

Inspection, Testing, and Maintenance

WAC 296-870-300

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YOUR RESPONSIBILITY:

To make sure powered platforms are inspected, tested, and maintained to keep them in safe operating position

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Rule

WAC 296-870-30005

Maintenance

You must

- Make sure all parts of the equipment that affect safe operation are maintained in proper working order so they are able to perform their intended functions. This includes, but isn't limited to, all of the following:
 - Roof systems including roof track systems, tie-downs, or similar equipment
 - Building face guiding members including T-rails, indented mullions, or equivalent guides located in the face of a building
 - Brackets for cable stabilizers.
- Take out of service any equipment that isn't in proper working order.
- Make sure the following parts are kept clean:
 - Control or power contacts and relays

and

 - All other parts whose proper function would be affected by dirt or other contaminants.



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Rule

WAC 296-870-30010

Initial installation and after major modification inspection and testing

You must

- Make sure a completed powered platform installation has been inspected and tested by the building owner:
 - Before it was first placed into service
 - and**
 - Before it was returned to service after major modification was done.
- Make sure the inspection and tests determined that:
 - All parts of the installation met the applicable requirements of this chapter
 - and**
 - All safety and operating equipment functioned as required.



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Rule

WAC 296-870-30015

Before use inspections and tests

You must

- Complete the inspections and tests contained in Table 1, Before Use Inspections and Tests, before allowing persons to use the platform.

Table 1
Before Use Inspections and Tests

What	When	Inspection and test requirements
Working platforms and their components	<ul style="list-style-type: none">• Before every useand• After each occurrence which might affect the platform's structural integrity	Inspect for visible defects
Suspension wire ropes	<ul style="list-style-type: none">• Before every useand• After each occurrence which might affect the wire rope's integrity	Visible inspection by a competent person for defects and gross damage
Governors and secondary brakes	Before use each day	Test before use. If testing isn't feasible, visually inspect the brake to make sure it's free to operate
Hoists	Each day before lowering personnel below the top elevation of the building	Test in the lifting direction with the intended load to make sure it has sufficient capacity to raise personnel back to the boarding level

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Rule

WAC 296-870-30020

Periodic inspections and tests

You must

- Make sure the building owner has completed and documented the periodic inspections and tests shown in Table 2.
- Make sure any documentation required by Table 2, Periodic Inspections and Tests, is readily available for your own review and that of the director or an authorized representative.
- Make sure suspension wire rope is used and maintained as specified in the wire rope manufacturer's recommended procedures.
- Remove from service a wire rope that has any of the following:
 - Broken wires exceeding three wires in one strand or 6 wires in one rope lay
 - Distortion of rope structure such as would result from crushing or kinking
 - Evidence of heat damage
 - Evidence of rope deterioration from corrosion
 - A broken wire within 18 inches (460.8 mm) of the end attachments
 - Noticeable rusting and pitting
 - Evidence of core failure. This could be indicated by a lengthening of rope lay, protrusion of the rope core and a reduction in rope diameter
 - More than one valley break (broken wire)
 - Outer wire wear exceeds 1/3 of the original outer wire diameter
 - Any other condition which the competent person determines has significantly affected the integrity of the rope.

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Rule

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Periodic inspections and tests (Continued)

Table 2
Periodic Inspections and Tests

What to inspect	When to inspect	Inspection and test requirements	Building owner documentation
Related building supporting structures	Intervals not exceeding 12 months	Inspection by a competent person	Keep a certification record of each inspection and test that includes all of the following <ul style="list-style-type: none"> – Date of the inspection – Signature of the person who performed the inspection – Number, or other identifier, of the building support structure and equipment which was inspected
All parts of the equipment including control systems	Intervals specified by the manufacturer or supplier, but not to exceed 12 months	Inspection and test, where necessary, by a competent person to determine: <ul style="list-style-type: none"> – They are in a safe operating condition and – Parts subject to wear, such as wire ropes, bearings, gears, and governors haven't worn to such an extent as to affect the safe operation of the installation 	
Working platform	Every 30 days and Before each work cycle if the work cycle is more than 30 days	Maintenance inspection and test by a competent person following procedures recommended by the manufacturer	Keep a certification record of each inspection and test that includes all of the following: <ul style="list-style-type: none"> – Date of the inspection and test – Signature of the person who performed the inspection and test – An identifier for the platform installation which was inspected



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Rule

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Periodic inspections and tests (Continued)

Table 2
Periodic Inspections and Tests

What to inspect	When to inspect	Inspection and test requirements	Building owner documentation
Governors and secondary brakes	Intervals specified by the manufacturer or supplier but not to exceed 12 months	<p>Inspection and test by a competent person. Results need to confirm:</p> <ul style="list-style-type: none"> – The initiating device for the secondary braking system operates at the proper overspeed <p>and</p> <ul style="list-style-type: none"> – The secondary brake is functioning properly <p>If any hoisting machine or initiating device for the secondary brake system is removed from the equipment for testing, reinspect all reinstalled and directly related components before returning the equipment installation to service</p>	
Suspension wire ropes	<ul style="list-style-type: none"> • Once a month for ropes in service <p>and</p> <ul style="list-style-type: none"> • Before they are returned to service for ropes that have been out of service for 30 days or more 	A thorough inspection by a competent person	<p>Keep a certification record of each monthly inspection that includes all of the following:</p> <ul style="list-style-type: none"> – Date of the inspection – Signature of the person who performed the inspection – Number, or other identifier, of the wire rope which was inspected



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Rule

WAC 296-870-30025

Reshacking and resocketing wire ropes

You must

- Make sure the nondrum ends of hoisting wire ropes are reshacked or, if the rope uses poured socket fastenings, resocketed at intervals not exceeding 24 months.
- Make sure enough rope is cut from the end of the rope during reshacking or resocketing to remove any damaged or fatigued portions.
- Make sure resocketed ropes meet the requirements of Suspension wire ropes and rope connections, WAC 296-870-70085.
- Make sure limit switches affected by resocketed ropes are reset if necessary.

WAC 296-870-30030

Disabling safety or electrical protective devices

You must

- Make sure no person renders any required safety devices or electrical protective devices inoperative unless necessary for tests, inspections, or maintenance.
- Restore any disabled devices to normal operating condition immediately after the test, inspection or maintenance is completed.

