

2012 Stakeholder Meeting



WELCOME



New Codes



- **ANSI/ASME A17.1 2010, Safety Code for Elevators and Escalators**
- **ANSI/ASME A17.6 2010 Standard for Elevator Suspension, and Governor Systems**
- **ANSI/ASME A17.7 2007 Performance-based Safety Code for Elevators and Escalators**

Codes



- **Effective date July 1, 2012**
- **New plans should be designed to 2010 code**
- **All plans submitted after July 1, 2012, will be required to meet new code**

HB469



LEGISLATURE OF THE STATE OF IDAHO
Sixty-first Legislature Second Regular Session - 2012

IN THE HOUSE OF REPRESENTATIVES

HOUSE BILL NO. 469

BY BUSINESS COMMITTEE

AN ACT

RELATING TO CONVEYANCES IN BUILDINGS; AMENDING SECTION 39-8606, IDAHO CODE,
TO REVISE REGULATION AND STANDARDS FOR CERTAIN BUILDINGS AND TO MAKE A
TECHNICAL CORRECTION; AND DECLARING AN EMERGENCY.

Be It Enacted by the Legislature of the State of Idaho:

SECTION 1. That Section 39-8606, Idaho Code, be, and the same is hereby
amended to read as follows:

39-8606. SCOPE -- EXEMPTIONS. (a) The provisions of this chapter
shall apply to all conveyances within the state of Idaho except the following
or as provided in subsection (b) of this section:

- (1) Conveyances located in private residences;
- (2) Conveyances in ~~federally-owned~~ federally owned facilities;
- (3) Conveyances permanently removed from service or made effectively
inoperative; and
- (4) Conveyances erected temporarily for use only during construction
work that are of such a design that they must be operated by a workman
stationed at the hoisting machine.

(b) Conveyances erected before July 1, 2004, pursuant to section
39-8614(3), Idaho Code, are subject only to the requirements of the safety
code for existing elevators and escalators (ASME A17.3). Such conveyances,
however, shall also be exempted from any requirements of that ASME A17.3 re-
quiring conveyances to be modified with upgrades or replacements that would
fall within the definition of "modernization" as defined in section 39-8603,
Idaho Code, or to be modified with additional safety features falling within
the definition of "alteration" unless:

- (1) The total cost of the modification is less than five thousand dol-
lars (\$5,000); or
- (2) The conveyance is not situated in a privately owned business facil-
ity; or
- (3) The facility in which the conveyance is located is being altered,
as defined within the provisions and guidelines applicable to the Amer-
icans with disabilities act of 1990 and amendments thereto, provided
that said alterations are significant in that they affect the accessi-
bility of the majority of floor space on at least one (1) floor of the
building.

SECTION 2. An emergency existing therefor, which emergency is hereby
declared to exist, this act shall be in full force and effect on and after its
passage and approval.

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- The total cost of the modification is less than five thousand dollars (\$5,000); or
- The conveyance is not situated in a privately owned business facility; or
- The facility in which the conveyance is located is being altered, as defined within the provisions and guidelines applicable to the Americans with disabilities act of 1990 and amendments thereto, provided that said alterations are significant in that they affect the accessibility of the majority of floor space on at least one (1) floor of the building

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- The Idaho Elevator Safety Code Act (the "Act"), which became law on July 1, 2004, requires, among other things, owners of buildings with elevators to "modernize" their elevators by installing safety upgrades. Compliance with some of the modernization requirements will present significant financial challenges to owners of buildings with elevators installed prior to July 1, 2004. The intent of this proposal is to help mitigate the costs of modernization (as defined in the Act and in ASME A17.3) by requiring those building owners to make alterations or install new equipment only when the cost of the alteration or upgrade is less than \$5,000. These elevator conveyances will still be required to meet all other safety requirements required by the Safety Code for Existing Elevators and Escalators, which pursuant to the Act applies to conveyances placed into operation before July 1, 2004.
- The proposal also provides that if the building owner makes significant alterations to the building and those alterations fall within the scope of the Americans with Disabilities Act of 1990 ("ADA"), the exemptions expressed in this proposal would not apply.

