

BAGGAGE HANDLING SYSTEM (BHS)

LEVEL 6 SPECIAL EQUIPMENT INSPECTION TEST PLAN

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1 Level 6 Special Equipment Inspection

This document describes the level 6 Mechanical Special Equipment Static Inspection.

For the Changi International Airport Terminal 2(SIN-T2) BHS project, all Mechanical Special Equipment Installation related to the BHS System will be tested according to the dedicated test sheets indicated in this document. The criteria for the tests are described in the respective test sheets.

Each type of tests and the respective test sheets are found in *Appendices – Test Cases*.

1.1 Tests Special Equipment Requirement

In order to perform the check, the following equipment should be available:

- a. Measuring tape
- b. Writing paper for notes
- c. Pen/Pencil/Highlighter
- d. Special Equipment layout/ construction drawing.

2 Special Equipment Acceptance Test Procedure

2.1 Safety of Personnel and Equipment

Testing should be carried out by person with due regard for the safety of personnel and equipment.

2.2 Recording of the Results

All test results are to be recorded in a Test Sheet associated with the functional units or sub-system for the acceptance testing. This document shall be identified as the Test Master Copy. The Test Sheet would contain the following:

- A copy of the test procedure
- Test record sheets with result clarifications.

2.3 Location of test

All testing will be performed on site.

2.4 Manpower required for the test

As mentioned in test sheets.

3 Special Equipment Static Inspection Test Procedure

Mechanical Static Inspection Test Procedure

3.1 Special Equipment : Make-up & Claim Carousel

Unit / Line to be tested:	Test level: 6
Expected duration: Approx. 15 min /Unit	
Unit to be tested: Conveyor Equipment and Devices <input type="checkbox"/> Factory Acceptance Test <input type="checkbox"/> Structure Inspection Test <input checked="" type="checkbox"/> Mechanical Inspection Test <input type="checkbox"/> Electrical Inspection test <input type="checkbox"/> Functional Test <input type="checkbox"/> Conv. System and Interface Test <input type="checkbox"/> Integration and Baggage Processing Test <input type="checkbox"/> Acceptance Test and Handover	Man Power: 1
Tools Required : - Measuring tape - Writing paper for notes - Pen/Pencil - Highlighter	Ref. Doc./DWG:
Test Report : Refer to the attached Test Result Form MSI-ML6-Make-up & Claim Carousel	
Test Specification: 1. Check vertical clearance 2. Check for major paint damages 3. Check support legs are anchored 4. Check belt joint only if lacing done at site. 5. Check if motor is secured properly 6. Check strip-door-type draft curtain installed* 7. Check fire/security door is properly installed* 8. Check traffic aisles clear to minimum vertical clearance as per specification.* etc <i>*If applicable to the line under inspection.</i>	
Expectation from the test: 1. All physical clearance are acceptable 2. Check if there are no major paint damages. 3. Support legs are anchored properly 4. Belt joining are acceptable 5. Motors are secured properly 6. All points which need to be installed properly shall be verified visually if installed properly.	
Results / Comments: - If functionality of system is not affected because of snags, the test is declared "PASSED". - If functionality of system is affected because of snags, the test is declared "FAILED".	

MSI–ML6–Make-up & Claim –Mechanical Static Inspection Test Sheet Result

Test Result: Form MSI–ML6–Make-up & Claim Carousel -

Test Results Evaluation:

tick (√) for Passed, cross (X) for Failed or “NA” for not applicable:

Inspection Item							
1. Check for major paint damages or stainless steel outer surface scratch free for claim carousel							
2. Check for sharp edges or sheer burs							
3. Check Geared Motor - Motor ID as per equipment list.							
4. Check Geared Motor - Installation of speed reducer (Torque arm/Drip pan/ No leakage) with proper lubricant level.							
5. Check Belt – Drive belt tension should be proper.							
6. Check Chain Block – Pin connection to be proper.							
7. Check face plate & safety bumper – To ensure provided.							
8. Check safety bumper – Bumper edges do not protrude baggage flow							
9. Check safety bumper – Check that no excess gap between bumpers front edge & carousel side guard.							
10. Check Kick Plate – To be install to all straight & curve sections							
11. Check support legs are anchored							
12. Check Infill – Ensure Infill maintenance access has provided as per approved drawing.							
13. Motor starter box installed.							
14. E-stop/Land yard installed.							
15. Control station installed for make-up only.							
Description of Snags (if any):							
Test Date:	Tested By:						