ASME QEI-1–2024
(Revision of ASME QEI-1–2018)

Standard for the Qualification of Elevator Inspectors

AN AMERICAN NATIONAL STANDARD



The American Society of Mechanical Engineers

ASME QEI-1–2024
(Revision of ASME QEI-1–2018)

Standard for the Qualification of Elevator Inspectors

AN AMERICAN NATIONAL STANDARD

The American Society of Mechanical Engineers
Two Park Avenue • New York, NY • 10016 USA

Date of Issuance: December 30, 2024

The next edition of this Standard is scheduled for publication in 2027. This Standard will become effective 6 months after the Date of Issuance.

This code or standard was developed under procedures accredited as meeting the criteria for American National Standards. The standards committee that approved the code or standard was balanced to ensure that individuals from competent and concerned interests had an opportunity to participate. The proposed code or standard was made available for public review and comment, which provided an opportunity for additional public input from industry, academia, regulatory agencies, and the public-at-large.

ASME does not "approve," "certify," "rate," or "endorse" any item, construction, proprietary device, or activity. ASME does not take any position with respect to the validity of any patent rights asserted in connection with any items mentioned in this document, and does not undertake to insure anyone utilizing a standard against liability for infringement of any applicable letters patent, nor does ASME assume any such liability. Users of a code or standard are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, is entirely their own responsibility.

Participation by federal agency representatives or persons affiliated with industry is not to be interpreted as government or industry endorsement of this code or standard.

ASME accepts responsibility for only those interpretations of this document issued in accordance with the established ASME procedures and policies, which precludes the issuance of interpretations by individuals.

The endnotes and preamble in this document (if any) are part of this American National Standard.



ASME Collective Membership Mark

All rights reserved. "ASME" and the above ASME symbol are registered trademarks of The American Society of Mechanical Engineers. No part of this document may be copied, modified, distributed, published, displayed, or otherwise reproduced in any form or by any means, electronic, digital, or mechanical, now known or hereafter invented, without the express written permission of ASME. No works derived from this document or any content therein may be created without the express written permission of ASME. Using this document or any content therein to train, create, or improve any artificial intelligence and/or machine learning platform, system, application, model, or algorithm is strictly prohibited.

The American Society of Mechanical Engineers
Two Park Avenue, New York, NY 10016-5990

Copyright © 2024 by
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
All rights reserved
Printed in U.S.A.

CONTENTS

Foreword iv

Committee Roster v

Correspondence With the A17 QEI Committee xi

Preface xii

Summary of Changes xiii

Part 1 **Introduction** 1
Section 1.1 Scope 1
Section 1.2 Definitions 1
Section 1.3 QEI Referenced Standards 2
Section 1.4 Accredited Certifying Organization Reference Standards 3
Section 1.5 Certified Elevator Inspector and Certified Elevator Inspector Supervisor Reference Standards 3
Section 1.6 Credentials 4
Part 2 **Qualifications and Duties of Inspectors** 5
Section 2.1 Qualifications 5
Section 2.2 Duties 6
Section 2.3 Maintenance of Qualifications 6
Part 3 **Qualifications and Duties of Inspector Supervisors** 8
Section 3.1 Qualifications 8
Section 3.2 Duties 8
Section 3.3 Maintenance of Qualification 8
Part 4 **Requirements for Accredited Certifying Organizations** 10
Section 4.1 Code of Ethics (Conduct) 10
Section 4.2 Public Disclosure of Inspectors' and Inspector Supervisors' Identities 10

Nonmandatory Appendices
A Related Documents 11
B Recommended Qualifications and Duties of Inspector Trainees 13
C Sample Certification Card 14
D Model Language for Enforcement Authorities to Recognize Certified Inspectors and Inspector Supervisors From Accredited Certifying Organizations 15
E Exemplar Code of Ethics (Conduct) 16
F *(Name of Accredited Certifying Organization)* Criteria for Interpretation of the Code of Ethics (Conduct) 18
G Exemplar Policy on Conflicts of Interest 20

Figure
C-1 Sample Certification Card 14

FOREWORD

Participants from the National Association of Elevator Safety Authorities, the National Elevator Industries, Inc., the American Insurance Association, and the Alliance of American Insurers met in early 1981 to discuss the trend among state and municipal governments to rely on private inspection agencies and self-inspection by elevator companies to perform inspections that had traditionally been done by the jurisdictional authorities. One of the prime concerns of the group was to develop a means for ensuring that the quality of the inspections remained at a high level. The group determined that addressing the qualifications of the persons performing the inspections is an important part of achieving this goal.

The American Society of Mechanical Engineers (ASME), which had been actively involved in elevator safety through the sponsorship of the A17 Elevator and Escalator Committee, was asked to participate in the group's discussions. ASME expressed an interest in this project and established an ad hoc committee consisting of members of the above organizations to develop a scope and guidelines for the establishment of a standards-writing committee.

On November 12, 1981, the ASME Council on Codes and Standards responded to this request and approved the formation of the ASME Committee on the Qualification of Elevator Inspectors (QEI Committee) to develop an American National Standard.

The goal established for the QEI Committee is to provide for the public health, safety, and welfare by supplementing existing standards in this field. ASME A17.1, Safety Code for Elevators and Escalators, covers design, construction, operation, inspection, testing, maintenance, alteration, and repair. ASME A17.2, Guide for Inspection of Elevators, Escalators, and Moving Walks, supplements the Safety Code by providing guidelines for the inspection and testing of the equipment. Neither ASME A17.1 nor ASME A17.2, however, covers the qualifications of inspection personnel, and the duties of the inspector are only covered briefly in the Introduction to the Inspectors' Manual.

