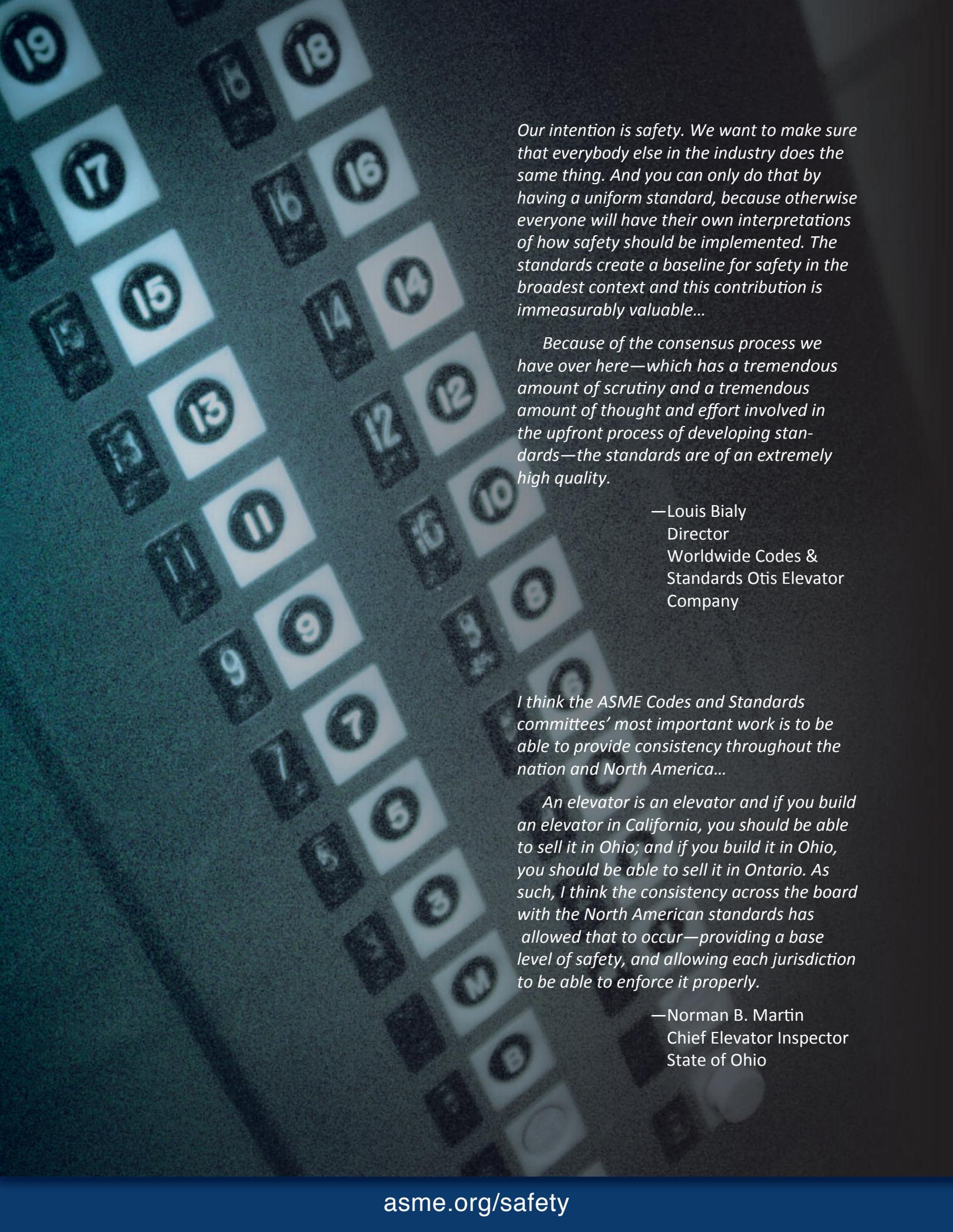


# Elevators Escalators Safety



**ASME A17**  
**Safety Codes and Standards**  
and Related Offerings for  
**Elevators, Escalators,**  
Moving Walks, Material Lifts  
and Dumbwaiters



