

ISO 14031:2021 (E)

Environmental management — Environmental performance evaluation — Guidelines

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
3.1	Terms related to organization and leadership
3.2	Terms related to planning
3.3	Terms related to support and operation
3.4	Terms related to performance evaluation and improvement
3.5	Terms relating to product system
3.6	Terms relating to life cycle assessment
4	Environmental performance evaluation
4.1	General overview
4.1.1	EPE process
4.1.2	Indicators for EPE
4.1.2.1	General
4.1.2.2	Relating EPE indicators to environmental, social and economic aspects of sustainability
4.1.3	EPE principles
4.2	Planning EPE (Plan)
4.2.1	General guidance
4.2.1.1	General
4.2.1.2	Applying EPE to those organizations with or without an EMS
4.2.2	Characteristics of EPE indicators
4.2.2.1	General overview
4.2.2.2	Understanding relationships between different measures of performance
4.2.2.3	Selecting management performance indicators
4.2.2.4	Selecting operational performance indicators
4.2.2.5	Selecting environmental condition indicators
4.2.2.6	Selecting sector-specific operational performance indicators for comparison
4.3	Using data and information (Do)
4.3.1	Overview
4.3.2	Collecting data
4.3.3	Analysing and converting data
4.3.4	Evaluating information (Review)
4.3.5	Reporting and communicating
4.3.5.1	General guidance
4.3.5.2	Internal reporting and communicating
4.3.5.3	External reporting and communicating
4.4	Reviewing and improving EPE (Act)
Annex A	(informative) Supplemental guidance on EPE
A.1	General overview
A.2	Guidance on identifying the views of interested parties in the context of EPE
A.2.1	General
A.2.2	Potential interested parties
A.2.3	Issues and views of interested parties
A.2.4	Methods for identifying the views of interested parties

A.3	Supplemental guidance on selecting indicators for EPE
A.3.1	Considerations for selecting indicators for EPE
A.3.1.1	General
A.3.1.2	Considerations for selecting KPIs
A.3.1.3	Considerations for using combined indicators
A.3.2	Examples of approaches for selecting indicators for EPE
A.3.2.1	Cause and effect approach
A.3.2.2	Risk-based approach
A.3.2.2.1	General
A.3.2.2.2	Human health risk-based approach
A.3.2.2.3	Financial risk-based approach
A.3.2.2.4	Environmental risk-based approach
A.3.2.3	Life cycle approach
A.3.2.4	Regulatory or voluntary initiative approach
A.4	Examples of indicators for EPE
A.4.1	General overview
A.4.2	Management performance indicators
A.4.2.1	General overview
A.4.2.2	Examples of MPIs
A.4.2.2.1	Performance indicators related to management policies and programmes
A.4.2.2.2	Performance indicators related to regulatory compliance
A.4.2.2.3	Financial performance correlated with environmental performance
A.4.2.2.4	Performance indicators related to community relations
A.4.3	Operational performance indicators
A.4.3.1	General overview
A.4.3.2	Examples of OPIs
A.4.3.2.1	Materials
A.4.3.2.2	Energy
A.4.3.2.3	Services supporting the organization's operations
A.4.3.2.4	Physical facilities and equipment
A.4.3.2.5	Supply and delivery
A.4.3.2.6	Products
A.4.3.2.7	Services provided by the organization
A.4.3.2.8	Wastes
A.4.3.2.9	Emissions
A.4.4	Environmental condition indicators
A.4.4.1	General overview
A.4.4.2	Examples of local, regional, national or global ECIs
A.4.4.2.1	General
A.4.4.2.2	Air
A.4.4.2.3	Water
A.4.4.2.4	Land
A.4.4.2.5	Flora
A.4.4.2.6	Fauna
A.4.4.2.7	Humans
A.4.4.2.8	Aesthetics, heritage and culture