U.S. Department of Transportation Federal Aviation Administration

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feetable, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

									Section 1 and 1 and 1 and 1 and 1						
			TERM	IINAL ROL	ITES							MISSED A	APPRO/	ACH	
FROM			TC)		COURSE	AND DISTAN	NCE	ALTITUDE						
KUMBA WP		JAKEB	WP (TF) (F	B)	33	35.61/22.00			5800	LNAV	: ASIYO WP				
MOMAR WP		OCUR	O WP (TF) (F	B)	16	9.41/16.41			4000	CLIM	BING LEFT T	URN TO 4000	DIRECT	T OCURO	WP AND
JAKEB WP (IAF)		SEDYO	WP (TF) (F	B)	35	55.50/8.00			3800	HOLD).				
OCURO WP (IAF)		SEDY	WP (TF) (F	В)	26	52.60/8.00			3800						
SEDYO WP		HAKUF (TF) (F	R/2.50 NM TO B)	COMTU W	VP 26	67.56/2.50			3100						
HAKUR		CARLO CONTRACTOR	WP (TF) (F	B)	26	57.56/2.50			2400	-51.00 (L. 1978)	IONAL FLIG	HT DATA: 257.00 INBOU	ND		
ASIYO WP (MAP)		OCUR	O WP (DF) (I	FO)					4000						
										3.23		119 TREE 331! O RW25: 3.46		1340	
1. PT NA SIDE OF	COURSE	OU	TBOUND	FTV	VITHIN	MILES	OF			(IAF)	CHART VDP	AT 3.64 NM TO	0 RW25		
2. PROFILE STARTS		17.7								100					ANGLES NOT
3. FAC: 249.90 FA							F TO MAP:_	-	THLD: 5.0		OINCIDENT.				
4. MIN. ALT: SEDYO		KUR/2.50									HART: R-251		/4 4 6 0 7 0	•	
5. DIST TO THLD FI	The state of the s		MM:	IM:	150	HAT:	100 HAT:		S ANT:		HAM1: 2/19	TREE 331823	110073	4	
6. MIN GS INCPT:	GS AL					ON	1: N	/M:	IM:	F	INAL SEGME	NT (TF)			
7. GS ANGLE:		34:1 IS C	LEAR												
8. MSA FROM: ASI	YO WP 10000						MINIMA				MAG VAR: 1	3E	EPOCH	YEAR: 20	00
TAKEOFF: STA	NDARD X	Terre	A FORM	8260-15A	EOD TH	IIS AIRPORT	ALTERNAT	TE: NA	I X I						
	INDAND I A	A	W LOUM	6200-15A	В	IIS AINFONT	ALIERNAI	C	1		D		_	E	
CATEGORY ====>	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ M		HAT/HAA	DH/ M		
LNAV MDA	1720	1 1/4	1200	1720	1 1/2	1200	1720	3	1200	172		1200	1010 101		- 1.011.71.00
CIRCLING	1720	1 1/4	1200	1720	1 1/2	1200	1720	3	1200	172		1200			
			1			1	1								
NOTES: GPS OR RN CIRCLING NA SOUTH *VDP NA WITH IMPE IF LOCAL ALTIMETE FEET	OF RWY 7-2 RIAL COUNT	5 Y ALTIME	TER SETTI	NG	OUNTY	ALTIMETER S	SETTING AND	D INCRE	ASE ALL MD	A'S 580	TLO	3-08			
CITY AND STATE		100	LEVATION:		520 TDZE	E: 520		1 17.59	ROCEDURE	NO. / A	-	EFFECTIVE D	10035V	SUP:	
		1	AIRPORT NA	ME:			IDENTIFIE	R:			M	AY 15 2	003	AMDT:	NONE
BORREGO SI	PRINGS, CA			BORREGO	VALLEY		RNAV			HNAV (GPS) RWY 2	5, ORIG		DATE	77-71-71-71
													-	1	

U.S. Department of Transportation Federal Aviation Administration

RNAV - STANDARD

INSTRUMENT APPROACH PROCEDURE FAR PART 97.33

Bearings, headings, courses, and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated. Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

