



# CAMCODE®

## Airport Equipment Maintenance Checklist

### Extend Equipment Lifespan and Reduce Downtime

Use this checklist to standardize maintenance processes, track critical asset data, and keep airport equipment operating reliably across every environment.

#### Equipment & Inspection Details

Facility name:

Inspection date:

Inspector name:

Area/terminal:

Equipment type/category:

Equipment identifier (asset ID):

Inspection type (routine/emergency):

#### Asset Identification & Tracking

All equipment is labeled with durable, industrial-grade asset tags

Labels are legible, scannable, and resistant to wear

Each asset has a unique ID

Asset location is documented and regularly updated

Maintenance history is linked to each asset

Inspection schedules are clearly defined

Replacement timelines are tracked

### **Maintenance Strategy & Scheduling**

- Preventive maintenance schedule is established for all equipment
- Predictive maintenance tools (IoT sensors) are in place where applicable
- Equipment condition data (temperature, vibration, runtime) is monitored
- Maintenance tasks are triggered by real-time data when possible
- Standardized inspection procedures are followed
- Maintenance logs are updated after every service

### **Battery Management (Lithium-Ion & Other)**

- Battery types are clearly labeled on all applicable equipment
- Approved chargers are used for all devices
- Batteries are stored according to manufacturer guidelines
- Batteries are monitored for overheating, swelling, or damage
- Charging cycles and replacement dates are tracked
- Damaged or aging batteries are replaced promptly

### **Charging Equipment & Power Management**

- Rapid or dual-port chargers are available for shared devices
- Charging stations are organized and accessible
- Devices are charged consistently (no overcharging or deep discharge)
- Backup charging solutions are available to prevent downtime
- Charging equipment is regularly inspected for faults

### **Storage & Environmental Protection**

- Equipment is stored in climate-controlled environments when not in use
- Storage areas are monitored for temperature and humidity
- Sensitive equipment is protected from moisture and corrosion
- Seasonal or infrequently used equipment is properly stored
- Ventilation is adequate in all storage areas

### Spare Parts & Readiness

- Critical spare parts are stocked and readily available
- Inventory levels are regularly reviewed
- Spare parts are properly labeled and stored
- Replacement parts are compatible and approved
- Downtime risks are minimized through inventory planning

### Maintenance Documentation & Records

Each asset record includes:

Asset ID	Inspection history
Equipment type	Repair notes
Location	Parts replaced
Service dates	Technician details

Additional data tracked (if applicable):

- Warranty information
- Downtime history
- Lifecycle status

### Continuous Improvement

- Maintenance data is reviewed regularly for trends
- Recurring issues are identified and addressed
- Maintenance processes are optimized based on insights
- Teams are trained on updated procedures
- New tools or technologies are evaluated for efficiency gains

### Quick Audit Summary

- All assets are trackable and labeled
- Maintenance is proactive, not reactive
- Batteries and charging are properly managed
- Storage conditions protect equipment
- Documentation is complete and up to date

**Notes and observations**

**Follow-Up Actions**

Issue Identified	Priority (High/Med/Low)	Assigned To	Due Date	Status