The excellent safety record of elevators, escalators, and related equipment has been maintained, in part, by quality field inspections and tests. However, advancing technology and safety requirements have highlighted the need for establishing uniform criteria for the persons performing these inspections. The quality of inspections, of course, depends on the competence of the inspector, and the Standard for the Qualification of Elevator Inspectors is dedicated to that purpose.

Safety codes and standards are intended to enhance public health and safety. Revisions result from committee consideration of factors such as technological advances, new data, and changing environmental and industry needs. Revisions do not imply that previous editions were inadequate.

With the harmonization of ASME A17.1 and CSA B44, the application of ASME QEI-1 is now widespread in Canada. To enable the effective use of ASME QEI-1 by the jurisdictions in Canada enforcing codes other than those published by ASME, the 2007 edition of ASME QEI-1 was revised to include reference to equivalent Canadian codes. The reference to any Canadian standard and access to or possession of those standards is necessary only in Canada or where Canadian standards are adopted or enforced.

The 2013 edition of ASME QEI-1 was revised to reflect a decision made by ASME to discontinue its QEI accreditation program. Effective January 1, 2014, accreditation of organizations that certify elevator inspectors and inspector supervisors was discontinued by ASME; therefore, requirements were revised in this area to allow for accreditation to be done by other organizations.

The 2018 edition of ASME QEI-1 updated the references to include ASME A17.6 and clarified definitions.

The 2024 edition of ASME QEI-1 updates continuing education requirements and adds ASME A17.7/CSA B44.7 as a reference. ASME QEI-1–2024 was approved by the American National Standards Institute on July 9, 2024.

ASME A17 COMMITTEE
ELEVATORS AND ESCALATORS

(The following is the roster of the committee at the time of approval of this Standard.)

STANDARDS COMMITTEE

H. E. Peelle III, *Chair,* The Peelle Co., Ltd.
D. Prince, *Vice Chair,* Motion Control Engineering
M. H. Tevyaw, *Vice Chair,* MHT Codes and Consulting
G. A. Burdeshaw, *Secretary,* The American Society of Mechanical Engineers
E. V. Baker, National Elevator Industry Educational Program
D. L. Barker, California Division of Occupational Safety and Health
R. E. Baxter, California Division of Occupational Safety and Health
J. W. Blain, Edgett Williams Consulting Group
S. Bornstein, KONE, Inc.
P. R. Bothwell, Suzhou Hanson Elevator Co., Ltd.
K. L. Brinkman, National Elevator Industry, Inc.
J. W. Coaker, Coaker & Co., PC
J. Filippone, Consultant
R. A. Gregory, Vertex Corp.
P. Hampton, TK Elevator
J. T. Herrity, Department of the Navy, Naval Facilities Command (NAVFAC)
B. Horne, Otis Elevator
D. A. Kalgren, KONE, Inc.
J. W. Koshak, Elevator Safety Solutions, LLC
R. Kremer, Technical Standards and Safety Authority
D. McColl, Otis Canada, Inc.
D. McLellan, Technical Standards and Safety Authority
J. S. Rearick, Rearick & Co., Inc.
V. P. Robibero, RobiberoV Consultancy, LLC
J. Runyan, RobiberoV Consultancy, LLC
R. S. Seymour, Robert L. Seymour & Associates, Inc.
C. Shade, Ohio Department of Commerce
R. D. Shepherd, Retired
W. M. Snyder, VTE Solution, LLC
J. Xue, *Delegate*, Shanghai Institute of Special Equipment Inspection and Technical Research
D. S. Boucher, *Alternate,* KONE, Inc.
J. Carlson, *Alternate*, Schindler Elevator Corp.
L. W. Donaldson, *Alternate,* Department of the Navy, Naval Facilities Command (NAVFAC)
A. Ghazanchaei, *Alternate,* Otis Canada, Inc.
D. Griefenhagen, *Alternate,* International Union of Elevator Constructors
J. D. Henderson, *Alternate,* TK Elevator
N. Imbimbo, *Alternate,* Prysmian Group
J. Kleine, *Alternate,* Otis Elevator Co.
L. Metzinger, *Alternate,* Alimak Group USA, Inc.
D. Morris, *Alternate,* California Division of Occupational Safety and Health
S. P. Reynolds, *Alternate,* The Peelle Co., Ltd.
C. Romero, *Alternate,* Motion Control Engineering, Inc.
P. S. Rosenberg, *Alternate,* Performance Elevator Consulting, LLC
A. Shelton, *Alternate,* KONE, Inc.
J. L. Stabler, *Alternate,* Stabler Associates, Inc.

HONORARY COMMITTEE

G. A. Burdeshaw, *Secretary*
L. Bialy
E. A. Donoghue
B. J. Fanguy
C. E. Hempel
C. L. Kort
A. A. Mascone
E. M. Philpot
R. L. Rogers
L. E. White

REGULATORY ADVISORY COUNCIL

D. McLellan, *Chair*
G. A. Burdeshaw, *Secretary*
D. L. Barker
G. D. Barnes
G. E. Brewer
G. R. Brown
D. Bruce
J. H. Burpee
J. R. Calpini
R. Capuani
L. W. Donaldson
K. Dunbar
C. Gardiner
L. A. Giovannetti
J. M. Gould
A. Guadamuz
W. J. Hartung
D. J. Hedgecock
G. A. Hutto
G. Johnson
N. Kavanagh
D. Leopard
S. MacArthur
C. C. Mann
P. L. McClare
D. McKernon
S. Mercier
M. Mitchell
J. Murnan
N. Ortiz
M. R. Poulin
J. P. Roche
E. Ryba
H. Schaier
P. Sorensen
K. R. Steeves
J. A. Stewart
M. K. Stewart
S. F. Stout
T. J. Trujillo
C. Updyke
J. L. Borwey, *Alternate*
J. Day, *Alternate*
L. Christensen, *Alternate*
D. Melvin, *Alternate*
D. Morris, *Alternate*