HB469 ~ Definitions



- Act – “Modernization” means the replacing or upgrading of any major operating component(s) of a conveyance.
- Act – “Major Alteration” means any change to equipment other than maintenance, repair or replacement where work is defined by any applicable code requirement.
- A17.3 – Alteration: any change to equipment, including its parts, components, and/or subsystems, other than maintenance, repair, or replacement.

HB469 ~ When does it apply?



- When the cost of the modification exceeds \$5000 and,
- The conveyance is in a privately owned building and,
- The building is not being remodeled for ADA accessibility.

**Note the elevator has to be older than 2004.*

HB469 ~ When does it not apply?



- **This amendment:**
 - ❖ **does not exempt elevators from being inspected every five years by the State of Idaho**
 - ❖ **does not cover repairs**
 - ❖ **multiple alterations totaling \$5,000+; a specific item would need to be more than \$5000 to be exempt**

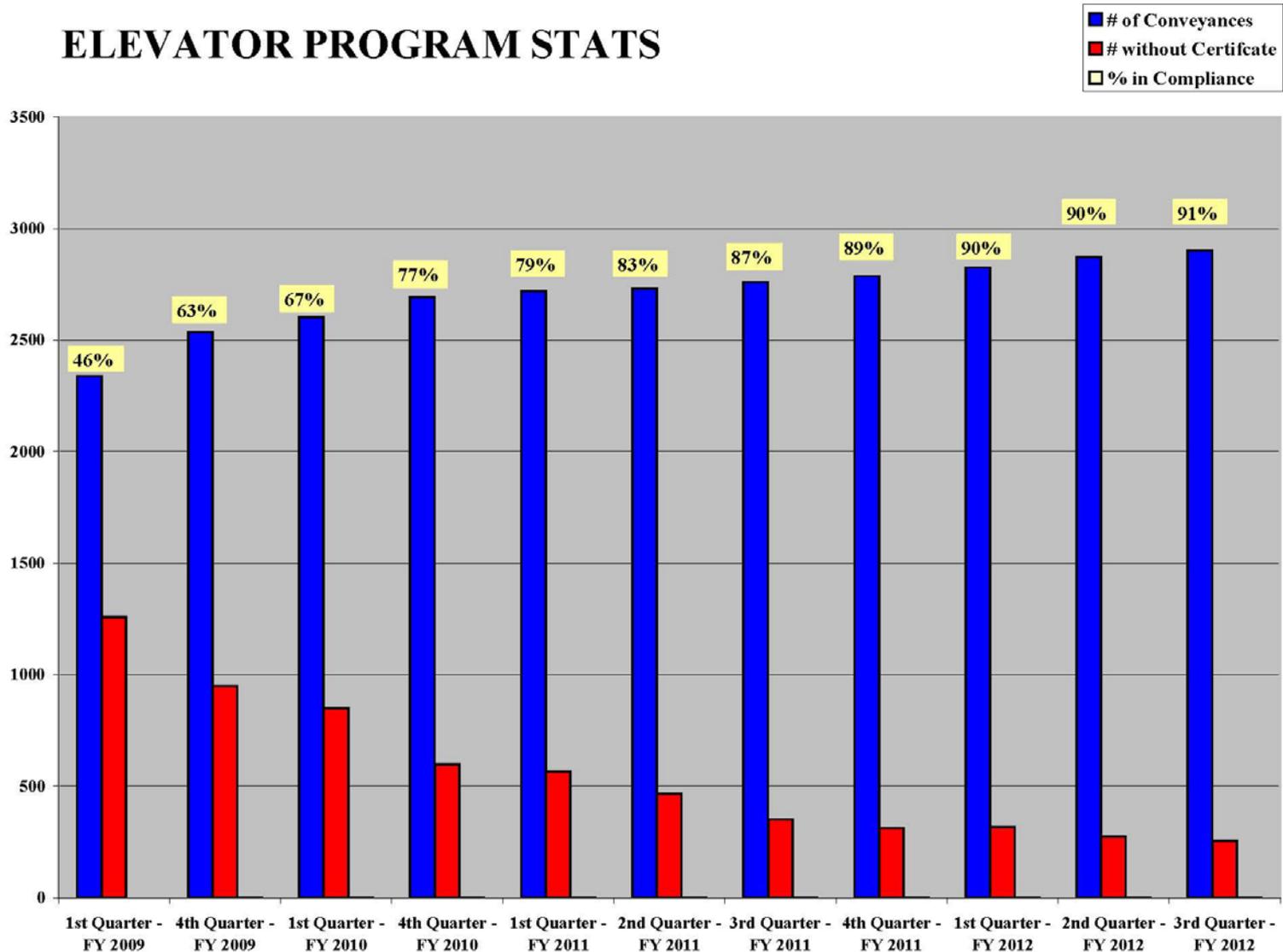
HB469 ~ How to apply for exemption



- Fill out completely an **Alternate Construction or Materials Request**
- Specifically request exemption per HB469
 - ❖ State which item from the elevator inspection report meets the exemption requirements
- Include one bid showing work to exceed \$5000 for the specified item
- When approved the alternate construction or materials request will be sent to the owner and a copy kept on file

Where are we?

ELEVATOR PROGRAM STATS



TrakiT Program



- **Elevator reports are now going out electronically**
 - ❖ Only one email address can be on file for owner and one for elevator company
 - ❖ Final reports with no discrepancies will not receive a report
 - ❖ A second email will be sent with elevator report if discrepancies are noted
- **Phased implementation**
- **We are moving forward to do even more**

Example of automated TrakiT email



*****AUTOMATED INSPECTION RESULT NOTIFICATION*****

To: Idaho Power Company

Inspection: ELV-5 YEAR

On State ID: H001601

At address:

Idaho Power Boise Ops

10790 West Franklin Road

Boise, ID 83709

Was inspected by: MIKE POULIN

And was given the result: PASS

On: 5/17/2012

NOV ~ Notice of Violation



§ 39-8620. Civil penalty for violation of chapter -- Notice

(1) The administrator may assess a penalty against a person violating a provision of this chapter. The penalty shall be not more than five hundred dollars (\$ 500) per violation. Each day that the violation continues is a separate violation and is subject to a separate penalty.

