance requirements

## **8. AMENDMENTS AND UPDATES**

1. The Company reserves the right to modify these requirements as needed.

2. All amendments will be communicated to affected personnel with a minimum of 30 days notice.

## **9. ACKNOWLEDGMENT**

The undersigned acknowledges receipt and understanding of these c  
requirements.

'''

**Employee Name:** \_

**Employee ID:** \_

**Date:** \_

**Signature:** \_

**Company Representative:** \_

**Title:**

**Date:**

**Signature:**

'''

## **10. DOCUMENT CONTROL**

Document Owner: Human Resources Department

Last Revised: December 15, 2023

Next Review Date: December 15, 2024

Approved By: Dr. Elena Frost, CEO

Document Number: PDR-HR-2024-001