INTEREST REVIEW GROUP

G. A. Burdeshaw, *Secretary*
J. P. Andrew
D. M. Begue
R. J. Blatz
M. T. Brierley
B. B. Calhoun
J. A. Caluori
M. A. Chavez
R. F. Dieter
D. L. Harris
R. Howkins
J. M. Imgarten
J. Inglis
T. Isaacs
Q. JianXiong
M. Krstanoski
W. R. Larsen
D. Mason
E. McClaskey
J. L. Meyer
B. Peyton
P. M. Puno
J. R. Runyan
J. L. Stabler
L. M. Taylor
D. L. Turner
K. Virk

CODE COORDINATION COMMITTEE

B. Horne, *Chair*
K. L. Brinkman, *Vice Chair*
G. A. Burdeshaw, *Secretary*
K. Carr
J. Kleine
J. W. Koshak
M. A. Mueller
V. P. Robibero
A. Shelton
B. Tubbs
J. Xue
D. A. Kalgren, *Alternate*
R. Larson, *Alternate*
K. Paarlberg, *Alternate*

B44.1/A17.5 COMMITTEE ON ELEVATOR AND ESCALATOR ELECTRICAL EQUIPMENT

M. A. Mueller, *Chair*
M. Mihai, *Vice Chair*
G. A. Burdeshaw, *Secretary*
G. Lee, *Secretary*
J. M. Aitamurto
J. D. Busse
S. J. Carlton
J. L. Della Porta
S. Dormann
R. Garcia
J. Kleine
S. Millett
C. Ramirez Woo
L. Yang
P. D. Barnhart, *Alternate*
K. Chieu, *Alternate*
M. Khalil, *Alternate*
P. F. McDermott, *Alternate*
S. Feng *Contributing Member*
B. T. Irmacher, *Contributing Member*

AD HOC COMMITTEE FOR PERSONNEL SAFETY TO IMPROVE A17 REQUIREMENTS REGARDING EQUIPMENT

J. Filippone, *Chair*
D. S. Boucher, *Vice Chair*
E. Baker
R. Baxter
J. L. Borwey
K. L. Brinkman
M. Cleveland
G. DeCola
J. Gehl
J. D. Henderson
J. T. Herrity
B. Horne
D. Kalgren
R. Larson
J. A. Lowery, Jr.
N. J. McCann
M. J. Mellon, Jr.
J. Rearick
V. P. Robibero
H. S. Russell
R. C. Shumate
D. Smarte
J. Stabler
D. Vinette
M. H. Tevyaw, *Contributing Member*

AD HOC COMMITTEE ON DOOR PROTECTION

J. Kleine, *Chair*
N. Gomez, *Secretary*
J. Carlson
M. H. Davies
J. Koshak
R. Kremer
J. O'Laughlin
A. Shupe
J. W. Stockstill
C. Walls
D. Kalgren, *Alternate*
C. Utke, *Alternate*
A. Wu, *Contributing Member*

DUMBWAITER AND ATD COMMITTEE

D. C. Witt, *Chair*
J. B. Peskuski, *Vice Chair*
E. Dominguez, *Secretary*
R. A. Gregory
F. M. Hoch
M. Webster
G. Ziebell
S. Reynolds, *Alternate*

EARTHQUAKE SAFETY COMMITTEE

A. Shelton, *Chair*
W. C. Schadrack III, *Vice Chair*
N. Gomez, *Secretary*
L. J. Costas
J. D. Henderson
D. Kalgren
J. Kleine
E. McClaskey
J. L. Meyer
K. Michalik
G. M. Rees
W. C. Ribeiro
K. T. Wright, Sr.
T. D. Allen, *Alternate*
R. Larson, *Alternate*
M. A. Mueller, *Alternate*
C. A. Cullum, *Contributing Member*
R. K. Leckman, *Contributing Member*
E. N. Farsangi, *Contributing Member*
E. Powell, *Contributing Member*
A. J. Schiff, *Contributing Member*
R. Taylor, *Contributing Member*
J. A. Varona, *Contributing Member*

EDITORIAL COMMITTEE

K. L. Brinkman, *Chair*
G. A. Burdeshaw, *Secretary*
J. Filippone
D. McColl
M. A. Mueller
J. Runyan
D. Winkle, Jr.

ELECTRICAL COMMITTEE

J. W. Blain, *Chair*
J. P. Donnelly, *Vice Chair*
E. Dominguez, *Secretary*
P. D. Barnhart
S. Beekman
B. Blackaby
J. D. Busse
J. Carlson
M. Flanagan
D. Griefenhagen
W. J. Hartung
J. D. Henderson
G. N. Henry
D. Holloway
J. Kleine
E. McClaskey
P. F. McDermott
M. Mihai
D. Morris
P. A. Novak
P. Ojapalo
D. Prince
J. C. Ramos
V. P. Robibero
J. R. Valone
K. Virk
L. B. Wells
L. Yang
E. M. Crane, *Alternate*
T. Evans, *Alternate*
S. R. James, *Alternate*
R. Larson, *Alternate*
N. J. McCann, *Alternate*
G. M. Rees, *Alternate*
E. Rittenhouse, *Alternate*
C. Romero, *Alternate*
B. Watson, *Alternate*
S. Dormann, *Contributing Member*
R. Elias, *Contributing Member*
Y. C. Ho, *Contributing Member*
P. C. Hoppie, *Contributing Member*
S. A. Khattak, *Contributing Member*
J. Koshak, *Contributing Member*
C. Mason, *Contributing Member*
P. M. Puno, *Contributing Member*
C, Ramirez Woo, *Contributing Member*

ELEVATORS USED FOR CONSTRUCTION COMMITTEE

J. R. Freeman, *Chair*
G. A. Burdeshaw, *Secretary*
R. Baxter
D. S. Boucher
G. DeCola
R. A. Gregory
K. Heling
J. A. Lowery, Jr.
N. Martin
H. Schaier
C. Zamfir
S. Bornstein, *Alternate*