	THE REAL PROPERTY.			TERM	IINAL ROU	ITES		9-1-1	11.5				MISSED A	PPROA	СН		-
	FROM			TC)		COURSE /	AND DISTAN	CE	ALTITUDE							
KUMBA WP	y		JAKEB	WP (TF) (FI	B)	33	35.61/22.00			5800	LNAV: AS	IYO WP					100
MOMAR WP	•		OCUR	O WP (TF) (F	B)	16	9.41/16.41			4000	CLIMBING	LEFT TU	JRN TO 4000	DIRECT	OCUE	RO WP	AND
JAKEB WP	(IAF)		SEDYC	WP (TF) (F	B)	35	55.50/8.00			3800	HOLD.						
OCURO WP	(IAF)		SEDYC	WP (TF) (F	В)	26	52.60/8.00			3800							
SEDYO WP			HAKUF (TF) (F	R/2.50 NM TO B)	о сомти w	/P 26	67.56/2.50			3100			20000				
HAKUR			СОМТ	J WP (TF) (F	B)	26	67.56/2.50			2400	ADDITION		IT DATA: 57.00 INBOU!	ND.			
ASIYO WP (MAP)		OCUR	O WP (DF) (F	FO)					4000	FAS	DBST: 141	9 TREE 3315 RW25: 3.46	35/1161	340		7
1. PT_NA 2. PROFILI				TBOUND_	FT V	VITHIN	MILES	OF					T 3.64 NM TO		DECO	ENT AN	ICI EC NOT
3. FAC: 24			100				DIST FAI	F TO MAP:		THLD: 5	F-1-1 Crox 900000 20	CIDENT.	LE NOTE: VG	SI AND	DESC	ENI AN	IGLES NOT
4. MIN. ALT	T: SEDYO	WP 3800, HA	KUR/2.50	NM TO CO	MTU WP 31	00, COM	TU WP 2400.	554,5			A CONTRACTOR OF THE PARTY OF TH	RT: R-2510	A STATE OF THE PARTY OF THE PAR				
5. DIST TO	THLD FR	OM OM:		MM:	IM:	150	HAT:	100 HAT:	GS	ANT:	CHAF	RT: 2719 T	REE 331823/	1160732	2		
6. MIN GS IN		GS AL					OM	: N	M:	IM:	FINA	SEGME	NT (TF)				
7. GS ANGL			34:1 IS C	LEAR									V2000.#1200.#2	-noou	\/E.D		
8. MSA FRO	JW: ASIY	O WP 10000				-		MINIMUMS	-		MAG	VAR: 13	E	EPOCH	YEAH.	2000	
TAKEOFF:	STAN	NDARD X	SEE FA	A FORM	8260-15A	FOR TH	IIS AIRPORT	2000-3100-1100-1100-1100-1100-1100-1100-	E: NA	x					-		
CATEGOR			A			В			С			D				E	
		DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MDA	VIS	HAT/HAA	DH/ MI	DA	VIS	HAT/HAA
LNAV MDA		1720	1 1/4	1200	1720	1 1/2	1200	1720	3	1200	1720	3	1200				
CIRCLING		1720	1 1/4	1200	1720	1 1/2	1200	1720	3	1200	1720	3	1200		-		
											-				_		_
				100													
CIRCLING N * VDP NA W	NA SOUTH	OF RWY 7-2 RIAL COUNT SETTING N	5 Y ALTIME	TER SETTIN	NG	OUNTY	ALTIMETER S	ETTING AND	INCRE	ASE ALL MI	DA'S 580						
CITY AND	STATE			LEVATION:		520 TDZ	E: 520	FACILITY	-	ROCEDURE	NO. / AMD	T NO. / E	FFECTIVE D	ATE:	SUP:		
-11110				AIRPORT NAME: IDENTIFIER:							RNAV (GPS) RWY 25, ORIG						
		RINGS, CA	1		ME: BORREGO			RNAV	t:		BNAV (CDC	N RWV 25	ORIG		AMD	Γ:	NONE

ALL AFFECTED PROC	CEDURES REVIEWED?	COORDINATES OF F	ACILITIES	REQUIRED EF	FECTIVE DATE
X YES	□ NO			ROU	TINE
COORDINATED WITH:					
ATA AAT	ALPA APA	AOPA NBAA	OTHER (specify) X ZLA, LAX FPC	O, AIRPORT MANAGER	
		FLIGHT CHECKE	D BY		
NAME:				FIFO	DATE:
	A1	an Kroeger DEVELOPED	BV	AVN	12/3/02
NAME:	DANNY E. HAMILTON (McC	11 10101	-	FIFO AVN-140	DEC 学9: 2002
		APPROVED I	ЗҮ		
NAME:	CAREN L. SYCH	Alya	MANAGI	FIFO ER AVN-140	DE @ATE 9 2002
CHANGES: ORIGINAL					
REASONS:					
REQUESTED BY LAX FPO					