*Our intention is safety. We want to make sure that everybody else in the industry does the same thing. And you can only do that by having a uniform standard, because otherwise everyone will have their own interpretations of how safety should be implemented. The standards create a baseline for safety in the broadest context and this contribution is immeasurably valuable...*

*Because of the consensus process we have over here—which has a tremendous amount of scrutiny and a tremendous amount of thought and effort involved in the upfront process of developing standards—the standards are of an extremely high quality.*

—Louis Bialy  
Director  
Worldwide Codes &  
Standards Otis Elevator  
Company

*I think the ASME Codes and Standards committees' most important work is to be able to provide consistency throughout the nation and North America...*

*An elevator is an elevator and if you build an elevator in California, you should be able to sell it in Ohio; and if you build it in Ohio, you should be able to sell it in Ontario. As such, I think the consistency across the board with the North American standards has allowed that to occur—providing a base level of safety, and allowing each jurisdiction to be able to enforce it properly.*

—Norman B. Martin  
Chief Elevator Inspector  
State of Ohio

# About ASME A17

Elevators and escalators have long been considered the safest form of public transport, delivering millions and millions of rides without anomalies. A17 is a key reason why.

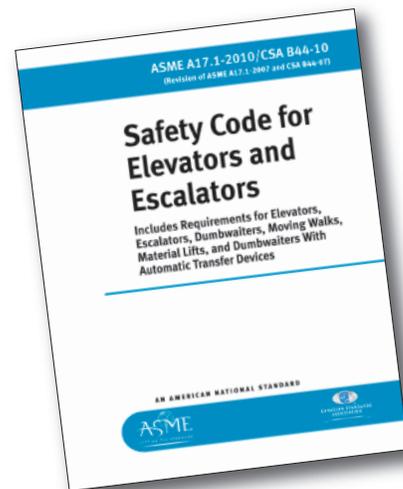
The ASME A17.1 / CSA B44 Safety Code for Elevators and Escalators has become the accepted guide throughout North America for the design, construction, installation, operation, inspection, testing, maintenance, alteration, and repair of elevators, escalators and related conveyances. First published by ASME in 1921, A17.1 has been a primary source for all subsequent standards governing elevators and escalators worldwide.

ASME offers a comprehensive suite of A17 offerings, addressing further aspects of safety from multiple perspectives. Together, they comprise an essential reference for anyone engaged in the safety of elevators and escalators.

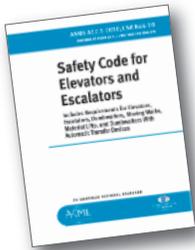
ASME also offers training and development, from the same technical and industry experts who develop the A17 standards in consensus committees. Build your expertise, direct from the source.

**Intended for** anyone engaged in the safety of elevators, escalators and related conveyances, including:

- Design, engineering and manufacture
- Installation, operation, testing, maintenance, alteration and repair
- Inspection
- Plans, contracts, administration, insurance and liability
- Property, facilities and plant management
- Emergency response
- Education and public reference



# ASME A17 Safety Codes & Standards



## A17.1/CSA B44 - 2010 Safety Code for Elevators and Escalators

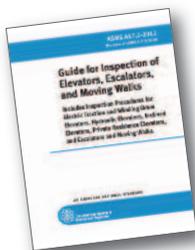
ISBN: 9780791833117  
Order Nos.: A09610 (Print-Book) /  
A0961Q (Digital PDF)

*Intended as the basis for the design, construction, installation, operation, testing, inspection, maintenance, alteration, and repair of elevators, dumbwaiters, escalators, moving walks, and material lifts. Incorporates changes made in A17.1a-2008 and A17.1b-2009.*

### Major changes for the 2010 edition include:

- (a) former periodic inspections now being covered under maintenance requirements;
- (b) additional types of suspension means;
- (c) elevator illumination updated;
- (d) allowance of energy conservation methods in escalator usage;
- (e) revisions of folding car-door requirements covering top-of-car clearances;
- (f) updated communication requirements in elevators and;
- (g) additional Type B Material Lift requirements.