EMERGENCY OPERATIONS COMMITTEE

J. Carlson, *Chair*
J. D. Henderson, *Vice Chair*
E. Dominguez, *Secretary*
D. S. Boucher
K. L. Brinkman
K. B. Camp
D. P. Finnegan
D. Goldstein
S. R. James
J. T. Josoff
C. Koenig
J. Latham
M. Marks
D. McColl
A. Morris
J. Moseley
T. F. Norton
B. Peak
D. Prince
P. D. Rampf
J. Ramsey
V. R. Reisinger III
H. S. Russell
S. Sears
D. Smarte
J. W. Stockstill
C. Towski
M. Walls
D. C. Witt
T. P. Worthington
O. Y. Zhang
J. Bibby, *Alternate*
J. Kleine, *Alternate*
B. M. Krishnan, *Alternate*
K. Moody, *Alternate*
G. M. Rees, *Alternate*
C. Romero, *Alternate*
M. T. Brierley, *Contributing Member*
M. W. Bunker, Jr., *Contributing Member*
J. Canty, *Contributing Member*
G. B. Cassini, *Contributing Member*
C. S. Dart, *Contributing Member*
D. Holmes, *Contributing Member*
J. Koshak, *Contributing Member*
J. A. Marinelli, *Contributing Member*
W. Ouyang, *Contributing Member*
L. F. Richardson, *Contributing Member*
R. J. Roux, *Contributing Member*
J. K. Schimeck, *Contributing Member*
M. H. Tevyaw, *Contributing Member*
S. Weiss-Ishai, *Contributing Member*
L. Zheyi, *Contributing Member*

ESCALATOR AND MOVING WALK COMMITTEE

P. R. Bothwell, *Chair*
K. G. Hamby, *Vice Chair*
R. Mohamed, *Secretary*
C. Anayiotos
A. D. Clarke, Jr.
S. Dormann
C. P. Farnum
J. A. A. Fernandez Fidalgo
J. R. Freeman
B. Horne
S. Krase
T. F. Martel
N. J. McCann
D. McLellan
A. Morris
T. Paats
C. Rorabuck
E. Ryba
C. Shade
R. D. Shepherd
R. C. Shumate
J. Stabler
P. Velasquez, Jr.
M. P. Walsh
D. Winkelhake
L. Yang
S. Cowen, *Alternate*
J. Gonzalez, *Alternate*
A. Gotthardt, *Alternate*
R. F. Johnston, Jr., *Alternate*
A. Kenny, *Alternate*
S. D. Martin, *Alternate*
M. A. Mueller, *Alternate*
D. Perez, Jr., *Alternate*
A. Sharma, *Alternate*
J. Filippone, *Contributing Member*
N. Martin, *Contributing Member*
H. Shi, *Contributing Member*
D. L. Turner, *Contributing Member*
J. Xue, *Contributing Member*

EXISTING INSTALLATIONS COMMITTEE

D. LaBrecque, *Chair*
M. D. Morand, *Vice Chair*
T. Waardenburg, *Vice Chair*
N. Gomez, *Secretary*
L. Alley
R. Baxter
A. Clarke, Jr.
C. J. Duke
T. Edmonds
J. Filippone
J. R. Freeman
M. Gatje
A. T. Gazzaniga
R. A. Gregory
M. D. Janca
T. Jose
J. Koscielny
R. Kremer
J. A. Maxwell
P. McPartland
M. J. Mellon, Jr.
N. R. Mistry
K. P. Morse
N. Ortiz
R. A. Preston
S. A. Quinn
J. Rearick
P. Reid
V. P. Robibero
C. Roraback
J. Stabler
J. W. Stockstill
L. M. Taylor
H. Thurmer
H. M. Vyas
M. P. Walsh
S. Walters
C. Westphal
R. Henderson, *Alternate*
A. Hildalgo, *Alternate*
T. Scudiero, *Alternate*
H. F. Wagner, Jr., *Alternate*
J. H. Butler, *Contributing Member*
J. T. Herrity, *Contributing Member*
B. McCue, *Contributing Member*

GUIDE FOR EMERGENCY PERSONNEL COMMITTEE

G. DeCola, *Chair*
G. A. Burdeshaw, *Secretary*
J. L. Borwey
J. Day
G. DeCola
E. Kuhns
D. McLellan
M. P. Mintle
D. Morgan
P. Pettener
R. Seymour
M. H. Tevyaw
G. J. Zolnierczyk
Y. Cao, *Contributing Member*
D. P. Cook, *Contributing Member*
C. S. Dart, *Contributing Member*
D. L. Flint, *Contributing Member*
J. L. Meyer, *Contributing Member*
J. K. Schimeck, *Contributing Member*

HAND AND SIDEWALK ELEVATOR COMMITTEE

N. J. Montesano, *Chair*
G. A. Burdeshaw, *Secretary*
V. G. Bahna
R. Carter
G. DeCola
J. Doyle
J. Duffy
G. Greenberg
E. L. Krull, Jr.
C. P. Robinson
G. West
B. Casas, *Alternate*

