

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: RW12 CLIMB TO 3600 DIRECT ZARPI AND HOLD. ADDITIONAL FLIGHT DATA: HOLD SE, RT, 294.50 INBOUND. CHART FAS OBST: 1143 TREE 443801N/0931613W. CHART 1260 TANK 443848N/0931720W. DISTANCE TO THLD FROM 250 HAT: 0.62 NM. WAAS CHANNEL # 57920 REFERENCE PATH ID: W12A CHART CIRCLING ICON. LTP HAE: 265 M									
JUNTU (IF/IAF)			YAVUK (TF) (FB) (RNP 1.00)			114.27 / 5.97			2600												
YAVUK (FAF)			HOMGA/2.30 NM TO RW12 (TF) (FB) (RNP 0.30)			114.36 / 2.68															
HOMGA/2.30 NM TO RW12			RW12 (MAP) (TF) (FO) (RNP 0.30)			114.36 / 2.30															
RW12 (MAP)			1211 MSL (CA)			114.36			3600												
1211 MSL			ZARPI (DF) (FO) (RNP 1.00)																		
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD NW JUNTU, RT, 114.27 INBOUND, 3000 FT. IN LIEU OF PT (IAF) 3. FAC: 114.36 FAF: YAVUK DIST FAF TO MAP: 4.98 THLD: 4.98 4. MIN. ALT: JUNTU 3000, YAVUK 2600, HOMGA/2.30 NM TO RW12 1740* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 2600 GS ALT AT: YAVUK 2600 OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 54.0 20:1 IS NOT CLEAR 34:1 IS NOT CLEAR 8. MSA FROM: _____																		MAG VAR: 3E		EPOCH YEAR: 1995	
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	1211	1	250	1211	1	250	1211	1	250	1211	1	250									
LNAV/VNAV DA	1270	1	309	1270	1	309	1270	1	309	1270	1	309									
LNAV MDA	1400	1	439	1400	1	439	1400	1 1/4	439	1400	1 1/4	439									
CIRCLING	1460	1	499	1460	1	499	1660	2	699	1700	2 1/4	739									
NOTES: CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F). @ CAT D 800-2 1/4 CHART NOTE: RWY 12 HELICOPTER VISIBILITY REDUCTION BELOW 1 SM NOT AUTHORIZED. CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}). *LNAV ONLY (CONTINUED ON PAGE 2)																					
CITY AND STATE				ELEVATION: 961 TDZE: 961				FACILITY IDENTIFIER: RNAV				PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
MINNEAPOLIS, MN				AIRPORT NAME:								RNAV (GPS) RWY 12, AMDT 1				AMDT: ORIG					
				AIRLAKE								19 JULY 2018				DATED 09/23/2010					

QUALITY
 35
 CHECKED

RNAV - STANDARD
INSTRUMENT APPROACH PROCEDURE - TITLE 14 CFR PART 97.33

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NOTES, (CONT.):

CHART NOTE: STRAIGHT-IN RWY 12, CIRCLING RWY 12 AT NIGHT, OPERATIONAL VGSI REQUIRED, REMAIN ON OR ABOVE VGSI GLIDEPATH UNTIL THRESHOLD.

PBN REQUIREMENTS NOTE: RNP APCH.

TAA	FROM	TO	ALT
1.	024/30 CW 204/30 (NOPT)	024/15 CW 204/15	3800
2.	024/15 CW 204/15	JUNTU (IF/IAF) (FB)	3000
3.	204/30 CW 024/30	204/15 CW 024/15	3800
4.	204/15 CW 024/15	JUNTU (IF/IAF) (FO)	3000

QUALITY
35
CHECKED

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 961 AIRPORT NAME: AIRLAKE	TDZE: 961 RNAV	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, AMDT 1 19 JULY 2018	SUP:
					AMDT: ORIG
					DATED: 09/23/2010

**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	KLVN
RUNWAY	RW12
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W12A
LTP/FTP LATITUDE	443749.6240N
LTP/FTP LONGITUDE	0931406.2955W
LTP/FTP ELLIPSOIDAL HEIGHT	+02650
FPAP LATITUDE	443708.5665N
FPAP LONGITUDE	0931215.5740W
THRESHOLD CROSSING HEIGHT (TCH)	00054.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1504
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
 <u>CRC REMAINDER</u>	 52379A5B

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+02928
FPAP ORTHOMETRIC HEIGHT	+02928

QUALITY
16
CHECKED

CITY AND STATE MINNEAPOLIS, MN	ELEVATION: 961 AIRPORT NAME: AIRLAKE	TDZE: 961 RNAV	PROCEDURE NO./AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 12, AMDT 1 19 JULY 2018	SUP:
				AMDT: ORIG
				DATED: 09/23/2010