**Don't delay!** With the 2010 edition, you benefit immediately from the most current industry best-practices, while helping to anticipate possible changes for your code compliance.



## A17.2 - 2012 Guide for Inspection of Elevators, Escalators and Moving Walks

ISBN: 9780791834299  
Order Nos.: A15212 (Print-Book) /  
A1521T (Digital PDF)

Features new guidelines on: (a.) machine-room-less (MRL) configurations; and (b.) inclined elevators. Adds non-mandatory Appendix Checklist for Firefighters' Service of Automatic Elevators. Provides updated cross-references and additional guidelines to coordinate with A17.1-2007.

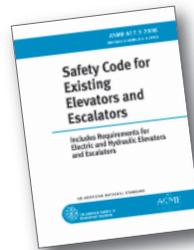


## A17.1/CSA B44 - 2010 Handbook on Safety Code for Elevators and Escalators

ISBN: 9780791833506  
Order Nos.: A11211 (Print-Book) /  
A1121Q (Digital PDF)

Contains the rationale for A17.1 Code requirements, plus explanation, examples, and illustrations of the implementation of these requirements.

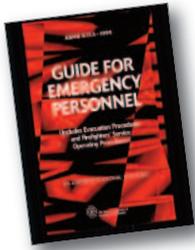
Don't delay! With the revised A17.1 safety code, plus the A17.1 handbook, you benefit immediately from the most current industry best-practices, while helping to anticipate possible changes for your code compliance.



## A17.3 - 2011 Safety Code for Existing Elevators and Escalators

ISBN: 9780791833599  
Order Nos.: A12311 (Print-Book) /  
A1231Q (Digital PDF)

Serves jurisdictional authorities in adopting retroactive requirements for existing elevators and escalators. Guides all parties engaged in the safe installation, inspection, testing, operation, and/or insurance of existing elevators and escalators; thus sparing the major capital expense of all-new equipment. As an alternative standard to A17.1 allows for more flexibility in problem-solving.



**A17.4 - 1999**  
**Guide for Emergency Personnel**

ISBN: 0791826090  
 Order Nos.: A12599 (Print-Book) /  
 A1259P (Digital PDF)

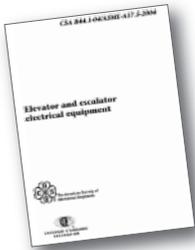
Guides emergency personnel (firefighters, police, others), building owners, lessees, and building operators—explaining (a.) proper procedures for safe removal of passengers from stalled elevators; and (b.) operating procedures for elevator usage under firefighters' service (Phase I and Phase II). Critical information for a key component in overall emergency preparedness.



**A17.6 - 2010**  
**Standard for Elevator Suspension, Compensation and Governor Systems**

ISBN: 9780791832875  
 Order Nos.: A20110 (Print-Book) /  
 A2011Q (Digital PDF)

First-ever standard of its kind. Addresses three technologies for elevator suspension: (a.) steel wire ropes; (b.) aramid fiber ropes; and (c.) non-circular elastomeric coated steel suspension members.



**A17.5/CSA B44.1 - 2011**  
**Elevator and Escalator Electrical Equipment**

ISBN: 1553975065  
 Order Nos.: A13211 (Print-Book) /  
 A1321Q (Digital PDF)

Applies to the electrical equipment for elevators, escalators, and related conveyances, including: (a) motor controllers; (b) motion controllers; (c) operation controllers; (d) operating devices; and (e) all other electrical equipment not addressed by another safety standard or code. Intended for installation as per the Canadian Electrical Code, Part 1 (CSA C22.1) and the National Electrical Code (NFPA 70), whichever is applicable.



**A17.7/B44.7 - 2007**  
**Performance-Based Safety Code for Elevators and Escalators**

ISBN: 0791830993  
 Order Nos.: A16307 (Print-Book) /  
 A1630Q (Digital PDF)

As a progressive alternative to the “prescriptive” A17.1, allows for more flexibility in problem-solving. Covers design, construction, operation, inspection, testing, maintenance, alteration, and repair of elevators, escalators and related conveyances. Specifically intended for new elevator technology and practices. Aids jurisdictional authorities with guidelines to address new technology within current safety and performance requirements.

