ISO 59010:2024-05 (E)

Circular economy - Guidance on the transition of business models and value networks

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Setting goals for the transition to a circular economy value creation model and its boundary 5
4.1 Goal definition 5
4.2 Understanding the current value creation model and value network of the organization 5
4.3 Mapping the value chain and networks of flows 7
4.4 Setting the boundary for addressing circularity 7
4.5 Understanding current circularity performance 8
4.6 Considering actions that contribute to a circular economy 9
4.6.1 General 9
4.6.2 Actions that create added value 9
4.6.3 Actions that contribute to value retention 12
4.6.4 Actions that contribute to value recovery 13
4.6.5 Actions to regenerate ecosystems 16
4.6.6 Actions to support a circular economy transition 16
4.6.7 Guidance for resource management actions 18

5 Determining a circular economy strategy 19
5.1 Identifying gaps and opportunities 19
5.2 Determining a circular economy strategy based on circular economy principles 20
5.3 Addressing economic rationalization 21

6 Transitioning the value creation model of an organization towards circularity 22
6.1 Developing a plan 22
6.2 Reviewing the elements of the value creation model in light of desired changes 22
6.2.1 General 22
6.2.2 Value proposition 22
6.2.3 Key activities 22
6.2.4 Key business resources 22
6.2.5 Customer segments 23
6.2.6 Customer relationships 23
6.2.7 Channels 23
6.2.8 Costs 23
6.2.9 Revenue streams 23
6.2.10 Key partners 24
6.2.11 Other elements 24
6.2.12 Other considerations 24

7 Transitioning a value network towards circularity 24
7.1 General 24
7.2 Establishing shared objectives, strategy and plan 25
7.3 Implementing appropriate value network governance 26

7.4 Leveraging or establishing shared infrastructures (physical and digital) 26

8 Reviewing and monitoring for continual improvement 26
8.1 Measuring and assessing circularity performance 26
8.2 Improving the value creation model of the organization 27
8.3 Improving the value network 27

Annex A (informative) Supplementary examples 28

Bibliography 35