

# Contents

Acknowledgments from the Editors	xxi
Principles of the ROI Methodology	xxiii
<b>Chapter 1: Using Questionnaires and Surveys</b>	<b>1</b>
Types of Questions	1
Questionnaire Design Steps	2
Determine the Specific Information Needed	2
Involve Stakeholders in the Process	3
Select the Types of Questions	3
Develop the Questions	3
Check the Reading Level	3
Test the Questions	4
Address the Anonymity Issue	4
Design for Ease of Tabulation and Analysis	4
Develop the Completed Questionnaire and Prepare a Data Summary	5
Improving the Response Rate for Questionnaires and Surveys	5
Provide Advance Communication	5
Communicate the Purpose	6
Describe the Data Integration Process	6
Keep the Questionnaire as Simple as Possible	6

xiv Contents

Simplify the Response Process	6
Use Local Manager Support	7
Let the Participants Know That They Are Part of a Sample	7
Consider Incentives	7
Have an Executive Sign the Introductory Letter	8
Use Follow-Up Reminders	8
Provide a Copy of the Results to the Participants	8
Review the Questionnaire with Participants	9
Consider a Captive Audience	9
Communicate the Timing of Data Flow	9
Select the Appropriate Medium	10
Consider Anonymous or Confidential Input	10
Pilot Test the Questionnaire	10
Explain How Long Completing the Questionnaire Will Take	11
Personalize the Process	11
Provide an Update	11
Final Thoughts	12
 <b>Chapter 2: Using Tests</b>	 <b>13</b>
Types of Tests	13
Norm-Referenced Tests	13
Criterion-Referenced Tests	14
Performance Tests	14
Simulations	16
Electromechanical Simulation	17
Task Simulation	17
Business Games	17
In-Basket Simulation	17
Case Study	18
Role-Playing	18
Informal Tests	19
Exercises, Problems, or Activities	19
Self-Assessment	20
Facilitator Assessment	20
Final Thoughts	21

<b>Chapter 3: Using Interviews, Focus Groups, and Observation</b>	<b>23</b>
Interviews	23
Types of Interviews	24
Interview Guidelines	24
Develop the Questions to Be Asked	24
Test the Interview	24
Prepare the Interviewers	25
Provide Clear Instructions to the Participants	25
Schedule the Interviews	25
Focus Groups	25
Applications of Focus Groups	26
Guidelines	27
Plan Topics, Questions, and Strategy Carefully	27
Keep the Group Size Small	27
Use a Representative Sample	27
Use Experienced Facilitators	28
Observations	28
Guidelines for Effective Observation	28
Observations Should Be Systematic	29
Observers Should Be Knowledgeable	29
The Observer's Influence Should Be Minimized	29
Observers Should Be Selected Carefully	30
Observers Must Be Fully Prepared	30
Observation Methods	30
Behavior Checklist	30
Delayed Report	31
Video Recording	31
Audio Monitoring	32
Computer Monitoring	32
Final Thoughts	32
<b>Chapter 4: Using Other Data Collection Methods</b>	<b>35</b>
Business Performance Monitoring	35
Using Current Measures	36

xvi Contents

Identify Appropriate Measures	36
Convert Current Measures to Usable Ones	36
Developing New Measures	37
<b>Action Planning</b>	<b>38</b>
Developing an Action Plan	40
Using Action Plans Successfully	42
Communicate the Action Plan Requirement Early	42
Describe the Action Planning Process at the	
Beginning of the Program	42
Teach the Action Planning Process	42
Allow Time to Develop the Plan	43
Have the Facilitator Approve Action Plans	43
Require Participants to Assign a Monetary Value to	
Each Improvement	43
Ask Participants to Isolate the Effects of the Program	44
Ask Participants to Provide a Confidence Level	
for Estimates	44
Require That Action Plans Be Presented to the Group	45
Explain the Follow-Up Process	45
Collect Action Plans at the Stated Follow-Up Time	46
Summarize the Data and Calculate the ROI	46
Applying Action Plans	48
Identifying Advantages and Disadvantages of	
Action Plans	51
Performance Contracts	51
Final Thoughts	54
<b>Chapter 5: Measuring Reaction and</b>	
<b>    Planned Action</b>	<b>55</b>
Why Measure Reaction and Planned Action?	55
Customer Satisfaction	55
Immediate Adjustments	56
Team Evaluation	56
Predictive Capability	56
Importance of Other Levels of Evaluation	58
Areas of Feedback	58
Data Collection Issues	63

