

TABLE OF CONTENTS

About the Author.....	v
Preface.....	vii
How to Use This Manual.....	viii

CHAPTER ONE - ORAL SUBJECTS

Weather Information.....	2
Cross-Country Flight Planning	2
Aircraft Systems Related to IFR Operations	3
Aircraft Flight Instruments and Navigation Equipment	3
Loss of Communication.....	4

CHAPTER TWO - PREFLIGHT PROCEDURES

Instrument Cockpit Check	6
--------------------------------	---

CHAPTER THREE - AIR TRAFFIC CONTROL CLEARANCES AND PROCEDURES

Compliance with Departure, Enroute, and Arrival Procedures and Clearances.....	10
---	----

CHAPTER FOUR - FLIGHT BY REFERENCE TO INSTRUMENTS

Instrument Takeoff (I.T.O.).....	14
Straight and Level Flight.....	17
Change of Airspeed.....	20
Constant Airspeed Climbs.....	22
Constant Airspeed Descents.....	26
Constant Rate Climbs	29
Constant Rate Descents	32
Timed Turns to Magnetic Compass Headings	35
Magnetic Compass Turns	38
Steep Turns.....	40

Recovery From Unusual Flight Attitudes.....	42
---	----

CHAPTER FIVE - NAVIGATION SYSTEMS AND INSTRUMENT APPROACH PROCEDURES

Intercepting and Tracking Navigational Systems and DME Arcs	46
Intercepting and Tracking a VOR, GPS, or LORAN Radial	46
Intercepting and Tracking NDB Bearings	48
Intercepting and Tracking DME Arcs.....	49
Intercepting and Tracking Navigational Systems and DME Arcs Profiles	46
Holding Procedures.....	54
No-Gyro Radar Vectoring and Approach Procedures	60
Nonprecision Instrument Approach Procedures	61
VOR/VOR DME/RNAV/GPS Instrument Approach Procedure ...	62
NDB Instrument Approach Procedure.....	67
Localizer (LOC), Localizer Back Course (LOC BC), Localizer-Type Directional Aid (LDA), and Simplified Directional Facility (SDF) Instrument Approach Procedures.....	72
Nonprecision Instrument Approach Profile.....	77
Precision ILS Instrument Approach Procedure.....	81
Missed Approach Procedures	91
Circling Approach Procedure	94
Landing from a Straight-In or Circling Approach Procedure	98
Pattern “A” and “B”	100
Vertical S, S-1 and S-2.....	104

APPENDIX

Abbreviations.....	109
ATIS/Clearance-1.....	110
ATIS/Clearance-2.....	111
Clearance Shorthand	112
Instrument Approach Review	115
Ordering Information	117