

Walk-in cold-room goods handling - JSA - B

en-SG · Technical failure review · v1.0 · 2026-10-14 · Sources: article section 9

Site: _____ | Item ID: _____ | Work area: _____

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time		Location / area		Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Test escape							
HP-2 Enter and notify							
HP-3 Respond to delay							
HP-4 Close and transfer							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Test escape	1. Communication failure 2. Darkness 3. Delayed warning	1. Phone assumed working 2. Light defective 3. Alarm not tested	1. Test actual communication 2. Verify lighting 3. Confirm response to alarm	1. Receiver test 2. Light condition 3. Alarm response				
2. Prepare route	1. Cart runaway 2. Blocked doorway 3. Cold hand injury	1. Wheels unsuitable 2. Goods in exit 3. Gloves wet	1. Inspect cart control 2. Clear escape route 3. Use dry suitable clothing	1. Wheel and brake state 2. Doorway clearance 3. Gloves and footwear				
3. Enter and notify	1. Cold overexposure 2. Door collision 3. Blocked retreat	1. Return time absent 2. Cart spans opening 3. Route changes	1. Agree return check 2. Keep door area clear 3. Confirm exit route	1. Expected return 2. Cart position 3. Exit path				
4. Pick goods	1. Back strain 2. Hand numbness 3. Cold wet clothing	1. Load held awkwardly 2. Symptoms ignored 3. Clothing gets wet	1. Use stable manageable loads 2. Stop for cold symptoms 3. Replace wet clothing	1. Load stability 2. Worker condition 3. Clothing condition				
5. Exit and count	1. Repeat cold exposure 2. Cart strikes person 3. Door obstructed	1. Warm break skipped 2. Exit congested 3. Cart left at door	1. Take planned warm recovery 2. Control cart route 3. Leave escape clear	1. Warm recovery check 2. Cart and load position 3. Doorway condition				
6. Respond to delay	1. Rescuer exposure 2. Refrigerant exposure 3. Delayed help	1. Blind reentry 2. Alarm ignored 3. Contact lost	1. Prevent unplanned rescue entry 2. Exclude alarm area 3. Call trained assistance	1. Last contact 2. Alarm and hazard state 3. Responder information				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Receiver test	☐ Wheel and brake state	☐ Expected return
☐ Load stability	☐ Warm recovery check	☐ Last contact
☐ Alarm response	☐ Clothing condition	☐ Responder information