			Talkar.				11 124		ΡΔ	RT - A OBSTR	LICTION DATA		THE RESERVE	CILL COLL	The second		Columbia Color
1. APP SEG	MENT	T	F	RC	M			то		STRUCTION	COORDINAT	ES	ELEV. MSL	ROC	AL	T. ADJUSTMENTS	MIN. AL
EEDER		K	CUMBA	-			JAKEB		1. 200'		330248/116103	1000	3793 (4E)	2000			5793/5800
			COMBA						2. TERF		10002107110100		3593	2000	AS 15	00	5093/5100
													A HOLDER		NY H		
EEDER		N	MOMAR				OCUR)	3. 200'	MANUFACTURE CONTRACTOR OF THE PARTY OF THE P	332321/116044		1798 (4E)	2000*		97 SA -995	4000/4000
	No.	+		-					4. TERF	RAIN	333242/115524	2	437		AS 15	00	1937/1900
NITIAL		J	JAKEB				SEDYC)	5. 200'	AAO	330657/116131	5	2084 (4E)	1000	DG 71	6	3800/3800
					115		10		6. TERF	RAIN			1884		AS 15	00	3384/3400
NITIAL		-	OCURO				SEDYC		7. 200'	AAO	331659/116061	4	979 (4E)	1000	DG 18	21	3800/3800
				151	200				8. TERF	- NASAPIA			779		AS 15	1000	2279/2300
NTERMEDIATE			SEDYO	-		_	HVKIII	R/2.50 NM TO	9. 200'	440	331823/116073	12	2719 (2C)	500**	DA 12	9 DG 234 SA -492	3100/3100
MICHWIEDIAIE	-	-	SEDIO				COMT		10. TEF	100	331724/116075		959	300	AS 15		2459/2500
		+			29-1-		CONT		10. 121	III AII V	331724/110073	-	333		A0 10		2433/2300
NTERMEDIATE S	DF	F	HAKUR				COMTU		11. 200' AAO		331550/116124	10	1439 (2C)	500	DG 46	1	2400/2400
				mill		12. TERRAIN		design v films		1239		AS 10	00	2239/2200			
FINAL		-	сомти		CIT.		ASIYO		13. 100	O' TREE	331535/116134	10	1419 (2C)	250	PR 35	A STATE OF THE STA	1704/1720
			1534		Alle.								1419 (2C)	250	RA 56	5 PR 35	2269/2300
illan -					(4)			31.1									
2. PROCEDURE 1	TURN		NA	÷			1139	Apparatus Control	PARIE .								2
	MA	_	ASIYO		ALC:		OCURO		Show a series on 62				THE SHAPE	ASC			4000
3. MISSED APPROACH —		771		8		Ш			M.		H.M. H.			10-3			
OIDOLINO AS	VA	and the second	1435	4											-		
CATEGORY A			NCE	1		A	BV. A		14 TO	WER (05-0521)	331548/116194	10	666 (4D)	200		SI/SI, RA, PR	1720/2300
CATEGORY E		1.5			350 450	_		200/1780 200/1780		WERLINE	331545/116211		760 (2C)	300		SI/SI, RA, PR	1720/2300
CATEGORY		1.7	NIM	REQUIRED	450	ACTUAL	1	200/1780		O' TREE	331624/116170		819 (2C)	300		SI/SI, RA, PR	1720/2300
CATEGORY		2.3	NIM	ᇑ	550	S	1	200/1780	17. 100		331619/116162		979 (2C)	300		SI/SI, RA, PR	1720/2300
CATEGORY E		4.5		œ	550	1	-	200/1700	17. 100	J THEE	551015/110102		373 (20)	300		31/31, 11A, 111	1720/2000
. MINIMUM SA	A CHARLES OF THE COLUMN		and the same of th	-	000	-	-	- Constitution of	nedo se	PRIMARY I	NAVAID: ASIYO						
SECTOR	_		CTION	Т	BRG	DI	ST T	ELEVATION		MSA	SECTOR	OBS	TRUCTION	BRG /	DIST	ELEVATION (MSL	MSA
360-360			AAO		324	_		8916	all is	10000	3201011	000		5.107	_,,,,	ZZZYYYYOY (MOE	
CITY AND STAT	TE .				AIRE	POF	RT & EL	EVATION	520	FACILITY			PROCEI	DURE AN	ND AMI	ENDMENT NO:	REGION

