

# ISO/TR 59031:2026-03 (E)

## Circular economy - Performance-based approach - Analysis of case studies

---

### Contents

Page

Foreword.....	v
Introduction .....	vi
<b>1 Scope.....</b>	<b>1</b>
<b>2 Normative references.....</b>	<b>1</b>
<b>3 Terms and definitions.....</b>	<b>1</b>
<b>4 General information.....</b>	<b>2</b>
4.1 Objective.....	2
4.2 Selection of cases.....	3
4.3 How to use this document.....	3
<b>5 Analysis of cases.....</b>	<b>4</b>
5.1 Process to collect and analyse cases.....	4
5.2 Approaches taken in the use cases.....	5
5.2.1 General.....	5
5.2.2 Related aspects of the performance-based approach in the cases.....	5
5.2.3 Circular design.....	5
5.2.4 Extended producer responsibility.....	6
<b>6 Case studies.....</b>	<b>7</b>
6.1 Overview of cases.....	7
6.1.1 Items for describing each case.....	7
6.1.2 Criteria for selecting cases as exemplars and reporting.....	8
6.2 Business A — Sweden.....	8
6.2.1 General information.....	8
6.2.2 Quantitative information.....	9
6.2.3 Qualitative information.....	10
6.2.4 Replicability (how the case can be scaled up and applied in other contexts).....	10
6.2.5 Performance-based approaches.....	11
6.2.6 Description of the mechanical cycle.....	11
6.2.7 Description of the service cycle.....	11
6.2.8 Life cycle assessment.....	11
6.2.9 Greenhouse gas emissions.....	11
6.3 Circulô — Brazil.....	11
6.3.1 General information.....	11
6.3.2 Quantitative information.....	12
6.3.3 Qualitative information.....	13
6.3.4 Replicability (how the case can be scaled up and applied in other contexts).....	13
6.3.5 Performance-based approaches.....	13
6.3.6 Description of the mechanical cycle.....	14
6.3.7 Description of the service cycle.....	14
6.3.8 Life cycle assessment.....	14
6.3.9 Greenhouse gas emissions.....	15
6.4 Business B — France.....	15
6.4.1 General information.....	15
6.4.2 Quantitative information.....	15
6.4.3 Qualitative information.....	16
6.4.4 Replicability (how the case can be scaled up and applied in other contexts).....	16
6.4.5 Performance-based approaches.....	16
6.4.6 Description of the mechanical cycle.....	17
6.4.7 Description of the service cycle.....	17

6.4.8	Life cycle assessment .....	17
6.4.9	Greenhouse gas emissions .....	17
6.5	Michelin — France .....	18
6.5.1	General information .....	18
6.5.2	Quantitative information .....	18
6.5.3	Qualitative information .....	20
6.5.4	Replicability (how the case can be scaled up and applied in other contexts) .....	21
6.5.5	Performance-based approaches .....	21
6.5.6	Description of the mechanical cycle .....	22
6.5.7	Description of the service cycle .....	23
6.5.8	Life cycle assessment .....	24
6.5.9	Greenhouse gas emissions .....	25
6.6	Business C — Germany .....	26
6.6.1	General information .....	26
6.6.2	Quantitative information .....	26
6.6.3	Qualitative information .....	27
6.6.4	Replicability (how the case can be scaled up and applied in other contexts) .....	27
6.6.5	Performance-based approaches .....	27
6.6.6	Description of the service cycle .....	28
6.6.7	Life cycle assessment .....	28
6.6.8	Greenhouse gas emissions .....	28
6.7	Free Pack Net — Switzerland .....	28
6.7.1	General information .....	28
6.7.2	Quantitative information .....	30
6.7.3	Qualitative information .....	32
6.7.4	Replicability (how the case can be scaled up and applied in other contexts) .....	32
6.7.5	Performance-based approaches .....	32
6.7.6	Description of the mechanical cycle and the service cycle .....	33
6.7.7	Life cycle assessment .....	33
6.7.8	Greenhouse gas emissions .....	33
6.8	Kuradashi — Japan .....	34
6.8.1	General information .....	34
6.8.2	Quantitative information .....	34
6.8.3	Qualitative information .....	36
6.8.4	Replicability (how the case can be scaled up and applied in other contexts) .....	37
6.8.5	Performance-based approaches .....	37
6.8.6	Description of the mechanical cycle .....	37
6.8.7	Description of the service cycle .....	37
6.8.8	Life cycle assessment .....	38
6.8.9	Greenhouse gas emissions .....	38
<b>7</b>	<b>Conclusion .....</b>	<b>38</b>
	<b>Bibliography .....</b>	<b>40</b>