



Annual Escalator Safety Test Form – Step/Skirt Performance Index

Test form and charts must be submitted within five days of the completion of the test to:

Email: elevators@com.ohio.gov or Fax: 614-644-2428

- Safety tests are required to be performed as outlined in ASME A17.1 part 8, and Ohio Revised Code Section 4105.
- This test is required in addition to the field inspections by the state of Ohio. State Inspectors do not perform safety tests.
- Additional explanations of each test component can be found in the ASME A17.2 Inspector's Manual

Owner ID#:		State ID#:	
Location:		Address:	
City:		ZIP:	County:

Company Conducting the Test:		Person Conducting Test: print	
Address:		City:	ZIP:
Phone:		Email:	Signature:
		Date:	

Year of Installation:	Total Travel (ft):	Rated Speed (fpm):
People per hour (pph):	Normal Direction of travel (___ up), (___ down), (___ up & down)	

Yes	No	Step/Skirt Performance Index				
		Is all equipment calibrated and current?	Expiration Date:	Processor:	Head:	
		Was the unit tested in the normal direction of travel?				
		Was the applied load 25 lbf?				
		Was a new index polycarbonate test specimen used for each run meeting the requirements of ASME A17.1, 2016 -6.1.3.3.9?				
		Does this unit have skirt deflection devices (Brushes)?				
		Were all procedures followed per the equipment's manufacturer's requirements?				
		Did the escalator meet one of the applicable conditions below using the highest measurement obtained?				
		How many steps between tests? (Test steps must be separated by a minimum of 8.)				
		What were the Step/Skirt Performance Index measurements?	Step 1 Left	Step 1 Right	Step 2 Left	Step 2 Right
		<i>Note: Data shall be continuously collected from curved skirt panel at rated speed until curved skirt panel at the opposite end.</i>				

Check one of the following three items as described in ASME A17.1 2016 Item 8.6.8.3.3

1	Condition 1: All units range ≤ .15 (applies to all units without skirt deflection devices, regardless of age)
2	Condition 2: Escalators installed under ASME A17.1a-2002 and later editions Range: ≤ .25 with skirt deflection devices.
3	Condition 3: Escalators installed under ASME A17.1-2000 and earlier editions Range: ≤ .4 with skirt deflection devices.

Step-Skirt Clearance/Loaded Gap – Clearances shall be maintained in compliance with applicable adopted codes. See 8.6.8.2, Measurements need to be taken at several locations especially near the transition entrance and exit.

Check one of the following. → <u>Indicate</u> the maximum clearance(s) measured between skirt & step: Location Clearance (in)	1	Install date pre-1971 not more than 4.8 mm (3/16 in) on either side with a total of both sides not more than 6.4 mm (1/4 in) in. per Ohio Red book. (Static test)
	2	Install date 1971 thru 1979 not more than 9.5 mm (3/8 in.) on each side. (Static test)
	3	Install date 1980 thru 1999 not more than 4.8 mm (3/16 in.) on each side. (Static test)
	4	Install date 2000 to present the clearance (loaded gap) not more than 5 mm (0.2 in.) when 110 N (25 lbf) force is laterally applied from the step to the adjacent skirt panel. See 6.1.3.3.5.

Yes	No	DID THE UNIT PASS ALL TESTING REQUIREMENTS PRIOR TO BEING RETURNED TO SERVICE? *
*The unit may not return to service if any safety device failed.		