

TABLE of CONTENTS

SECTION	CONTENT	PAGE
I.	Introduction	
	A. Background	1
	B. GPS Terms	3
	C. Using a GNS 530W for the First Time	5
	D. Controls	6
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. Inverting & Activating a Stored Flight Plan	13
	D. Deleting a Stored Flight Plan	14
	E. Deleting a Waypoint 14	
	E ₁ . Resuming the Active Flight Plan	14
	F. Adding a Waypoint	15
	G. Nearest Airport	16
	H. Direct-To a Waypoint in Active Flight Plan	16
	(1) Direct-To City Name	17
	(2) Direct-To by Map Panning	17
	I. Storing the Active Flight Plan	18
	J. Closest Point of Flight Plan	18
	K. Parallel Track	19
	K ₁ . Resuming the Active Flight Plan	19
	L. SIDs	20
	M. STARs	21
	N. RAIM Prediction	22
	O. Vertical Navigation	23
	P. User Waypoints	24
	Q. OBS Mode	29
IV.	Approaches	
	A. Approaches	30
	Vectors-to-Final, Load or Activate	31
	ILS Approach	32
	LPV Approach	32
	LNAV / VNAV, and LNAV with Advisory Vert Guide	33
	VOR and Backcourse Approach	33
	Localizer, SDF and LDA Approach	33
	Approach Notes	33
	B. Holding - Part of Approach and NOT Part of Approach	34
	C. DME Arc Approach	35

TABLE of CONTENTS

SECTION	CONTENT	PAGE
V.	Appendixes	
	A. Default NAV Page (NAV 1)	36
	B. MAP Page (NAV 2)	39
	C. Terrain Page (NAV 3)	44
	D. NAVCOM Page (NAV 4)	45
	E. Satellite Status Page (NAV 5)	46
	F. Waypoint Pages and Airport Location (WPT 1)	47
	G. Airport Runways (WPT 2)	48
	Airport Frequencies (WPT 3)	48
	Airport Approaches (WPT 4)	48
	Arrival, Departure, Intersection, NDB, VOR, and User Waypoints (WPT 5, 6, 7, 8, 9, and 10)	49
	H. Nearest Pages	
	Airports (NRST 1)	50
	Intersections, NDBs, VORs, User, ARTCC, FSS and Airspace (NRST 2, 3, 4, 5, 6, 7, and 8)	51
VI.	Page Descriptions	
	NAV Pages	52
	Waypoint Pages	53
	Aux Pages	54
	Nearest Pages	55
VII.	Miscellaneous	
	Checklists	56
	Scheduler	57
	Charts	58
VIII.	XM Weather	
	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