(2) The administrator shall notify the violator of his action and the reasons for his action in writing. The administrator shall send the notice by certified mail to the violator's last known address. The notice shall inform the violator that a hearing may be requested under the provisions of the Idaho administrative procedure act, chapter 52, title 67, Idaho Code. A request for a hearing shall not stay the effect of the penalty.

NOV ~ Violations



§ 39-8608. Installation permits required -- Application -- Posting -- Exceptions -- Other licenses, permits and inspections

- (1) On and after July 1, 2004, it shall be unlawful for any person to do, or cause or permit to be done, whether acting as principal, agent or employee, any installation or major alteration of any conveyance in the state of Idaho without first procuring an installation permit from the division of building safety authorizing the work to be done.
- (2) The owner of a conveyance shall submit an application for the permit in a form that the division may prescribe. A copy of the plans or specifications for the installation, erection, major alteration, or relocation shall be attached to the permit application.
- (3) The permit issued by the division shall be kept posted conspicuously at the site of installation.

NOV ~ Violations



§ 39-8610. Temporary certificate to operate

A temporary certificate to operate may be issued by the administrator. No temporary certificate shall be issued when life-safety nonconformances are present. Before the expiration of the temporary certificate, the conveyance shall be reinspected and a five (5) year certificate to operate shall be issued or the conveyance shall be put out of service.

§ 39-8611. Certificate to operate

(1) Inspection and certificate. No conveyance shall be placed into operation until an inspection has been performed and a certificate to operate has been issued by the division.

(2) Inspection prior to issuance. A certificate to operate may be issued only if, after a thorough inspection, the QEI finds that the conveyance meets the required safety standards. If the conveyance is found to be unsafe, the division shall prohibit the use of the conveyance until it is made safe. Conveyances shall comply with the codes set forth in section 39-8614, Idaho Code.

NOV ~ Violations



§ 39-8613. Order to discontinue operation -- Notice -- Conditions -- Contents of order -- Re-scission of order -- Violation -- Penalty -- Random inspections

(5) An owner or a person that knowingly operates or allows the operation of a conveyance in contravention of an order to discontinue operation, or that removes a notice not to operate, is:

- (a) Guilty of a misdemeanor; and
- (b) Subject to a civil penalty.

