



Preparing for the Council-certified Environmental Thermography Investigator (CETI) and Council-certified Environmental Thermography Consultant (CETC) Examination

Examination Reference Materials:

The CETI/CETC examination is based on standard industry reference texts, not on a particular course curriculum. Examination items are drawn directly from the following references:

- American Council for Accredited Certification, Code of Conduct, www.acac.org
- Robert Wayne Ruddock, *Basic Infrared Thermography Principles (Ft. Myers: Reliabilityweb.com, 2010)*.
- The Snell Group and Fluke Corporation, *Introduction to Thermography Principles* (Orland Park, Ill: American Technical Publishers, 2009).
- Nancy Bollinger, *NIOSH Respirator Selection Logic 2004* (Cincinnati: NIOSH, 2004), www.acac.org/forms/rclibrary/nioshresp2004.pdf

Examination Topics:

The CETI/CETC closed book examination covers **four topic areas** relevant to environmental thermography. The CETI/CETC examination contains 120 multiple choice questions. For a detailed list of the knowledge and skills tested within each topic area, consult the CET and CETC application booklets.

Topic Areas:

1. Principles of thermal and infrared physics (48 questions)
2. Equipment Selection and Operation (20 questions)
3. Techniques for conducting building investigations with infrared thermography (50 questions)
4. American Council for Accredited Certification Code of Conduct (2 questions)

Recommended Study Procedures:

To prepare for the CETI/CETC exam, first read the reference texts listed above in their entirety. Then review the following sections from each text in more detail.



WARNING: Limiting your study to only the following pages will put you in danger of failing the exam. The exam assumes a comprehensive knowledge of each reference text.

Principles of Thermal and Infrared Physics

Robert Wayne Ruddock, *Basic Infrared Thermography Principles* (2010)

Sections 1.0, 3.0, 3.1, 3.5, 4.1, 4.2, 4.3, 4.4, 5.0, 5.1, 5.3, 6.0, 6.1, 6.2, 7.0, 7.1, 7.2, 8.6 and Figure 18

Snell et.al., *Introduction to Thermography Principles* (2009)

Pages 2 and 20



Equipment Selection and Operation

Robert Wayne Ruddock, *Basic Infrared Thermography Principles* (2010)

Sections 7.2 and 8.0

Snell et.al., *Introduction to Thermography Principles* (2009)

Pages 2, 3, 4, 5, 7, 9, 16, 23, 24, 25, 26 and 27

Techniques for Conducting Building Investigations with Infrared Thermography

Robert Wayne Ruddock, *Basic Infrared Thermography Principles* (2010)

Sections 4.2, 4.3, 11.2 and 11.5

Snell et.al., *Introduction to Thermography Principles* (2009)

Pages 20, 24, 27, 28, 29, 45, 48, 50, 52, 54, 55, 56, 57, 58, 59, 61, 63 and 64

NIOSH Respirator Selection Logic (2004)

Pages 1, 4, 5, 8, 13, 17, 19, 20 and 22