NOTES / EXPLANATIONS FROM OPPOSITE SIDE OF FORM:					PART B - SUPPLEME	NTAL	DATA			
	1. COM	MUI	NICATIONS WITH:		2. WEATHER S	SERVI	CE	3.	ALTIMETER SETTING	
AIRSPACE: SEE TERMINAL AIRSPACE DATA REQUIREMENTS SHEET	ZLA SAN FSS	F			N W S OTHER: A	sos	S	OURCE:	KL08/KIPL	
DESCENT ANGLE COMTU TO RW25: 3.46/42	A LUMB CO.				A/C		D	STANC	E: 0/45.26	
FAC OFFSET 6 DEGREES FROM EXTENDED CENTERLINE AND MAP IS LOCATED 1NM PRIOR TO THRESHOLD TO PROTECT BORREGO	SATISFACT	1000	Y ON:		OCATION: ON AIRPO	RT			EMOTE OPERATION: 24	
SCHOOL FROM MISSED APPROACH.	XVA		X OHF HE	1	HRS OPTN: 24		A	JUSTN	IENT: 0/565	
	A STORY OF		PF	RIMA	RY			SEC	ONDARY	
* OBSTACLE IN SECONDARY AREA 12152.23 - 105.21 / 12152.23 X 500 = 4.32 +1000 = 1004.32	4.	N	AVAID:			N/	VAID:			
ROC = 1005.00 FT.	MONITOR	M	ONITOR POINT:	THE	Sulley 1991	M	ONITOR PO	INT:		
	STATUS	H	IRS CAT 1			1	HRS CAT	1		
**OBSTACLE IN SECONDARY AREA		01	PTN: CAT 3			0	PTN: CAT	3		
6076.12 - 5982.85 / 6076.12 X 500 = 7.67 ROC = 8.00ft	E AUDODA	05	FLOOR OF CON	TRO	LLED AIRSPACE UNI	DER I	AC		CONTROL AREA	
DESCENT OPADIENTS	5. AIRSPA	CE	CONTROL	ZON	E:	НС	URS OPTN	X	TRANSITION AREA	
DESCENT GRADIENTS FINAL: 367.60			ALS			- W	REIL			
	6.		(S) SALS	15-11			TDZ	10201		
INTERMEDIATE:	& RUNWAY	1	MALS		W PIN THE WATER		C/LINE			
SEDYO TO HAKUR: 280.00	LIGHTING		HIRL			x	OTHER (Specify)		
HAKUR TO COMTU: 280.00		X	MIRL7,25 (PCL)		G Campacing	^	PAPI-2L 7	,25 (PC	L)	
INITIAL:	7. RUNWA	YN	MARKINGS BSC-G 7	7,25		8.	RUNWAY	VISUAL	RANGE	
OCURO TO SEDYO: 25.00	ALL WEAT	HEF	3			AP	PROACH			
JAKEB TO SEDYO 250.00	INSTRUMEN	NT				RO	LL OUT	15.8		
	9. GLIDE		G S ANGLE:		A SEIN COMME	ELI	LEV RWY THRESHOLD:			
PRECIPITOUS TERRAIN ADJUSTMENT OF 35 FEET BASED IN LAX	SLOPE		DISTANCE FROM	1 RW	Y:	ELI	EV GS AN	ENNA:		
FPO RECOMMENDATION FOR 600 FEET OVERALL MINIMA ADJUSTMENTS FROM RASS AND PRECIPITOUS TERRAIN.	100					TH	RESHOLD	CROSSI	NG HEIGHT:	
ADDOUGHERT OF HOM HADO AND THEOR HOOD TEINIAM.	10. FINAL	A	PPROACH R	UNW	AY THRESHOLD 60	76.12			FT. FROM THRESHOLD	
RASS BASED ON DISSIMILAR PRESSURE PATTERN	COUR	SE	AIMING X O	N C	ENTERLINE		MIN		FT. FROM CENTERLINE	
DISTANCE BETWEEN AIRPORT AND ALTIMETER SOURCE 45.26 NM HIGH TERRAIN 3094 FEET	11. WAIVE	RS (OF STANDARDS	NUMBER OF WAIVERS ON FI				DATES OF APPROVAL		
LOW TERRAIN -193 FEET					NONE	E				
# MDA BASED IN INCREASE OF 580 FT FOR REMOTE NOTE	BORREGO S IF LOCAL A MDA'S 580 FLOOR OF C DOCKET #9 CHART VDB	CON OFE CON OFA TH	OOL SW OF AIRPOI METER NOT RECEIV ET ITROLLED AIRSPAC WP04. IT 3.64 NM TO RWY IMPERIAL COUNTY	RT /ED, EE /T		TY AL	TIMETER S	ETTING		
	DANNY E. H	IAN	EPARED BY: MILTON (McCULLOU					ATE:	08/29/2001 AVN-140	
	and the same of th	CITE TO		150000000000000000000000000000000000000	10 March 20				LOS TO THE WAY TO	

