## TABLE OF CONTENTS

### Study Session 1:
- 2012 IMC Chapter 1—Scope and Administration ........................................ 1
  Quiz ........................................................................................................ 16

### Study Session 2:
- 2012 IMC Sections 301 – 304.5—General Regulations I ............................... 23
  Quiz ........................................................................................................ 37

### Study Session 3:
- 2012 IMC Sections 304.6 – 312—General Regulations II .............................. 43
  Quiz ........................................................................................................ 58

### Study Session 4:
- 2012 IMC Chapter 4—Ventilation .............................................................. 65
  Quiz ........................................................................................................ 78

### Study Session 5:
- 2012 IMC Sections 501 – 506—Exhaust Systems I ........................................ 85
  Quiz ........................................................................................................ 100

### Study Session 6:
- 2012 IMC Sections 507 – 514—Exhaust Systems II ...................................... 107
  Quiz ........................................................................................................ 121

### Study Session 7:
- 2012 IMC Chapter 6—Duct Systems ........................................................... 127
  Quiz ........................................................................................................ 141

### Study Session 8:
- 2012 IMC Chapter 8—Chimneys and Vents ................................................. 147
  Quiz ........................................................................................................ 161

### Study Session 9:
- 2012 IMC Sections 901 – 909—Specific Appliances, Fireplaces and Solid
  Fuel-Burning Equipment I ................................................................. 167
  Quiz ........................................................................................................ 181
INTRODUCTION

This study companion provides practical learning assignments for independent study of the provisions of the 2012 International Mechanical Code® (IMC®). The independent study format affords a method for the student to complete the program in an unregulated time period. Progressing through the workbook, the learner can measure his or her level of knowledge by using the exercises and quizzes provided for each study session.

The workbook is also valuable for instructor-led programs. In jurisdictional training sessions, community college classes, vocational training programs and other structured educational offerings, the study guide and the IMC can be the basis for classroom instruction.

All study sessions begin with a general learning objective specific to the session, the specific code sections or chapter under consideration and a list of questions summarizing the key points of study. Each session addresses selected topics from the IMC and includes code text, a commentary on the code provisions, illustrations representing the provisions under discussion and multiple choice questions that can be used to evaluate the student’s knowledge. Before beginning the quizzes, the student should thoroughly review the IMC, focusing on the key points identified at the beginning of each study session.

The workbook is structured so that after every question the student has an opportunity to record his or her response and the corresponding code reference. The correct answers are found in the back of the workbook in the answer key.

Although this study companion is primarily focused on those subjects of specific interest to mechanical inspectors and contractors, it is a valuable resource to any individuals who would like to learn more about the IMC provisions. The information presented may be of importance to many building officials, plans examiners and combination inspectors.

This publication was originally authored by the late Brent Snyder, longtime educator and building official, and Doug Thornburg, ICC Vice-President and Technical Director of Product Development. It has been updated to the 2012 IMC by Jay Woodward, ICC Senior Staff Architect.

The information presented in this publication is believed to be accurate; however, it is provided for informational purposes only and is intended for use only as a guide. As there is a limited discussion of selected code provisions, the code itself should always be referenced for more complete information. In addition, the commentary set forth may not necessarily represent the views of any enforcing agency, as such agencies have the sole authority to render interpretations of the IMC.

Questions or comments concerning this study companion are encouraged. Please direct your comments to ICC at studycompanion@icc.org.
About the International Code Council

The International Code Council® (ICC®) is a member-focused association dedicated to helping the building safety community and construction industry provide safe, sustainable and affordable construction through the development of codes and standards used in the design, build and compliance processes. Most U.S. communities and many global markets choose the International Codes®. ICC Evaluation Service (ICC-ES), a subsidiary of the International Code Council, has been the industry leader in performing technical evaluations for code compliance fostering safe and sustainable design and construction.

Headquarters: 500 New Jersey Avenue, NW, 6th Floor, Washington, DC 20001-2070

District offices: Birmingham, AL; Chicago, IL; Los Angeles, CA

1-888-422-7233

www.iccsafe.org