§ 39-8618. Inspection reports and compliance agreements

(4) An owner's failure to complete the corrective actions set forth in the compliance agreement shall constitute grounds for the imposition of civil penalties and such further action as the division may deem appropriate if the owner:

- (a) Fails to initiate corrective action; and
- (b) Fails to provide evidence of compliance within thirty (30) days of the owner's receipt of written notice from the division of a failure to comply.

NOC ~ Notice of Correction



- This will be the new elevator report format
 - ❖ Will be sent out electronically
 - ❖ Will have a space to sign and send back in before a re-inspection will be scheduled
 - When reinspection occurs and work is not complete a reinspection fee may be charged

NOC ~ Example

Please Sign and Return To:

Idaho Division of Building Safety
1080 E Watertower Street, Suite 150
Meridian, ID 83642

Office: 1-800-955-3044
Fax: 1-877-810-2840
E-mail: customer.service@dbs.idaho.gov

CORRECTION NOTICE

Permit No: ELE-P-129419

Date: 05/21/2012

Officer: LAMONT GIBSON 208-251-3555

Case No: ELE1205-0106

Contractor Number:

Owner/Contractor: Scott Piggott

Installation Not Approved



135 Lake Vista Drive
FISH HAVEN, ID 83287

Job Location:

135 LAKE VISTA DR, Fish Haven, ID 83287

An inspection of the installation was made in accordance with the provisions of Idaho Code title 54 at the premise named above. This inspection revealed the following Code violations. The law requires that these violations be corrected and this notice signed and returned to the Division of Building Safety by the date specified below. NOTE: Failure to correct these Code violations, and/or failure to correct them within the specified time constitutes a misdemeanor, and may result in the assessment of civil penalties (up to \$1000), revocation or suspension of contractor and journeyman licenses, and/or disconnect of the service, if applicable. A written request for extension of time, if needed, must be made within the allotted time period shown below.

Violation Code/Description	Location
ELE - National Electrical Code (5/21/2012 9:34 AM LGJ) As per code section 410.16 (B) Incandescent luminaires with open or partially open lamps are not permitted in closets where flammable materials are stored. I found what looks to be an incandescent light with only a metal mesh gaurd on it in the closet. This does not meet the requirement. Suggest you install a scouce or other fixture that is totally enclosed or a flouescent with a pull chain switch is acceptable.	410.16 B Requirements for enclosed incandescent lights in clothes closets

NOTICE

You must correct the above listed violations, sign and return this notice to the Division of Building Safety at the above mailing address, fax number, or email to customer.service@dbs.idaho.gov no later than: 06/04/2012 or request, in writing, an extension no later than: 06/04/2012. Signing and returning this document constitutes a request for reinspection - if required above - and an inspection will be scheduled by the Division following receipt of this form. You may also request an inspection through the Automated Telephone System at (800) 839-9239 or through the DBS website at <http://dbs.idaho.gov>

I hereby acknowledge receipt of the notice and certify that the above corrections have been made.

Signature: _____

Date: _____

Plan Review



- **Current Procedures:**
 - ❖ Application and Fees are received
 - ❖ Full set of construction plans and elevator plans with all specifications received
 - ❖ Plan review processed within two weeks
 - ❖ Email sent with word document showing any notations from plans examiner that need to be addressed
- **Phased implementation:**
 - ❖ Application and Fees are received
 - ❖ Full set of construction plans and elevator plans with all specifications received
 - ❖ Plan review processed within two weeks
 - ❖ TrakiT will issue a construction permit
 - This permit will be required to be posted on jobsite before work can start

When will it happen?

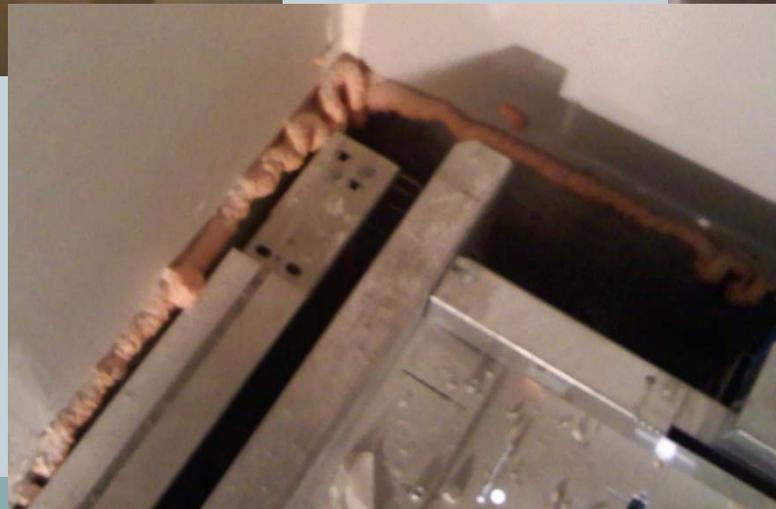


- We would like to implement as soon as possible after July 1, 2012.
- No set date at this time due to testing and ongoing design issues.