	RNAV	STAN	DARD I	NSTRUME DARDS SERV	NT APP	ROACH I			except HAT Coilings are	T, HAA, TCH ro in foot abo	H, and RA. A	lititudes are ovation. Dist	agnetic. Elevation minimum altitude ances are in nau feet RVR.	s unless ott	nerwise Indic	eet, MSL, ated.
	7			TERMI	NAL ROU	ITES							MISSED AF	PROACH	1	
	FROM			TO			COURSE A	ND DISTANO	CE AL	LTITUDE	MAP:			A Company of		
			100							1700						
									10.							
											ADDITION	IAL FLIGH	IT DATA:			
	a															
											Sec 100 110					
	DE OF CO	URSE	OU.	TBOUND	FT W	ITHIN	MILES OF				(IAF)					
2. 3. FAC																
3. FAC	FAF						DIST	FAF TO MAP		THLD						
4 A414 ALT											-					
. MIN. ALT												IAG VAR		FPOCH	YFAR.	
. MIN. ALT								AINIMUMS			M	AG VAR:		EPOCH	YEAR:	
B. MSA FROM:	STAND	ARD	SEE F	AA FORM 82	260-15A FC	OR THIS AI		AINIMUMS ALTERNATE	E: NA			IAG VAR:		EPOCH	YEAR:	
4. MIN. ALT B. MSA FROM: TAKEOFF:	STAND	ARD	SEE F	AA FORM 82	260-15 A FC	OR THIS AII	RPORT		С		м	IAG VAR:			E	
MIN. ALT B. MSA FROM: TAKEOFF:	STAND	MDA	-	AA FORM 82	260-15A FC				С	HAT/ HAA	MDA		HAT/ HAA	EPOCH		HAT/ HAA
4. MIN. ALT B. MSA FROM: TAKEOFF:	STAND		A			В	RPORT	ALTERNATE	С	HAT/ HAA		D	HAT/ HAA		E	HAT/ HAA
4. MIN. ALT B. MSA FROM: TAKEOFF:	STAND		A			В	RPORT	ALTERNATE	С	HAT/ HAA		D	HAT/ HAA		E	HAT/ HAA
4. MIN. ALT 8. MSA FROM: TAKEOFF: CATEGORY =	STAND		A			В	RPORT	ALTERNATE	С	HAT/ HAA		D	HAT/ HAA		E	HAT/ HA/
4. MIN. ALT B. MSA FROM: TAKEOFF:	STAND		A			В	RPORT	ALTERNATE	С	HAT/ HAA		D	HAT/ HAA		E	HAT/ HA
4. MIN. ALT B. MSA FROM: TAKEOFF: CATEGORY =	STAND		A			В	RPORT	ALTERNATE	С	HAT/ HAA		D	HAT/ HAA		E	HAT/ HA
4. MIN. ALT B. MSA FROM: TAKEOFF: CATEGORY =	STAND		A		MDA	B VIS	HAT/ HAA	ALTERNATE	С	HAT/ HAA		D	HAT/ HAA		E	HAT/ HA
4. MIN. ALT B. MSA FROM: TAKEOFF:	STAND	MDA	A VIS	HAT/HAA	MDA	В	HAT/ HAA	ALTERNATE	С	HAT/ HAA		D	HAT/ HAA		E	HAT/ HA
4. MIN. ALT B. MSA FROM: TAKEOFF: CATEGORY =	STAND	MDA	A VIS		MDA	B VIS	HAT/ HAA	ALTERNATE	С	HAT/ HAA		D	HAT/HAA		E	HAT/ HA
4. MIN. ALT B. MSA FROM: TAKEOFF: CATEGORY =	STAND	MDA	A VIS	HAT/HAA	MDA	B VIS	HAT/ HAA	ALTERNATE	С	HAT/ HAA		D	HAT/ HAA		E	HAT/ HA
MIN. ALT B. MSA FROM: TAKEOFF: CATEGORY =	STAND	MDA	A VIS	HAT/HAA	MDA	B VIS	HAT/HAA 5 2003	MDA	C VIS		MDA	D VIS		MDA	E	HAT/ HA
MIN. ALT B. MSA FROM: TAKEOFF: CATEGORY =	STAND	MDA	A VIS	HAT/HAA DEFFECTIV	MDA	B VIS	HAT/HAA 5 2003	MDA	VIS H		MDA	D VIS	HAT/HAA	MDA	E	HAT/ HA
4. MIN. ALT B. MSA FROM: TAKEOFF: CATEGORY =	STAND	MDA	A VIS	HAT/HAA	MDA	B VIS	HAT/HAA 5 2003	MDA	VIS H		MDA	D VIS		MDA	E VIS	HAT/ HAA