ISO 11079:2007-12 (E)

Ergonomics of the thermal environment - Determination and interpretation of cold stress when using required clothing insulation (IREQ) and local cooling effects

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms, definitions and symbols 2

4 Principles of methods for evaluation 4

5 General cooling 4

6 Local cooling 10

7 Practical assessment of cold environments and interpretation 11

Annex A (normative) Computation of thermal balance 13

Annex B (informative) Physiological criteria in cold exposure 16

Annex C (informative) Metabolic rate and thermal properties of clothing 18

Annex D (informative) Determination of wind cooling 21

Annex E (informative) Examples of evaluation of IREQ 23

Annex F (informative) Computer program for calculating IREQ 33

Bibliography 34