SOUTHGATE TERMINAL

Port Operations Security Documentation

Container Operations Emergency Procedures

Document Information

Document Type: Emergency Operations Procedure

Intended Users: Operations Team, Technical Team, Crane Operators

Usage Context: During container system failures, misrouting incidents, or crane

operation emergencies

Related Scenarios: Container misrouting, gantry control failures, CCTV black-

outs affecting container operations

Purpose

This procedure provides specific guidance for managing container operations during system failures, including container misrouting correction, manual container tracking, and safe crane operations during technical emergencies.

When to Use This Procedure

- Container misrouting incidents (containers to wrong berths)
- Gantry control system failures requiring manual operation
- · CCTV blackouts affecting container operation safety
- · Container management system failures or unauthorised changes
- · Crane synchronisation errors or safety concerns

Container Misrouting Emergency Response

Immediate	Response (′∩-5	minutes
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Step 1: Misrouting Detection and Verification

Stop Current Operations: Immediately halt container movement if misrout-
ing detected
Verify Misrouting: Confirm container ID, intended destination, and actual
location
Safety Assessment: Check if misplaced container creates immediate
safety hazard
Document Incident: Record container ID, intended berth, actual berth,
time discovered

Container Misrouting Report Template: CONTAINER MISROUTING INCIDENT Time Discovered: [Timestamp] Container ID: [Container Number] Intended Berth: [Original Destination] Actual Location: [Current Location] Discovered By: [Personnel Name/Position] Immediate Hazard: [Yes/No - Description if yes] Step 2: Immediate Safety Measures ☐ Crane Hold: Stop all crane operations affecting misrouted container ☐ Area Isolation: Secure area around misrouted container if safety concern ☐ Personnel Notification: Alert all personnel in affected berth areas ☐ Traffic Control: Stop vehicle traffic near misrouted container if necessary Container Correction Process (5-30 minutes) Assessment and Planning Phase 1. Container Assessment: ☐ Container type and contents ☐ Current position and accessibility ☐ Required lifting equipment ☐ Destination berth availability ☐ Route planning for correction move 2. Resource Requirements: ☐ Crane Availability: Verify appropriate crane capacity and availability ☐ Personnel: Crane operator, spotter, traffic coordinator ☐ Equipment: Spreaders, lifting gear appropriate for container type ☐ Route Clearance: Clear path from current location to correct berth 3. Safety Considerations: ☐ Load Verification: Confirm container weight and centre of gravity ☐ Weather Conditions: Wind speed and direction for safe lifting ☐ Visual Monitoring: Spotter assignments for crane operation ☐ Emergency Procedures: Ensure emergency stop procedures ready **Container Correction Execution** 1. Pre-Move Safety Brief: ☐ Brief all personnel on correction procedure ☐ Assign spotter positions and communication methods ☐ Verify emergency stop procedures ☐ Confirm crane operator competency for specific move 2. Correction Move Procedure: ☐ Container Securing: Ensure container properly secured before lift

☐ Lift Execution: Follow standard lifting procedures with enhanced safety
 □ Transport Route: Use predetermined safe route to correct berth □ Placement Verification: Confirm correct berth placement and secur-
ing
 3. Post-Move Verification: Location Confirmation: Verify container in correct berth position System Update: Update container management system if operational
 □ Documentation: Complete correction documentation □ Safety Clearance: All-clear for normal operations resume
Gantry Control System Failure Response
Immediate Actions (0-5 minutes)
System Failure Assessment
 □ Failure Scope: Determine which gantry systems affected □ Current Operations: Identify containers currently being moved □ Safety Status: Assess immediate danger to personnel or equipment □ Manual Override: Determine if manual override required and feasible
Emergency Container Securing
 In-Transit Containers: Immediate Stop: Use emergency stop if container in motion Secure Position: Lower container to safe position if possible Area Clearance: Clear personnel from beneath suspended containers
☐ Support Measures: Deploy additional securing if container unstable
 2. Planned Operations: ☐ Hold All Moves: Stop all planned container movements ☐ Secure Equipment: Ensure all lifting equipment in safe position ☐ Personnel Accountability: Account for all personnel in gantry areas ☐ Alternative Routing: Plan alternative operations if feasible
Manual Override Authorization Process
Override Readiness Assessment
 1. Personnel Competency Verification: □ Operator Qualification: Verify crane operator manual operation training □ Recent Experience: Confirm recent manual operation experience

