

ISO 14045:2012-05 (E)

Environmental management - Eco-efficiency assessment of product systems - Principles, requirements and guidelines

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General description of eco-efficiency	3
4.1 Principles of eco-efficiency	3
4.2 Phases of an eco-efficiency assessment	4
4.3 Key features of an eco-efficiency assessment	5
5 Methodological framework	5
5.1 General requirements	5
5.2 Goal and scope definition (including system boundaries, interpretation and limitations)	5
5.3 Environmental assessment	7
5.4 Product system value assessment	8
5.5 Quantification of eco-efficiency	9
5.6 Sensitivity and uncertainty analysis	9
5.7 Interpretation	9
6 Reporting and disclosure of results	10
6.1 General requirements	10
6.2 Further reporting requirements for comparative eco-efficiency assertion intended to be disclosed to the public	10
7 Critical review	11
7.1 General	11
7.2 Critical review by internal or external expert	11
7.3 Critical review by panel of interested parties	12
Annex A (informative) Examples of functional value, monetary value, other values and value indicators	13
Annex B (informative) Examples of eco-efficiency assessment	14
Bibliography	38