JDC 033. COLD	WEATHER PERSON	IAL DOOTECTIVE	ECHIDMENT	DECLIDEN
JP3-033: GULD	WEATHER PERSON	IAL PROTECTIVE	EQUIPMENT	REQUIREN

PDR-OPS-033: COLD WEATHER PERSONAL

Effective Date: January 15, 2024

Document Owner: Safety & Compliance Department

Last Revised: January 15, 2024

Version: 2.0

1. PURPOSE AND SCOPE

1. This document establishes mandatory personal protective equipme

2. These requirements apply to all Company employees, contractors,
2. DEFINITIONS
1. "Cold Environment" refers to any operational area with ambient ten
2. "Critical Cold Environment" refers to operational areas with ambien
3. "Extended Duration" means continuous presence in a Cold Environ
4. "BlueCore(TM) Maintenance Activities" refers to any service, repair
3. GENERAL REQUIREMENTS
No personnel shall enter Cold Environments without proper PPE as

2. All PPE must meet or exceed ANSI/ISEA 105-2016 standards for o
3. Supervisors must conduct daily PPE inspections before cold enviro
4. REQUIRED PPE COMPONENTS
1. Basic Cold Environment PPE (0 C to -20 C):
Insulated safety boots (steel-toe) rated for cold environments
Thermal socks (moisture-wicking)
-
Insulated work gloves with grip enhancement
- Modification and described an electric an exercise
Multi-layer cold weather clothing system

Company-approved high-visibility vest or jacket

Thermal head covering

2. Critical Cold Environment PPE (Below -20 C):

All Basic Cold Environment PPE components

Arctic-grade insulated coveralls

Double-layer glove system with thermal liner

Full-face protection

Insulated safety goggles
-
Emergency thermal blanket
Personal temperature monitoring device
5. SPECIFIC OPERATIONAL REQUIREMENTS
BlueCore(TM) Maintenance Activities:
ESD-compliant thermal gloves required
Insulated tools with proper grip surfaces
- Face shield with anti-fog coating

5 - Company-issued cold-resistant diagnostic equipment protection
2. Extended Duration Requirements:
-
Mandatory buddy system implementation
-
30-minute maximum continuous exposure
-
15-minute warm-up breaks between exposures
-
Supervisor monitoring of exposure times
6. TRAINING AND CERTIFICATION

- 1. All personnel must complete Company-approved cold environment
 - 2. Annual recertification required for all cold environment personnel.
 - 3. Additional training required for Critical Cold Environment access.

7. EMERGENCY PROCEDURES

- 1. Emergency PPE kits must be maintained at all cold environment er
- 2. Emergency extraction procedures must be reviewed before each s
- 3. Immediate reporting of any PPE failures or cold-related incidents re

8. COMPLIANCE AND ENFORCEMENT

1 Failure	to comply w	ith thaca	requirements	may re	cult in	immediate

- 2. Random compliance audits will be conducted by Safety & Complian
- 3. Quarterly PPE effectiveness reviews required for all cold environments

9. DOCUMENT CONTROL

- 1. This document shall be reviewed annually and updated as required
- 2. All changes must be approved by the Safety & Compliance Departs

10. APPROVAL AND AUTHORIZATION

This document has been reviewed and approved by:

/s/ Sarah Nordstrom

Sarah Nordstrom

Chief Operating Officer

Date: January 15, 2024

/s/ Marcus Chen

Marcus Chen

Chief Technology Officer

Date: January 15, 2024

/s/ James Barrett

Dr. James Barrett

Chief Robotics Officer

Date: January 15, 2024

11. LEGAL DISCLAIMER

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