eration Spotter Availability: Ensure qualified spotters available 2. Equipment Safety Check: Manual Controls: Verify manual control system functionality Safety Systems: Confirm emergency stop and safety systems operational Communication: Test crane operator to spotter communication Backup Power: Verify backup power systems if required 3. Environmental Assessment: Weather Conditions: Assess wind, visibility, precipitation Lighting: Ensure adequate lighting for manual operations Area Conditions: Check for obstacles or hazards in operating area Emergency Access: Verify emergency vehicle access maintained Manual Override Authorization Authority Required: Operations Supervisor + Safety Officer Documentation Required: Manual Override Authorization Form Authorization Checklist: -[] All safety systems verified operational -[] Qualified
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Authorization Checklist: - [1 All safety systems verified operational - [1 Qualified
personnel assigned and briefed - [] Environmental conditions acceptable - [] Emergency procedures confirmed - [] Communication systems tested - []
Maximum operation duration established
Manual Gantry Operation Procedures
Enhanced Safety Protocols
1. Continuous Communication:
 □ Radio Check: Test radio communication before each move □ Visual Contact: Maintain visual contact between operator and spot-
ter
☐ Standard Signals: Use standardized hand signals as backup
☐ Emergency Signals: Ensure all personnel know emergency stop sig-
nals 2. Reduced Operation Parameters:
☐ Speed Reduction: Operate at 50% normal speed maximum
□ Load Limits: Reduce maximum load capacity by 20%
☐ Wind Limits: Stop operations if wind exceeds 25 mph
☐ Visibility Requirements: Stop operations if visibility below 100 meters
3. Enhanced Monitoring:
☐ Additional Spotters: Deploy extra spotters for complex moves
 Ground Personnel: Ensure adequate ground personnel for coordination

□ Safety O tions	fficer Presence: Safety officer on-site during manual opera-
CCTV Blackout	Container Operations
Visual Monitoring R	eplacement
Spotter Deploymen	t Strategy
☐ Ground move ☐ Containe ☐ Traffic Intions 2. Spotter Assig☐ Primary Serving	perator Blind Spots: Position spotters at operator blind spots Movement Areas: Cover areas where personnel/vehicles er Landing Zones: Monitor container placement areas stersection Points: Cover vehicle and equipment intersec-
Enhanced Commur	nication Procedures
• Seconda • Emerger 2. Standard Con □ Move Au □ Progress □ Hazard A	n Hierarchy: Radio communication on designated channel ry: Hand signals and visual signals roy: Air horn, whistle, or emergency signals remunication Protocol: thorization: "Clear to move" from primary spotter Updates: Regular position updates during move Alerts: Immediate communication of any hazards fon Confirmation: "Move complete, all clear" signal
Reduced Capacity	Operations
Container Operatio	n Modifications
☐ Reduced☐ Enhance tions	destrictions: container Moves: Only one container move at a time I Speed: 30% normal speed during CCTV blackout and Verification: Double-check all container IDs and destina-

Emergency Contact Information

Container Operations Emergency Contacts

Operations Supervisor: [Phone number]
Crane Operations Manager: [Phone number]

Safety Officer: [Phone number]
Technical Support: [Phone number]

Emergency Services: 911

Equipment Emergency Contacts

Crane Maintenance: [24-hour number]
Container System Support: [Phone number]

Gantry Control Vendor: [Emergency support number]

Backup Equipment Rental: [Phone number]

Documentation Requirements

Incident Documentation

Required for All Container Incidents: - Container Misrouting Report - Manual Override Authorization (if applicable) - Safety Assessment Documentation - Corrective Action Documentation - Personnel Involved Record

Follow-up Documentation

Within 24 Hours: - Complete incident analysis - System restoration verification - Lessons learned documentation - Process improvement recommendations - Training need assessment

Success Criteria

- Safe and timely correction of container misrouting incidents
- · Effective manual operation during system failures
- · Maintained personnel safety during emergency operations
- Successful transition back to normal operations
- Comprehensive documentation for continuous improvement

Related Documents

· Manual Override Authorization Process

- CCTV Blackout Response SOP
 Safety Risk Assessment Template
 Multi-System Failure Coordination Guide
 Technical Containment Guide