

Partial Contents

Section 1 The Project

- 1.1 Your Project Starts Here
- 1.2 Start with the Context
- 1.3 What About the Business Data?
- 1.4 The Piccadilly Organization
- 1.5 Building the Data Dictionary
- 1.6 Selling the Airtime
- 1.7 Strategy: Focusing on the Essentials
- 1.8 Identifying Events
- 1.9 Modeling an Event Response
- 1.10 Refining an Event Response
- 1.11 Writing Mini Specifications
- 1.12 Another Event Response
- 1.13 More Events
- 1.14 Some New Requirements
- 1.15 CRUD Check
- 1.16 Strategy: Toward Implementation
- 1.17 Piccadilly's New Environment
- 1.18 Analysis Strategy

Section 2 The Textbook

- 2.1 Analysis Models
- 2.2 Data Flow Diagrams
- 2.3 A Variety of Viewpoints
- 2.4 Data Viewpoint
- 2.5 Data Models
- 2.6 More on Data Flow Diagrams
- 2.7 Leveled Data Flow Diagrams
- 2.8 Current Physical Viewpoint
- 2.9 Data Dictionary
- 2.10 Essential Viewpoint
- 2.11 Event-Response Models
- 2.12 Mini Specifications
- 2.13 Modeling New Requirements
- 2.14 New Physical Viewpoint
- 2.15 Object-Oriented Viewpoint

Section 3 Project Reviews

Detailed reviews of each project chapter in Section 1.

Section 4 Textbook Solutions

Detailed answers to the problems at the end of each chapter in Section 2.

- Bibliography
- Glossary
- Index
- Trail Guide

Complete Systems Analysis

"clearly the best book available for teaching modern systems analysis to practitioners."

—Richard C. Cohen, STARSYS, Inc.

"the Robertsons' theory is heavily integrated with practical exercises. . . . you will appreciate the tremendous effort the Robs have put into making this . . . a true learning tool."

—Warren Keuffel, *Software Development*

"a masterful job . . . a thoroughly detailed case study."

—Ed Yourdon, *Guerrilla Programmer*

". . . this book is fundamentally different from any other analysis texts you may encounter. It doesn't lecture at you, it doesn't take up your time telling you anything you already knew. . . . honest and on-target and funny and inventive and curmudgeonly and wise."

—Tom DeMarco, *from the foreword*

"The authors make years of practical experience available to the readers, providing valuable guidance to the analyst. . . . This is one well-written book. It succeeds in making a difficult subject easily understandable."

—Erik Hansen, *Kommunedata*

"a real tour de force . . . a wealth of ideas for a manager to use to gain insight about project content, quality, scope, direction, and participants."

—Verne Thomas Burk, Senior Consultant
System Technology Group, Unisys

About the Authors



James and Suzanne Robertson's popular seminars have inspired thousands to adopt new ways of thinking about systems. In their consulting, the Robertsons have assisted companies to adapt modern software development techniques

to work with specific projects. Principals of the Atlantic Systems Guild, the Robertsons live in a restored 160-year-old house in London.



Complete Systems Analysis

The Workbook, The Textbook,
The Answers

by James Robertson and
Suzanne Robertson
foreword by Tom DeMarco



ISBN: 0-932633-50-1
©1998, 1994 624 pages softcover
\$63.95 (incl. \$6.00 for UPS in US)

Learn Analysis or Extend Your Skills with a
Detailed Project and a Comprehensive Textbook

In a fundamentally new approach, *Complete Systems Analysis* teaches everything you need to know about analyzing systems: the methods, the models, the techniques, and more.

A definitive text on modern systems analysis techniques is combined with an extensive case study to give readers hands-on experience in completing an actual analysis project.

Readers proceed through each step of a full-scale analysis project, analyzing the complex requirements of a television station's airtime programming department. Each phase of the case study and each exercise in the textbook section is thoroughly explained in separate review and answer sections.

An innovative *Trail Guide* system—inspired by the difficulty levels marked on ski trails—encourages

readers to follow a sequence that suits their skill level. Beginners follow the full trail while experienced analysts fill in gaps in their training, refresh their understanding of key concepts, and practice their skills. Managers review key concepts but can skip the detailed work with models.

The book shows how analysis is used for object-oriented implementation, and how event-response data flow models and entity-relationship data models are complementary, not competing, models.

Since its first publication in 1994 as a two-volume set in hardcover, this highly acclaimed text—released in 1998 as a single softcover volume—has served as a course text in classes throughout the world.

Read more about this book at
<http://www.dorsethouse.com/books/csa.html>