

RESTRICTED

A.P. 129 : VOLUME 2 : PART 2

SECTION 3 : BASIC FLYING

CHAPTER 1 : GENERAL FLYING

	<i>Paras.</i>
Introduction	1-3
Preparation for Flight...	4-7
General Flying	8
Flying Controls	9
Effectiveness of Controls	10-11
Taxying	12-17
Straight and Level Flight	18-20
Climbing... ..	21-23
Descending	24-27
Turning	28-34

CHAPTER 2 : TAKE-OFF, CIRCUIT, APPROACH, AND LANDING

Check Lists	1-3
--------------------	-----

TAKING OFF

Factors Affecting Length of Run	4-11
▶ Allowances when Conditions Deviate from Standard	11A ◀
Acceleration Check Speed	12-15
Take-off Technique	16
Single Turbo-Jet Engine and Nose-Wheel Undercarriage	17-18
Single Piston Engine and Tail-Wheel Undercarriage	19-25
Multi-Turbo-Jet Engines and Nose-Wheel Undercarriage	26-27
Multi-Piston Engines and Tail-Wheel Undercarriage	28
Multi-Piston Engines and Nose-Wheel Undercarriage	29
Taking-Off in a Cross Wind	30-31
Technique for Cross-Wind Take-Off	32

THE CIRCUIT

Introduction	33
Preliminaries to Joining the Circuit	34
Procedure for Joining the Circuit	35-36
Circuit Pattern	37

THE APPROACH

Introduction	38
Use of Flap on the Approach	39
Effect of Wind	40
Wind Gradient	41
Gustiness	42
Manoeuvrability	43
Engine Handling	44
Approach Path	45-48

(A.L. 4, Mar. 58)

RESTRICTED

LANDING

	<i>Paras.</i>
Definitions	49
Nose-Wheel Aircraft	50-51
Aerodynamic Braking	52
Tail-Wheel Aircraft	53
Three-Point Landing	54
Wheel Landing	55

GENERAL CONSIDERATIONS WHEN LANDING

Effects of Flap on Landing	56
Use of Brake	57
Anti-Skid (Maxaret) Braking System	58
Braking Propellers	59
Special Notes for High-Performance Aircraft	60
Engine Handling	61
Length of Landing Run	62
Procedure After Landing	63
Types of Approach and Landing	64-66
Cross-Wind Approach and Landing	67-71
Mislanding Procedures	72-73
Going Round Again	74
Wheel Shimmy	75
Gas Turbine Engines—Flame-Out when Handling on Wet Runways... ..	76-77
▶ Mechanics of the Landing Roll	78
Effect of Wing-Lift	79
Effect of Speed on the Coefficient of Friction	80
Summing the Effect of Wing Lift and Speed	81
Best Stopping Technique	82
Factors Limiting Early Use of Brakes	83-84
Methods of Increasing the Weight on the Wheels (Aeroplanes with Nose-Wheels)	85-87
Landing Techniques	88
Threshold Speed and Height	89-90 ◀

CHAPTER 3 : STALLING AND SPINNING

STALLING

Introduction	1
Stalling Characteristics	2-7
Recovery from the Stall	8-10
Swept-Wing Aircraft	11-14
Stalling in Manoeuvres	15-22
Use of Ailerons	23

SPINNING

Introduction	24
Airmanship	25
Entry into the Spin	26
Types of Spin	27
Normal Spin Recovery	28-29
Emergency Normal Spin—Recovery Action	30
Effect of Aileron	31-34
▶ Inverted Spinning	35-37
Inverted Spin Recovery	38-39
Emergency Inverted Spin—Recovery Action	40
Steep Spins	41
Abandoning a Spinning Aircraft	42 ◀

(A.L. 4, Mar. 58)

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

