

Contents

List of figures	v	4.4 Problem Management	58
List of tables	vi	4.5 Access Management	68
OGC's foreword	vii	4.6 Operational activities of processes covered in other lifecycle phases	72
Chief Architect's foreword	viii	5 Common Service Operation activities	79
Preface	ix	5.1 Monitoring and control	82
Acknowledgements	x	5.2 IT Operations	92
1 Introduction	1	5.3 Mainframe Management	95
1.1 Overview	3	5.4 Server Management and Support	95
1.2 Context	3	5.5 Network Management	96
1.3 Purpose	7	5.6 Storage and Archive	97
1.4 Usage	7	5.7 Database Administration	97
1.5 Chapter overview	7	5.8 Directory Services Management	98
2 Service Management as a practice	9	5.9 Desktop Support	98
2.1 What is Service Management?	11	5.10 Middleware Management	99
2.2 What are services?	11	5.11 Internet/Web Management	99
2.3 Functions and processes across the lifecycle	12	5.12 Facilities and Data Centre Management	100
2.4 Service Operation fundamentals	13	5.13 Information Security Management and Service Operation	101
3 Service Operation principles	17	5.14 Improvement of operational activities	102
3.1 Functions, groups, teams, departments and divisions	19	6 Organizing for Service Operation	105
3.2 Achieving balance in Service Operation	19	6.1 Functions	107
3.3 Providing service	28	6.2 Service Desk	109
3.4 Operation staff involvement in Service Design and Service Transition	28	6.3 Technical Management	121
3.5 Operational Health	28	6.4 IT Operations Management	125
3.6 Communication	29	6.5 Application Management	128
3.7 Documentation	31	6.6 Service Operation roles and responsibilities	140
4 Service Operation processes	33	6.7 Service Operation Organization Structures	146
4.1 Event Management	35	7 Technology considerations	155
4.2 Incident Management	46	7.1 Generic requirements	157
4.3 Request Fulfilment	55	7.2 Event Management	158
		7.3 Incident Management	159
		7.4 Request fulfilment	159
		7.5 Problem Management	159

7.6	Access Management	160	Appendix C: Kepner and Tregoe	199
7.7	Service Desk	160	C1	Defining the problem 201
8	Implementing Service Operation	163	C2	Describing the problem 201
8.1	Managing change in Service Operation	165	C3	Establishing possible causes 201
8.2	Service Operation and Project Management	165	C4	Testing the most probable cause 201
8.3	Assessing and managing risk in Service Operation	166	C5	Verifying the true cause 201
8.4	Operational staff in Service Design and Transition	166	Appendix D: Ishikawa Diagrams	203
8.5	Planning and Implementing Service Management technologies	166	Appendix E: Detailed description of Facilities Management	207
9	Challenges, Critical Success Factors and risks	169	E1	Building Management 209
9.1	Challenges	171	E2	Equipment Hosting 209
9.2	Critical Success Factors	173	E3	Power Management 210
9.3	Risks	175	E4	Environmental Conditioning and Alert Systems 210
			E5	Safety 211
			E6	Physical Access Control 211
			E7	Shipping and Receiving 212
			E8	Involvement in Contract Management 212
			E9	Maintenance 212
Afterword		177	Appendix F: Physical Access Control	213
Appendix A: Complementary industry guidance		181	Glossary	219
A1	COBIT	183	Acronyms list	221
A2	ISO/IEC 20000	183	Definitions list	223
A3	CMMI	184	Index	251
A4	Balanced Scorecard	184		
A5	Quality Management	184		
A6	ITIL and the OSI Framework	184		
Appendix B: Communication in Service Operation		185		
B1	Routine operational communication	187		
B2	Communication between shifts	188		
B3	Performance Reporting	189		
B4	Communication in projects	192		
B5	Communication related to changes	194		
B6	Communication related to exceptions	195		
B7	Communication related to emergencies	196		
B8	Communication with users and customers	197		