HOISTWAY COMMITTEE

D. S. Boucher, *Chair*
J. D. Henderson, *Vice Chair*
E. Dominguez, *Secretary*
L. J. Blaiotta, Jr.
K. L. Brinkman
J. Carlson
J. Forish
D. Goldstein
M. Hougendobler
J. T. Josoff
S. Kalola
J. Latham
J. Lengacher
D. McColl
J. O'Laughlin
D. P. Orlos
B. Peak
H. Peele III
V. R. Reisinger III
S. P. Reynolds
H. S. Russell
B. Schleeter
S. Sears
R. D. Shepherd
D. Smarte
J. W. Stockstill
B. K. Umbaugh
D. C. Witt
O. Y. Zhang
L. M. Choi, *Alternate*
T. Giannopoulos, *Alternate*
F. Leo, *Alternate*
K. Moody, *Alternate*
K. Sherrick, *Alternate*
J. L. Borwey, *Contributing Member*
J. Cole, *Contributing Member*
A. Conkling, *Contributing Member*
H. J. Gruszynski, *Contributing Member*
J. L. Harding, *Contributing Member*
D. Holmes, *Contributing Member*
B. Horne, *Contributing Member*
J. Kleine, *Contributing Member*
J. Koshak, *Contributing Member*
J. A. Marinelli, *Contributing Member*
A. Morris, *Contributing Member*
D. K. Quinn, *Contributing Member*
M. H. Tevyaw, *Contributing Member*
S. Weiss-Ishai, *Contributing Member*

HYDRAULIC COMMITTEE

J. W. Stockstill, *Chair*
V. R. Reisinger III, *Vice Chair*
A. Carrion, *Secretary*
D. Begue
S. A. Bruno
J. D. Henderson
R. Henderson
J. Koshak
R. Larson
J. A. Lowery, Jr.
L. Rigby
C. Roraback
K. Shepherd
J. L. Shrum
H. Simpkins
C. Strawn
W. C. Strawn
L. M. Taylor
M. P. Walsh
J. Williams
B. Horne, *Alternate*
S. Kalola, *Alternate*
P. J. Sampson, *Alternate*
L. Smallwood, *Alternate*
H. F. Wagner, Jr., *Alternate*
L. Bialy, *Contributing Member*
P. E. A. Burge, *Contributing Member*
A. Jahn, *Contributing Member*
M. G. Miller, *Contributing Member*
T. S. Mowrey, *Contributing Member*

INCLINED ELEVATOR COMMITTEE

J. T. Herrity, *Chair*
J. Filippone, *Vice Chair*
J. Rearick, *Vice Chair*
G. A. Burdeshaw, *Secretary*
R. Boseley
M. J. Botzet
C. Buckley
J. R. Carrick
L. J. Costas
L. W. Donaldson
R. A. Gregory
D. Griefenhagen
L. MacLachlan
W. N. MacLachlan
R. J. Murphy
J. L. Stabler
H. Van Den Ende, *Alternate*

INSPECTIONS COMMITTEE

M. D. Morand, *Chair*
J. R. Runyan, *Vice Chair*
R. Mohamed, *Secretary*
G. D. Barnes
R. E. Baxter
J. L. Borwey
D. S. Boucher
K. L. Brinkman
J. W. Coaker
S. Cowen
J. Day
G. DeCola
M. V. Farinola
J. Filippone
M. Gatje
W. Geesink
P. Hampton
H. Z. Hamze
K. Heling
J. T. Herrity
N. Kavanagh
J. J. Knolmajer
N. B. Martin
J. A. Maxwell
D. McLellan
M. J. Mellon, Jr.
M. P. Mintle
E. R. Rogers
E. Ryba
R. S. Seymour
F. C. Slater
A. Smith
W. M. Snyder
J. L. Stabler
S. Swett
M. H. Tevyaw
A. D. Clarke, Jr., *Alternate*
C. M. Dodds, *Alternate*
E. Kuhns, *Alternate*
J. S. Rearick, *Alternate*
R. D. Schloss, *Alternate*
T. Scudiero, *Alternate*
J. W. Stockstill, *Alternate*
C. Archer, *Contributing Member*
C. McDilda, *Contributing Member*
H. Ouyang, *Contributing Member*
J. D. Rosenberger, *Contributing Member*
J. Xue, *Contributing Member*

INTERNATIONAL STANDARDS COMMITTEE

H. Peelle III, *Chair*
G. A. Burdeshaw, *Secretary*
G. Antona
E. Baker
F. Belio, Jr.
J. L. Borwey
K. L. Brinkman
J. W. Coaker
P. Hampton
J. T. Herrity
D. Kalgren
J. Kleine
E. McClaskey
J. Rearick
V. P. Robibero
W. M. Snyder
D. Griefenhagen, *Alternate*
J. D. Henderson, *Alternate*
C. A. Herrity, *Alternate*
P. D. Barnhart, *Contributing Member*
L. Bialy, *Contributing Member*
B. Blackaby, *Contributing Member*
S. Bornstein, *Contributing Member*
D. S. Boucher, *Contributing Member*
T. Derwinski, *Contributing Member*
L. W. Donaldson, *Contributing Member*
M. Farinola, *Contributing Member*
J. Filippone, *Contributing Member*
A. Ghazanchaei, *Contributing Member*
E. J. Hopp, *Contributing Member*
B. Horne, *Contributing Member*
A. Hsu, *Contributing Member*
J. Koshak, *Contributing Member*
V. Lakamraju, *Contributing Member*
G. P. Lorsbach, *Contributing Member*
G. Marathe, *Contributing Member*
J. A. Maxwell, *Contributing Member*
D. McColl, *Contributing Member*
D. McKee, *Contributing Member*
S. Parillo, *Contributing Member*
J. Popp, *Contributing Member*

LIMITED-USE/LIMITED-APPLICATION ELEVATOR COMMITTEE

R. J. Murphy, *Chair*
P. M. Isaac, *Vice Chair*
A. Carrion, *Secretary*
K. L. Brinkman
P. Chance
J. R. Freeman
K. L. Heyungs
F. M. Hoch
S. J. Mehalko
J. E. Newstrom
W. Richardson
F. C. Slater
R. B. Weber
D. M. Winkle, Jr.
G. Ziebel
P. Austin, *Alternate*
S. A. Bruno, *Alternate*
D. Jaeger, *Alternate*
H. H. Bippen, Jr., *Contributing Member*
J. P. Schumacher, *Contributing Member*
F. Slater, *Contributing Member*