Orange Foam



Photos of use in a elevator shaft



Orange Foam Specifications



GREAT STUFF™ Fireblock Insulating Foam Sealant is an easy way to provide fire protection by reducing air movement in your home. By sealing the annular space surrounding your pipes, cables and ducts, the rate and speed of flames, deadly gasses and toxic smoke are minimized. At the same time, it helps you conserve energy, reduce drafts and save on heating and cooling costs. **GREAT STUFF™ Fireblock** is a minimal expansion polyurethane insulating foam sealant that fills, seals and insulates gaps up to 1/2 inch. Like all **GREAT STUFF™** products, it is polyurethane based and will not absorb water.

- Fills, seals and insulates gaps up to 1/2 inch
- Impedes spread of fire and smoke through service penetrations
- Recognized as an Alternate Fireblocking material for residential construction
- Tested according to ASTM E84, ASTM E814 (modified), UL 1715
- Bright orange colored foam for easy code identification
- Seals service penetrations between floors
- Seals electrical runs through wall studs
- Airtight, water-resistant
- Tack free in 6 minutes, trims in 30 minutes
- Cures rigid in 8 hours
- Exceptional adhesion to building materials
- One 12 oz. can = up to 19 tubes of caulk
- One 16 oz. can = up to 24 tubes of caulk
- All-direction dispensing
- UL Classified

Orange Foam



- **Allowed for use as residential fire blocking**
 - ❖ Tested according to ASTM E84, ASTM E814 (modified), UL 1715
 - ❖ ASTM E84 Test methods for surface burning characteristics of building materials
 - ❖ ASTM E814 Test method of fire tests of through-penetration firestops
 - ❖ UL 1715 Fire test of interior finish materials

Orange Foam



- **Fire – Resistance Rating must be tested to**
 - ❖ **ASTM E 119 Test method for fire tests of building construction and materials**
 - ❖ **UL 263 Standard for fire test of building construction and materials**

Orange Foam



- We will allow orange foam to be in the hoistway if you have a letter from the local building official saying it meets with their approval

Wind Farms



- Currently there are 3 that have contacted us and started the process for installing tower personnel lifts
- AECO approval a must for these
- One location is on track for installation of 60 lifts to be inspected June through September this year

Annual Exams



- **Need to have companies or owners send in copies of the annual exam**
 - ❖ **The annual invoice will always remind the owners to have this done every year**
 - ❖ **The annual exam does not need to be done when the annual invoice is due**

Maintenance Control Program



- Examination and maintenance of equipment at scheduled intervals based on:
 - ❖ Equipment age
 - ❖ Design and quality of equipment
 - ❖ Usage
 - ❖ Environmental conditions
 - ❖ Improved technology
 - ❖ Manufacturer's recommendations for any SIL rated devise

MCP Requirements



- **Cleaning, lubricating, and adjusting applicable components at regular intervals and repairing or replacing components**
- **Test of equipment at scheduled intervals**
- **All code required written procedures**
- **Instruction for locating MCP shall be provided in or on the controller**
- **Maintenance records to be kept at central location**

MCP Requirements continued



- MCP needs to be accessible to the elevator personnel
- Procedures for tests, periodic inspection, maintenance, replacement, adjustments, and repair for all SIL rated devices
- If unique or product-specific procedures or methods are require to inspect or test they must be included in MCP's
- Procedures for tests, inspection, maintenance, replacement, adjustment and repairs of traction loss detection means, broken-suspension-member detection means, residual-strength detection means, and related circuits

MCP's ~ Where are they going from here?



- Being total revised in the next code cycle
- Debate over who owns them
- Can not be one size fits all