SENSOR DATA PROCESSING & STORAGE REQUIREMENTS

Summit Digital Solutions, Inc.

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1. PURPOSE AND SCOPE

1. This document establishes the mandatory requirements and procedures for the processing, storage, and management of sensor data collected through Summit Digital Solutions, Inc.'s ("Company") Peak Performance Platform and associated IoT infrastructure.

2. These requirements apply to all sensor data collected, processed, or stored by the Company in connection with its digital transformation services, including but not limited to industrial IoT sensors, environmental monitors, process automation systems, and machine learning data pipelines.

2. DEFINITIONS

1. "Sensor Data" means any data collected through physical or virtual sensors deployed as part of the Company's solutions, including but not limited to:

a) Time-series operational data

b) Environmental measurements

c) Equipment performance metrics

d) Process monitoring data

e) Quality control measurements

2. "Processing Systems" refers to the Company's proprietary data processing infrastructure, including the Peak Performance Platform and associated subsystems.

3. "Storage Infrastructure" means the Company's approved data storage systems, including both on-premises and cloud-based solutions.

3. DATA COLLECTION REQUIREMENTS

1. All sensor deployments must implement the following minimum security measures:

a) 256-bit AES encryption for data in transit

b) Unique device authentication credentials

c) Automated anomaly detection

d) Secure boot verification

e) Regular firmware updates

2. Sensor data collection frequencies shall be configured according to Schedule A: "Standard Collection Intervals by Sensor Type," attached hereto.

3. Each sensor deployment must maintain a minimum uptime of 99.9% measured on a rolling 30-day basis.

4. PROCESSING REQUIREMENTS

1. All sensor data must be processed through approved Processing Systems that maintain:

a) End-to-end data lineage tracking

b) Automated data quality verification

c) Real-time processing capability

d) Fault tolerance and failover mechanisms

e) Audit logging of all data transformations

2. Processing latency shall not exceed:

- Critical data: 50 milliseconds
- Standard data: 200 milliseconds
- Batch processing: 15 minutes

3. Data processing systems must maintain compliance with ISO 27001 and SOC 2 Type II standards.

5. STORAGE REQUIREMENTS

1. Sensor data shall be stored in accordance with the following retention schedule:

- Raw sensor data: 90 days
- Processed data: 3 years
- Aggregated metrics: 7 years
- Compliance-related data: As required by applicable regulations

2. Storage systems must implement:

a) Redundant storage across multiple geographic regions

b) Daily backup procedures with 99.999% recovery guarantee

c) Encryption at rest using minimum AES-256 standard

d) Access controls with role-based authentication

e) Automated data lifecycle management

6. COMPLIANCE AND MONITORING

1. The Company shall maintain continuous monitoring of:

- Storage capacity utilization
- Processing system performance
- Data quality metrics
- Security events
- Compliance status

2. Monthly compliance reports shall be generated and reviewed by the Chief Technology Officer or designee.

7. DISASTER RECOVERY

1. The Company shall maintain disaster recovery capabilities including:

- Hot failover for critical systems
- 15-minute Recovery Time Objective (RTO)
- 5-minute Recovery Point Objective (RPO)
- Quarterly disaster recovery testing

8. AMENDMENTS AND UPDATES

1. This document shall be reviewed and updated annually or upon significant changes to:

- Technology infrastructure
- Regulatory requirements
- Business operations
- Security standards

9. APPROVAL AND EXECUTION

IN WITNESS WHEREOF, this document has been approved and executed by the undersigned authorized representative of the Company.

SUMMIT DIGITAL SOLUTIONS, INC.

By:

Name: Michael Chang

Title: Chief Technology Officer

Date: January 15, 2024

SCHEDULE A: Standard Collection Intervals by Sensor Type

[Schedule attached separately as Document SDS-TECH-2024-007-A]