# Related ASME A17 Offerings

## Handbook, Standards

### **A18.1 - 2011** Safety Standard for Platform Lifts and Stairway Chairlifts

Covers requirements for inclined stairway chairlifts and inclined and vertical platform lifts for transportation of a mobility impaired person.

ISBN: 9780791833704  
Order Nos.: A14511 / A1451Q

### **A90.1 - 2009** Safety Code for Belt Manlifts

Applies to the manufacture, installation, maintenance, inspection, and operation of belt manlifts – most commonly found on construction sites and inside grain silos.

ISBN: 9780791831649  
Order Nos.: J10109/ J1010T

### **QEI-1 - 2010** Standard for the Qualification of Elevator Inspectors

Contains criteria that may be used for qualifying and training of elevator inspectors and may serve as a guideline on which certification may be based.

ISBN: 9780791832868  
Order Nos.: A12010 / A1201Q

## Accreditation

### **QEI - Elevator Inspector Certification Organization Accreditation Program**

Covers organizations that certify elevator inspectors and inspector supervisors in accordance with the ASME QEI-1 Standard. Inspectors certified by accredited organizations are qualified to inspect elevators, escalators, and related equipment covered by the ASME A17.1 Elevator Code.

Please visit:

[http://www.asme.org/Codes/CertifAccred/Accreditation/QEI\\_Elevator\\_Inspector.cfm](http://www.asme.org/Codes/CertifAccred/Accreditation/QEI_Elevator_Inspector.cfm)

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Covers the essential design and operation of elevators and escalator systems, as well as the terminology and functions of various associated mechanical and electrical components.

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Price: \$1,250.00 - \$1,350.00 USD

### **How To Perform Elevator Inspections Using ASME A17.2**

Learn how to determine safety sliding distance, top and bottom car, counterweight clearances and runby, and working pressure for hydraulic elevators.

Order No.: PD102  
Price: \$1,625.00 - \$1,725.00 USD

### **Elevator Combo Course**

Combines PD100 and PD102. Save up to \$565!

Order No.: PD602  
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### **ASME A17.1 Safety Code for Elevators and Escalators**

Provides a comprehensive review and analysis of the ASME A17.1 Code where all phases of the industry are discussed: design, installation, operation, maintenance, inspection, testing and compliance with ADA.

Order No.: PD010  
Price: \$1,995.00 - \$2,095.00 USD

### **Elevator Maintenance Evaluation**

Covers the methods for evaluating elevator maintenance, performance and contracting. Preventive maintenance procedures for both mechanical and electrical components are reviewed.

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Price: \$1,250.00 - \$1,350.00 USD

### **Elevator Control Technology**

Provides specialized instruction related to elevator control circuitry and systems not readily available from other sources.

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Price: \$1,250.00 - \$1,350.00 USD

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8:00 am–17:30 pm EST

Mexico: 001-800-843-2763

Other: 973-882-1170

**Fax:** 973-882-1717 or 973-882-5155

**Email:** [customercare@asme.org](mailto:customercare@asme.org)

**Mail:** ASME Service Center  
22 Law Drive, P.O. Box 2900  
Fairfield, New Jersey 07007-2900 USA



# To Volunteer

For more than 125 years, ASME has successfully attracted volunteer technical experts to develop, maintain and disseminate ASME codes and standards. Participation by volunteers in ASME standards-writing committees is the lifeblood of the ASME standards-writing process. Committee participation provides value to the individuals involved, their employers that provide the funding for participation, and the general public.

The ASME standards-writing process is fully open and transparent. Representation by many different organizations in the standards-writing process also ensures that all interests are considered.

Duties and responsibilities will vary with the type of membership. For a description of each classification, responsibilities / expectations and privileges, please access the ASME Committee Handbook at:

<http://go.asme.org/participateinstandards>

For a listing of all ASME Codes and Standards committees, applications to join, benefits of participating, and other information, please visit:

<http://cstools.asme.org/csconnect/pdf/committeefiles/30264.pdf>

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