

RNAV - STANDARD US DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION				INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR 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.											
TERMINAL ROUTES										MISSED APPROACH									
FROM		TO		COURSE AND DISTANCE				ALTITUDE		LPV: DA LNAV/VNAV: DA LNAV: RW32 CLIMB TO 3000 DIRECT HISIK AND HOLD. ADDITIONAL FLIGHT DATA: HOLD NW, LT, 142.23 INBOUND. CHART FAS OBST: 613 TOWER 273054N/0992651W. DISTANCE TO THLD FROM 250 HAT: 0.71 NM. CHART VDP AT 1.07 NM TO RW32* *LNAV ONLY. WAAS CHANNEL # 86633 REFERENCE PATH ID: W32A CHART CIRCLING ICON. LTP HAE: 118.4 M									
KAHAN		JUBSU (TF) (FB) (RNP 2.00)		152.62 / 19.46				3000											
JUBSU (IAF)		LIYIS (TF) (FB) (RNP 1.00)		232.43 / 10.00				3000											
NELEE (IAF)		LIYIS (TF) (FB) (RNP 1.00)		313.76 / 18.79				3000											
LIYIS (IF)		UCEPU (TF) (FB) (RNP 1.00)		322.36 / 6.80				1800											
UCEPU (FAF)		YUGUB/1.90 NM TO RW32 (TF) (FB) (RNP 0.30)		322.33 / 2.13															
(SEE FORM 8260-10)																			
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. PROFILE STARTS AT LIYIS 3. FAC: <u>322.33</u> FAF: <u>UCEPU</u> DIST FAF TO MAP: <u>4.03</u> THLD: <u>4.03</u> 4. MIN. ALT: <u>LIYIS 3000, UCEPU 1800, YUGUB/1.90 NM TO RW32 1120*</u> 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: <u>1800</u> GS ALT AT: <u>UCEPU 1800</u> OM: _____ MM: _____ IM: _____ 7. GS ANGLE: <u>3.00</u> TCH: <u>50.0</u> 34:1 IS NOT CLEAR 8. MSA FROM: <u>RW32 2600</u>																MAG VAR: 5E		EPOCH YEAR: 2020	
MINIMUMS																			
TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT								ALTERNATE: N A		STANDARD @									
CATEGORY =====>		A		B		C		D		E									
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA				
LPV DA	744	3/4	250	744	3/4	250	744	3/4	250	744	3/4	250	744	3/4	250				
LNAV/VNAV DA	826	1	332	826	1	332	826	1	332	826	1	332	826	1	332				
LNAV MDA	880	1	386	880	1	386	880	1 1/8	386	880	1 1/8	386	880	1 1/8	386				
CIRCLING	940	1	432	980	1	472	1100	1 1/2	592	1200	2 1/4	692	1200	2 1/2	692				
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 1C (34F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4, CAT E 800-2 1/2 CHART NOTE: CIRCLING NA W OF RWYS 14 AND 36L. CHART NOTE: RWY 32 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED. CHART NOTE: DME/DME RNP-0.3 NA. (CONTINUED ON PAGE 2)																			
CITY AND STATE		ELEVATION: 508 TDZE: 494		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:									
LAREDO, TX		AIRPORT NAME: LAREDO INTL				RNAV (GPS) RWY 32, AMDT 2 1 FEBRUARY 2018				AMDT: 1A									
										DATED 04/02/2015									



US DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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TERMINAL ROUTES, (CONT.):

FROM	TO	COURSE AND DISTANCE	ALTITUDE
YUGUB/1.90 NM TO RW32	RW32 (MAP) (TF) (FO) (RNP 0.30)	322.33 / 1.90	
RW32 (MAP)	744 MSL (CA)	322.33	
744 MSL	HISIK (DF) (FO) (RNP 1.00)		3000

NOTES, (CONT.):

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT KAHAN ON V17 NORTHBOUND.
 CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT NELEE ON V17 SOUTHEAST BOUND.
 CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

QUALITY
25
CHECKED

CITY AND STATE
LAREDO, TX

ELEVATION: 508 **TDZE: 494**
 AIRPORT NAME:
 LAREDO INTL

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:
RNAV (GPS) RWY 32, AMDT 2
 1 FEBRUARY 2018

SUP:
 AMDT: 1A
 DATED: 04/02/2015

**RNAV STANDARD INSTRUMENT APPROACH PROCEDURE
FLIGHT STANDARDS SERVICE - FAR PART 97.33**

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FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KLRD
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	273208.6350N
LTP/FTP LONGITUDE	0992724.6680W
LTP/FTP ELLIPSOIDAL HEIGHT	+01184
FPAP LATITUDE	273323.8270N
FPAP LONGITUDE	0992818.8120W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0944
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 EF6D2619

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01425
FPAP ORTHOMETRIC HEIGHT	+01425

QUALITY
25
CHECKED

CITY AND STATE LAREDO, TX	ELEVATION: 508 AIRPORT NAME: LAREDO INTL	TDZE: 494 LAREDO INTL	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 32, AMDT 2 1 FEBRUARY 2018	SUP:
					AMDT: 1A
					DATED: 04/02/2015