

TABLE of CONTENTS

SECTION	CONTENT	PAGE
I.	Introduction	
	A. Background	1
	B. GPS Terms	3
	C. Using a GNS 430 for the First Time	5
	D. Controls	4
II.	Basic Operations	
	A. Tuning Frequencies	10
	B. Direct-To	11
III.	Flight Plans	
	A. Creating a Flight Plan.....	12
	B. Activating a Stored Flight Plan	13
	C. Deleting a Stored Flight Plan	14
	D. Deleting a Waypoint.....	14
	E. Adding a Waypoint.....	15
	F. Nearest Airport	16
	G. Direct-To a Waypoint in Active Flight Plan	16
	Direct-To City Name	17
	Direct-To by Map Panning	17
	H. Storing the Active Flight Plan	18
	H ₁ . Resuming the Active Flight Plan	18
	I. Inverting a Flight Plan	18
	J. Closest Point of Flight Plan	19
	K. Parallel Track	19
	L. SIDs	20
	M. STARs	21
	N. RAIM Prediction	22
	O. Vertical Navigation (NAV 7 Page)	23
	P. User Waypoints	25
	Q. OBS Mode	30
IV.	Approaches	
	A. Approaches	31
	Vectors-to-Final, Load or Activate	32
	ILS Approach	33
	LPV Approach	33
	LNAV, VNAV, and LNAV with Advisory Vert Guide	34
	VOR and Backcourse Approach	34
	Localizer, SDF and LDA Approach	34
	Approach Notes	34
	B. Holding - Part of Approach and NOT Part of Approach ..	35
	C. DME Arc Approach	36

TABLE of CONTENTS

SECTION	CONTENT	PAGE
V.	Appendixes	
	A. Default NAV Page (NAV 1)_____	37
	B. MAP Page (NAV 2)_____	39
	C. Terrain Page (NAV 3)_____	44
	D. NAVCOM Page (NAV 4)_____	45
	E. Position Page (NAV 5)_____	46
	F. Satellite Status (NAV 6) and Vertical Nav (NAV 7)_____	47
	G. Waypoint Pages and Airport Location (WPT 1)_____	48
	H. Airport Runways (WPT 2)_____	49
	Airport Frequencies (WPT 3)_____	49
	Airport Approaches (WPT 4)_____	49
	Arrival and Departure (WPT 5 and 6)_____	50
	Intersections, NDBs, VORs and User (WPT 7, 8, 9, 10)_____	50
	I. Nearest Pages	
	Airports (NRST 1)_____	51
	Intersections, NDBs, VORs, User, ARTCC, FSS and Airspace (NRST 2, 3, 4, 5, 6, 7, and 8)_____	52
VI.	Page Descriptions	
	NAV Pages	53
	Waypoint Pages	54
	Aux Pages_____	55
	Nearest Pages_____	56
VII.	Miscellaneous	
	Checklists_____	57
	Scheduler	58
	Approach Charts	59
VIII.	XM Weather	
	Display Radar Coverage	60
	Display NEXRAD on the Map Page_____	61
	Selecting a Product on the XM Weather Page	61
	Display Product Legend_____	61
	Display Textual METARs, TAFs and Winds Aloft	62
	Display TFR Info, Cells and Movement, and Lightning	63