ISO/IEC TR 30132-1:2016-09 (E)

Information technology - Information technology sustainability - Energy efficient computing models - Part 1: Guidelines for energy effectiveness evaluation

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 1

5 Reference computing model for end-to-end energy effectiveness evaluation 2
5.1 Overview of computing models 2
5.2 Reference computing model and energy effectiveness evaluation 4

6 Holistic framework for evaluating the applicability of energy effectiveness improving technologies 6
6.1 Motivation 6
6.2 Overview of holistic framework 7
6.3 Considerations for evaluating the applicability 7
6.4 Examples of energy effectiveness evaluation 7

7 Guidelines for determining the energy effectiveness of a computing model 11

Annex A (informative) State of affairs for improving energy effectiveness of computing systems 12

Annex B (informative) Survey for calculating power consumption of the components in computing models 19

Bibliography 21