Timing	63
Methods	64
Administrative Guidelines	65
Uses of Reaction Data	67
Final Thoughts	69

**Chapter 6: Measuring Learning and Confidence 71**

Why Measure Learning and Confidence?	71
The Learning Organization	71
Compliance Issues	72
Development of Competencies	73
Certification	73
Consequences of an Unprepared Workforce	73
The Role of Learning in Programs	74
Measurement Issues	75
Challenges	75
Program Objectives	75
Typical Measures	76
Timing	77
Data Collection Methods	79
Administrative Issues	81
Validity and Reliability	81
Consistency	82
Pilot Testing	83
Scoring and Reporting	83
Confronting Failure	84
Uses of Learning Data	84
Final Thoughts	85

**Chapter 7: Measuring Application and Implementation 87**

Why Measure Application and Implementation?	87
Obtain Essential Information	88
Track Program Focus	88

xviii Contents

Discover Problems and Opportunities	89
Reward Effectiveness	90
<b>Challenges</b>	<b>90</b>
Linking Application with Learning	90
Building Data Collection into the Program	90
Ensuring a Sufficient Amount of Data	91
Addressing Application Needs at the Outset	91
<b>Measurement Issues</b>	<b>92</b>
Methods	92
Objectives	92
Areas of Coverage	93
Data Sources	93
Timing	95
Responsibilities	96
<b>Data Collection Methods</b>	<b>96</b>
Questionnaires	96
Progress with Objectives	97
Use of Program Materials and Handouts	97
Application of Knowledge and Skills	97
Changes in Work Activities	104
Improvements or Accomplishments	105
Definition of the Measure	105
Amount of Change	105
Unit Value	105
Basis for Value	106
Total Annual Impact	106
Other Factors	106
Improvements Linked with the Program	107
Confidence Level	107
Perception of Investment in the Program	107
Link with Output Measures	107
Other Benefits	108
Barriers	108
Enablers	108
Management Support	108
Other Solutions	109
Target Audience Recommendations	109
Suggestions for Improvement	109

Interviews, Focus Groups, and Observation	110
Action Plans	110
Barriers to Application	111
Uses of Application Data	112
Final Thoughts	112

**Chapter 8: Measuring Impact and Consequences 115**

Why Measure Business Impact?	115
Impact Data Provide Higher-Level Information on Performance	115
Impact Data Represent the Business Driver of a Program	116
Impact Data Provide Value for Sponsors	117
Impact Data Are Easy to Measure	117
Effective Impact Measures	117
Hard Data Measures	118
Soft Data Measures	120
Tangible Versus Intangible Measures	121
Impact Objectives	122
Linking Specific Measures to Programs	123
Sources of Impact Data	126
Data Collection Methods	127
Monitoring Business Performance Data	127
Identify Appropriate Measures	128
Convert Current Measures to Usable Ones	128
Develop New Measures	129
Action Plans	129
Set Goals and Targets	130
Define the Unit of Measure	130
Place a Monetary Value on Each Improvement	131
Implement the Action Plan	131
Document Specific Improvements	132
Isolate the Effects of the Program	132
Provide a Confidence Level for Estimates	133
Collect Action Plans at Specified Time Intervals	133
Summarize the Data and Calculate the ROI	133

xx Contents

Performance Contracts	134
Questionnaires	134
Final Thoughts	138
<b>Chapter 9: Selecting the Proper Data</b>	
<b>Collection Method</b>	<b>139</b>
Matching Exercise	139
Selecting the Appropriate Method for Each Level	143
Type of Data	143
Investment of Participants' Time	143
Investment of Managers' Time	144
Cost	144
Disruption of Normal Work Activities	144
Accuracy	145
Built-In Design Possibility	145
Utility of an Additional Method	146
Cultural Bias of Data Collection Method	146
Final Thoughts	146
Index	147
About the Authors	153