MAINTENANCE, REPAIR, AND REPLACEMENT COMMITTEE

D. LaBrecque, *Chair*
R. Baxter, *Vice Chair*
J. W. Stockstill, *Vice Chair*
N. Gomez, *Secretary*
L. Alley
C. J. Duke
T. Edmonds
M. Farinola
J. Filippone
J. R. Freeman
M. Gatje
S. P. Greene
R. A. Gregory
M. D. Janca
T. Jose
R. Kremer
K. Langereis
Q. Matthews
P. McPartland
M. J. Mellon, Jr.
N. R. Mistry
M. D. Morand
K. P. Morse
N. Ortiz
R. A. Preston
J. Rearick
P. Reid
P. S. Rosenberg
J. Stabler
C. Strawn
L. M. Taylor
H. Thurmer
H. M. Vyas
T. Waardenburg
M. P. Walsh
S. Walters
C. Westphal
E. A. White
A. Clarke, Jr., *Alternate*
P. Hampton, *Alternate*
R. Henderson, *Alternate*
R. D. Schloss, *Alternate*
K. P. Sullivan, *Alternate*
H. F. Wagner, Jr., *Alternate*
J. J. De Lorenzi, *Contributing Member*
J. T. Herrity, *Contributing Member*
A. S. Hopkirk, *Contributing Member*
T. Jiang, *Contributing Member*
J. J. Knolmajer, *Contributing Member*
J. Koshak, *Contributing Member*
D. McColl, *Contributing Member*
B. McCue, *Contributing Member*
C. McDilda, *Contributing Member*
J. L. Meyer, *Contributing Member*
V. P. Robibero, *Contributing Member*

MARINE ELEVATOR COMMITTEE

M. R. Tilyou, *Chair*
G. A. Burdeshaw, *Secretary*
D. Brady
E. J. Crawford
M. Gatje
E. P. Graff
R. E. Spranger
R. Wagner

MECHANICAL DESIGN COMMITTEE

B. Horne, *Chair*
M. P. Lamb, *Vice Chair*
N. Gomez, *Secretary*
E. Baker
D. L. Barker
F. Belio, Jr.
S. Conrey
A. M. Culver
P. Dreps
J. Duvall
J. Forish
A. Ghazanchaei
N. Imbimbo
P. M. Isaac
D. Kalgren
R. Kaspersma
R. J. Koeppe, Jr.
J. Koshak
R. Kremer
S. Lahmers
K. Langereis
E. McClaskey
D. Miller
M. Rhiner
C. Shade
A. Shelton
H. Simpkins
M. Sorisi
J. Thompson
B. K. Umbaugh
D. S. Boucher, *Alternate*
S. Chiripko, *Alternate*
T. J. Gray, *Alternate*
B. A. Johnson, *Alternate*
M. S. Johnson, *Alternate*
G. A. Wasik, *Alternate*
L. Bialy, *Contributing Member*
R. E. Creak, *Contributing Member*
J. Filippone, *Contributing Member*
R. K. Leckman, *Contributing Member*
D. P. Orlos, *Contributing Member*
W. Ouyang, *Contributing Member*
J. Stabler, *Contributing Member*
H. Wu, *Contributing Member*

MINE ELEVATOR COMMITTEE

N. Martin, *Chair*
L. M. Taylor, *Vice Chair*
N. Gomez, *Secretary*
R. L. Adamson
A. R. Brower
T. D. Barkand, *Contributing Member*
R. M. Bates, *Contributing Member*
J. Rose, *Contributing Member*
M. P. Snyder, *Contributing Member*

NEW TECHNOLOGY COMMITTEE

D. McColl, *Chair*
R. Kaspersma, *Vice Chair*
G. A. Burdeshaw, *Secretary*
S. Bornstein
D. S. Boucher
K. L. Brinkman
D. Bruce
T. M. Chambers
J. W. Coaker
S. Cowen
A. M. Culver
T. Evans
K. Heling
J. D. Henderson
J. T. Herrity
D. Kalgren
J. Kleine
J. Koshak
G. Lee
K. McGettigan
J. L. Meyer
M. Mihai
D. Morgan
M. Pedram
J. C. Ramos
J. Rearick
V. P. Robibero
L. V. Schoenmaker
S. Steiner
D. Vinette
L. Yang
P. D. Barnhart, *Alternate*
R. Baxter, *Alternate*
M. Chan, *Alternate*
C. A. Herrity, *Alternate*
B. Horne, *Alternate*
M. Khalil, *Alternate*
C. Mason, *Alternate*
M. Walls, *Alternate*
L. Bialy, *Contributing Member*
H. Ruan, *Contributing Member*
H. Wu, *Contributing Member*

OUTSIDE EMERGENCY ELEVATOR COMMITTEE

V. P. Robibero, *Chair*
J. K. O'Donnell
H. E. Peelle III
J. R. Runyan
J. Shimshoni
R. F. Fahy, *Contributing Member*
D. M. Stanlaske, *Contributing Member*
G. Xu, *Contributing Member*

QUALIFICATION OF ELEVATOR INSPECTORS COMMITTEE

D. McLellan, *Chair*
M. D. Morand, *Vice Chair*
G. A. Burdeshaw, *Secretary*
E. V. Baker
R. E. Baxter
J. L. Borwey
K. L. Brinkman
J. R. Brooks
M. Cleveland
J. W. Coaker
S. Cowen
J. Day
G. DeCola
L. W. Donaldson
D. Edwards
W. Geesink
P. Hampton
J. T. Herrity
N. Kavanagh
E. Kuhns
R. Larson
N. B. Martin
C. McDilda
M. J. Mellon, Jr.
M. P. Mintle
P. Pettener
E. R. Rogers
J. R. Runyan
R. S. Seymour
R. D. Shepherd
D. Smarte
W. M. Snyder
P. Sorenson
M. H. Tevyaw
D. J. Winslow
G. J. Zolnierczyk
C. M. Dodds, *Alternate*
D. Morgan, *Alternate*
C. Shade, *Alternate*
J. W. Stockstill, *Alternate*
D. L. Flint, *Contributing Member*
F. Liang, *Contributing Member*
H. Ouyang, *Contributing Member*
V. P. Robibero, *Contributing Member*

