

CONTENTS

LIST OF ILLUSTRATIONS	xv
LIST OF TABLES	xvii
INTRODUCTION	1
PURPOSE OF THIS BOOK	1
INTENDED AUDIENCES	1
WHAT IS COVERED IN THIS BOOK	2
PHILOSOPHY OF THIS BOOK	2
LAGNIAPPE	3
FURTHER READING	5
PART 1: THE DOCUMENTATION PROBLEM	7
COMPUTER DOCUMENTATION: AN OVERVIEW	8
Our Focus	8
Purposes of Software User Documentation	10
Classifications of User Documentation	11
Reference and Tutorial Documentation	11
External and Internal Documentation	13
IDENTIFYING USER DOCUMENTATION PROBLEMS	13
Are There Problems?	13
What Problems Does Inadequate User Documentation Cause?	15
Why Is Inadequate User Documentation Produced?	17
The Change from Centralization to Decentralization	18
Training and Psychology of DP Specialists	19
Institutional Limitations	20
	ix

Techniques Used in the Media of DP Documentation	22
Oversimplification of the Writing Task	23
Natural Egoism	24
Example of an Inadequate User Manual	25
Problems with the Example User Manual	25
A Solution to Problems in User Documentation: An Overview of the Standard Development Process	37
Further Reading	40

PART 2: THE STANDARD DOCUMENTATION PROCESS 45

STEP 1: DESIGN THE DOCUMENT BLUEPRINTS	48
What Are Documentation Blueprints?	48
Why Develop Blueprints?	50
How Long Does It Take to Develop the Two Blueprints?	51
How Do I Develop a Library or Individual Document Blueprint?	52
Break Down the Documentation by Task Plan for an Audience	57
Dimension 1	58
Dimensions 2 and 3	63
State the Purpose for Each Document	64
Organize Text	65
Develop a Product Visualization	67
Pick the Appropriate Media	69
Decide Page Format and Layout	72
Print and Typeface	73
Spatial Arrangements	75
Color Print and Background	77
A Note on the 5½ × 9 Inch Layout	79
Plan for Updating	80
Consider the Competition	81
Develop a Timing and Cost Scheme	82
Timing	82
Cost	84
One Note of Caution Regarding Blueprint Flexibility	85
Step 1: Summary Checklist	85
Further Reading	86

STEP 2: DRAFT THE DOCUMENT	92
Overcome Writer's Block	92
Internal Writing Block	93
External Writing Blocks from Information Sources	94
External Writing Blocks in Team Writing	96
Use an Appropriate Writing Style	99
How Do Readers Read Documentation?	99
Reader-Engineered Writing Styles	100
Logic Tree or Flowchart	101
Text Flowchart	102
Text Picture	102
Matrix, Logic Table, or Tree Diagram	102
STOP	104
Playscript	107
Structured Writing	113
Employ Reader-Based Writing Techniques	125
Using Examples and Metaphors	126
Using a Conversational Style	127
Providing Interrelated Examples Called <i>Cases</i>	129
Using the Scenario Writing Principle	130
Being More Performance Oriented Rather than Topic Oriented	131
Reader-Based Writing Techniques Summarized	133
Plan for Updates in the First Draft	134
Step 2: Summary Checklist	136
Further Reading	137
STEP 3: EDIT THE DOCUMENT	141
General Editing Principles	141
Specific Editing Principles: Levels of Edit	143
Language Edit	145
Edit Contextually	145
Maintain Coherence	147
Weed Out Abstractions	148
Minimize Sentence Complexity	149
Eliminate Nonessential Preliminaries	151
Break Up Dense Writing	152
Watch Out for Fuzzy Words	153
Rules of Editing Best Forgotten	155
A Brief Word on Grammar, Usage, and Punctuation in Editing	156

Step 3: Summary Checklist	157
Further Reading	158
STEP 4: REVIEW THE DOCUMENT	160
Review	160
Choose Reviewers and the Time to Review	161
Show Reviewers How to Review	162
Give Feedback to Reviewers	164
Step 4: Summary Checklist	165
Further Reading	165
STEP 5: FIELD TEST THE DOCUMENT	166
Field Test the Document	166
Choose Field Testers and the Time to Field Test	167
Run an In-house "Controlled" Field Test	167
Run an External Field Test	169
Give Feedback to Field Testers	170
Step 5: Summary Checklist	170
Further Reading	170
STEP 6: PRODUCE AND DISTRIBUTE THE DOCUMENT	172
Step 6: Summary Checklist	174
Further Reading	174
STEP 7: MAINTAIN THE DOCUMENT	176
Step 7: Summary Checklist	178
Further Reading	178
 PART 3: ESSENTIALS BEYOND THE WORD	 179
GRAPHICS	180
Why Use Graphics?	180
Types of Graphics	181
Principles Behind Effective Graphics	184
Materials to Use in Creating Your Own Graphics	188
REFERENCE AIDS	190
Glossary	193
Indexes	193
Exhaustiveness and Precision	194
Faithfulness to Text Wording and Usability	195
Creating Your Own Index	197

Contents	xiii
Cross-References	198
Bleeding Edges	198
Headings	199
PACKAGING	200
FURTHER READING	202
PART 4: ONLINE DOCUMENTATION	205
WHY ONLINE RATHER THAN PAPER DOCUMENTATION?	206
What Is Online Documentation?	208
Physical Differences Between Paper and Online Documentation	208
Organizational Differences Between Paper and Online Documentation	211
Rhetorical Differences Between Paper and Online Documentation	212
WHAT ONLINE DOCUMENTATION IS NOT	214
WHAT SHOULD PAPER MANUAL WRITERS CARE ABOUT ONLINE DOCUMENTATION?	216
GENERAL ONLINE DOCUMENTATION CONSIDERATIONS	219
General Online Techniques: Similarities with Paper Manuals	219
General Online Techniques: Philosophical Ideas	220
General Online Techniques: To Overcome Physical Problems	224
General Online Techniques: To Overcome Organization Problems	227
General Online Techniques: To Overcome Rhetorical Problems	228
Learning from Database Dialogues	230
SPECIFIC TECHNIQUES OF THE ONLINE GENRES	231
Specific Techniques of System Messages	231
Specific Techniques of System Controls	232
Commands	233
Menus	234
Icons	236
SPECIFIC TECHNIQUES OF ONLINE TUTORIALS AND HELP MESSAGES	236

xiv

FURTHER READING

GLOSSARY

INDEX

Contents

238

247

259