RACK-AND-PINION AND SPECIAL PURPOSE PERSONNEL ELEVATOR COMMITTEE

S. Harris, *Chair*
D. Higginbotham, *Vice Chair*
G. A. Burdeshaw, *Secretary*
T. A. Gross, *Secretary*
T. D. Barkand
G. A. Butler
K. B. Camp
C. W. Cartwright II
M. Doenges
A. Harris
P. T. Isbell
S. E. Johnson
W. Kubik
M. D. Morand
K. M. Harrison, *Contributing Member*
R. Kaspersma, *Contributing Member*

CHINA INTERNATIONAL WORKING GROUP (IWG)

G. Shen, *Chair*
G. Liang, *Vice Chair*
Y. Xia, *Vice Chair*
G. A. Burdeshaw, *Secretary*
Q. JianXiong, *Secretary*
Q. Dai
Z. Li
Y. Liang
G. Lu
L. Ning
L. Peng
Y. Shen
H. Shi
X. Shi
M. Wang
X. Wang
A. Wen
X. Wu
L. Yueyang
H. Zhang
X. Zhang

RESIDENCE ELEVATOR COMMITTEE

W. Richardson, *Chair*
P. Chance, *Vice Chair*
A. Carrion, *Secretary*
R. D. Baxter
M. B. Blomfield
R. Boseley
M. Dolan
J. R. Freeman
R. Gray
K. L. Heyungs
F. M. Hoch
C. Jones
L. Marley
S. J. Mehalko
R. J. Murphy
J. E. Newstrom
F. Panzarino
W. P. Rockhold
K. Virk
C. A. Warner
R. Weber
D. Winkle, Jr.
G. Ziebell
P. Austin, *Alternate*
S. A. Bruno, *Alternate*
D. Jaeger, *Alternate*
J. Phillips, *Alternate*
H. Van Den Ende, *Alternate*
K. L. Brinkman, *Contributing Member*
L. Katz, *Contributing Member*
T. C. Kingsley, *Contributing Member*
J. C. Lund, *Contributing Member*
M. W. McKinley, *Contributing Member*
W. M. McKinley, *Contributing Member*
J. Rearick, *Contributing Member*
C. D. Robinson, *Contributing Member*
J. P. Schumacher, *Contributing Member*
F. C. Slater, *Contributing Member*
F. Slater, *Contributing Member*
A. Wedderburn, *Contributing Member*

WIND TURBINE ELEVATOR COMMITTEE

L. Metzinger, *Chair*
J. W. Koshak, *Vice Chair*
R. Mohamed, *Secretary*
V. Ayres
C. Barrett
F. Goeseke
J. D. Koch
G. Lee
D. Miseur
G. S. Pandher
J. S. Rearick
P. D. Smith
C. Strawn
S. Swett
G. VanderPloeg
L. Yang
C. E. Cuenin, *Alternate*
M. Khalil, *Alternate*
D. Swett, *Alternate*
P. S. Grewal, *Contributing Member*
J. T. Herrity, *Contributing Member*
R. Kaspersma, *Contributing Member*
K. Matharu, *Contributing Member*
L. V. Schoenmaker, *Contributing Member*
S. W. Weaver, *Contributing Member*

CORRESPONDENCE WITH THE A17 QEI COMMITTEE

General. ASME codes and standards are developed and maintained by committees with the intent to represent the consensus of concerned interests. Users of ASME codes and standards may correspond with the committees to propose revisions or cases, report errata, or request interpretations. Correspondence for this Standard should be sent to the staff secretary noted on the committee's web page, accessible at https://go.asme.org/A17committee.

Revisions and Errata. The committee processes revisions to this Standard on a continuous basis to incorporate changes that appear necessary or desirable as demonstrated by the experience gained from the application of the Standard. Approved revisions will be published in the next edition of the Standard.

In addition, the committee may post errata on the committee web page. Errata become effective on the date posted. Users can register on the committee web page to receive email notifications of posted errata.

This Standard is always open for comment, and the committee welcomes proposals for revisions. Such proposals should be as specific as possible, citing the paragraph number, the proposed wording, and a detailed description of the reasons for the proposal, including any pertinent background information and supporting documentation.

Cases. The committee does not issue cases for this Standard.

Interpretations. Upon request, the committee will issue an interpretation of any requirement of this Standard. An interpretation can be issued only in response to a request submitted through the online Inquiry Submittal Form at https://go.asme.org/InterpretationRequest. Upon submitting the form, the inquirer will receive an automatic email confirming receipt.

ASME does not act as a consultant for specific engineering problems or for the general application or understanding of the Standard requirements. If, based on the information submitted, it is the opinion of the committee that the inquirer should seek assistance, the request will be returned with the recommendation that such assistance be obtained. Inquirers can track the status of their requests at https://go.asme.org/Interpretations.

ASME procedures provide for reconsideration of any interpretation when or if additional information that might affect an interpretation is available. Further, persons aggrieved by an interpretation may appeal to the cognizant ASME committee or subcommittee. ASME does not "approve," "certify," "rate," or "endorse" any item, construction, proprietary device, or activity.

Interpretations are published in the ASME Interpretations Database at https://go.asme.org/Interpretations as they are issued.

Committee Meetings. The A17 QEI Standards Committee regularly holds meetings that are open to the public. Persons wishing to attend any meeting should contact the secretary of the committee. Information on future committee meetings can be found on the committee web page at https://go.asme.org/A17committee.

(24)

PREFACE

PURPOSE This Standard is intended for the purpose of establishing uniform criteria, which will aid in

(a) qualifying and training of inspection personnel for government agencies, insurance companies, elevator companies, building owners, and managers

(b) providing guidance for accredited certifying organizations

It is also intended to serve as a guideline on which certification is based by detailing the expertise necessary in performing inspections.

It is recommended that state, municipal, and other jurisdictional authorities reference this Standard in their governing regulations covering subjects included in this Standard. Model language for enforcement authorities to recognize certified inspectors and inspector supervisors from accredited certifying organizations is shown in Nonmandatory Appendix D.

FORM AND ARRANGEMENT The Foreword, Preface, and Appendices are included in this Standard for information only. They have been approved by the ASME A17 Standards Committee. The requirements therein are nonmandatory.

RELATED PUBLICATIONS This Standard is one of the numerous codes and standards that have been developed and published by The American Society of Mechanical Engineers (ASME). These and publications from other organizations, all of which may be of special interest to users of this Standard, are listed in Nonmandatory Appendix A.

ASME QEI-1–2024
SUMMARY OF CHANGES

Following approval by the ASME A17 QEI Standards Committee and ASME, and after public review, ASME QEI-1–2024 was approved by the American National Standards Institute on July 9, 2024.

ASME QEI-1–2024 has been revised to remove gender pronouns from the Standard. ASME QEI-1–2024 also includes the following changes identified by a margin note, **(24)**.

Page	*Location*	*Change*
xii	Preface	Revised
1	1.1.3	First paragraph revised
2	Section 1.3	Subparagraph (i) added and subsequent subparagraphs redesignated
3	Section 1.4	Subparagraph (f) added and subsequent subparagraphs redesignated
3	1.5.2	Subparagraph (b) added and subsequent subparagraphs redesignated
5	Section 2.1	(1) Subparagraph (a)(2) revised (2) Subparagraph (b)(3) added and subsequent subparagraphs redesignated (3) Subparagraph (q) added
6	Section 2.2	Subparagraph (c)(1) revised
6	Section 2.3	(1) Title and subparas. (c), (f)(1)(-b), (f)(2)(-b) through (f)(2)(-d), (f)(2)(-f), and (f)(2)(-g) revised (2) First paragraph added
11	A-2	Third paragraph added

INTENTIONALLY LEFT BLANK

Part 1
Introduction

SECTION 1.1
SCOPE

1.1.1 Inspectors and Inspector Supervisors

This Standard includes requirements for the qualification, duties, and responsibilities of inspectors and inspector supervisors engaged in the inspection and testing of

(a) hoisting and lowering mechanisms, equipped with a car or platform, that move between two or more landings. This equipment includes, but is not limited to, the following:

(1) elevators (ASME A17.1/CSA B44) and, in Canadian jurisdictions, special-purpose personnel elevators (CSA B311)

(2) platform and stairway chairlifts (ASME A18.1 or CSA B355)

(b) power-driven stairways and walkways for carrying persons between landings. This equipment includes, but is not limited to, the following:

(1) escalators (ASME A17.1/CSA B44)

(2) moving walks (ASME A17.1/CSA B44)

(c) hoisting and lowering mechanisms equipped with a car that serves two or more landings and is restricted to the carrying of material by its limited size or limited access to the car. This equipment includes, but is not limited to, the following:

(1) dumbwaiters (ASME A17.1/CSA B44)

(2) material lifts and dumbwaiters with automatic transfer devices (ASME A17.1/CSA B44)

(d) hoists and elevators (ANSI/ASSP A10.4 or CSA Z185) that are

(1) not an integral part of buildings

(2) installed inside or outside buildings or structures during construction, alteration, or demolition operations

(3) used to raise and lower workers and other personnel connected with or related to the structure

NOTE: Nonmandatory Appendix B also includes recommended qualifications and duties of inspector trainees.

1.1.2 Certification and Accreditation

Inspectors and inspector supervisors shall be certified in accordance with the requirements of this Standard. The organization that certifies the inspectors and inspector supervisors shall be accredited by an independent internationally or nationally recognized organization that accredits personnel certification bodies to ANSI/ISO/IEC 17024, or its equivalent.

1.1.3 Covered Inspections (24)

This Standard applies to any person who is making an inspection to determine compliance with the requirements of ASME A17.1/CSA B44, ASME A17.3, CSA B44.1/ASME A17.5, ASME A17.7/CSA B44.7, ASME A18.1 or CSA B355, and ANSI/ASSP A10.4 or CSA Z185. It typically applies to, but is not limited to, persons employed by the following:

(a) jurisdictional authorities

(b) independent inspection agencies and elevator consultants

(c) insurers of the equipment

(d) manufacturers, installers, and maintainers of the equipment

(e) building owners and managers

(f) testing laboratories performing field inspections and tests (see also para. 1.1.4)

1.1.4 Exempt Inspections

This Standard does not cover personnel engaged in engineering and type testing as covered in Section 8.3 of ASME A17.1/CSA B44, Section 8 of ASME A18.1 or Appendix A of CSA B355, and CSA B44.1/ASME A17.5, including inspection by laboratories in association with these tests.

SECTION 1.2
DEFINITIONS

Terms used in this Standard shall have the meanings specified in the following definitions. Other terms used shall have the meanings specified in Section 1.3 of ASME A17.1/CSA B44 and Section 3 of ANSI/ASSP A10.4 or CSA Z185.

accredited certifying organization: a certifying organization that holds valid documentation of accreditation issued by an independent internationally or nationally recognized accrediting organization that accredits personnel certification bodies.

NOTE: A Certificate of Accreditation is an example of such documentation.