

RNAV - STANDARD 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: RW25R CLIMB TO 4000 DIRECT DRNAY AND ON TRACK 316.60 TO WHYEE. ADDITIONAL FLIGHT DATA: HOLD N, RT, 202.00 INBOUND (DO NOT CHART). CHART FAS OBST: 730 TREE 374149N/1214546W. 2200 AAO 374032N/1213737W. DISTANCE TO THLD FROM 200 HAT: 0.48 NM. CHART VDP AT 1.66 NM TO RW25R* *LNAV ONLY. WAAS CHANNEL # 50214 REFERENCE PATH ID: W25A CHART CIRCLING ICON. LTP HAE: 89.7 M					
EVETT (IAF)		UHHUT (NOPT) (TF) (FB) (RNP 1.00)		207.15 / 26.16				3700							
OOWEN (IAF)		UHHUT (NOPT) (TF) (FB) (RNP 1.00)		249.07 / 11.04				3700							
SMONE (IAF)		ZORIR (NOPT) (TF) (FB) (RNP 1.00)		306.92 / 5.63				4900							
ZORIR		UHHUT (TF) (FB) (RNP 1.00)		306.87 / 6.00				3700							
UHHUT (IF/IAF)		GAYNS (TF) (FB) (RNP 1.00)		254.77 / 5.91				3200		(SEE FORM 8260-10)					
1. PT _____ SIDE OF COURSE _____ OUTBOUND _____ FT WITHIN _____ MILES OF _____ (IAF) 2. HOLD E UHHUT, RT, 254.77 INBOUND, 3700 FT. IN LIEU OF PT (IAF) 3. FAC: 254.69 FAF: GAYNS _____ DIST FAF TO MAP: 8.64 THLD: 8.64 4. MIN. ALT: UHHUT 3700, GAYNS 3200, OYAH/5.90 NM TO RW25R 2320*, TORCS/2.30 NM TO RW25R 1180* 5. DIST TO THLD FROM OM: _____ MM: _____ IM: _____ 150 HAT: _____ 100 HAT: _____ GS ANT: _____ 6. MIN GS INCPT: 3200 GS ALT AT: GAYNS 3200 _____ OM: _____ MM: _____ IM: _____ 7. GS ANGLE: 3.00 TCH: 47.0 34:1 IS CLEAR 8. MSA FROM: RW25R 5600										MAG VAR: 16E		EPOCH YEAR: 1980			
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	600	1/2	200	600	1/2	200	600	1/2	200	600	1/2	200			
LNAV/VNAV DA	843	7/8	443	843	7/8	443	843	7/8	443	843	7/8	443			
LNAV MDA	980	1/2	580	980	1/2	580	980	1 1/4	580	980	1 1/4	580			
CIRCLING	980	1	580	980	1	580	1140	2	740	1780	3	1380			
NOTES: CHART NOTE: CIRCLING TO RWY 25L NA AT NIGHT. CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -5C (23F) OR ABOVE 54C (130F). CHART NOTE: CIRCLING NA N OF RWY 07L-25R. CHART NOTE: RADAR REQUIRED. (CONTINUED ON PAGE 2)															
CITY AND STATE		ELEVATION: 400 TDZE: 400		FACILITY IDENTIFIER: RNAV		PROCEDURE NO./AMDT NO./EFFECTIVE DATE:				SUP:					
LIVERMORE, CA		AIRPORT NAME: LIVERMORE MUNI				RNAV (GPS) RWY 25R, AMDT 2, 12/07/2017				AMDT: 1					
										DATED 09/15/2016					



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
GAYNS (FAF)	OYAH/5.90 NM TO RW25R (TF) (FB) (RNP 0.30)	254.69 / 2.74	
OYAH/5.90 NM TO RW25R	TORCS/2.30 NM TO RW25R (TF) (FB) (RNP 0.30)	254.69 / 3.60	
TORCS/2.30 NM TO RW25R	RW25R (MAP) (TF) (FO) (RNP 0.30)	254.69 / 2.30	
RW25R (MAP)	600 MSL (CA)	254.69	
600 MSL	DRNAY (DF) (FB) (RNP 1.00)		
DRNAY	WHYEE (TF) (FO) (RNP 1.00)	316.60 / 15.28	4000

NOTES, (CONT.):

CHART NOTE: DME/DME RNP-0.3 NA.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT EVETT ON T298, T331 NORTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT OOWEN ON T259 NORTHEAST BOUND.

CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SMONE ON T261-263 SOUTHEAST BOUND.

CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV CAT C/D TO 1 5/8 SM.

QUALITY
24
CHECKED

CITY AND STATE

LIVERMORE, CA

ELEVATION: 400

TDZE: 400

AIRPORT NAME:

LIVERMORE MUNI

FACILITY
IDENTIFIER:
RNAV

PROCEDURE NO./AMDT NO./EFFECTIVE DATE:

RNAV (GPS) RWY 25R, AMDT 2, 12/07/2017

SUP:

AMDT: 1

DATED: 09/15/2016

**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	KLVK
RUNWAY	RW25R
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W25A
LTP/FTP LATITUDE	374137.6575N
LTP/FTP LONGITUDE	1214840.5005W
LTP/FTP ELLIPSOIDAL HEIGHT	+00897
FPAP LATITUDE	374138.5455N
FPAP LONGITUDE	1215032.7530W
THRESHOLD CROSSING HEIGHT (TCH)	00047.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1152
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
 <u>CRC REMAINDER</u>	 8A159D81

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+01219
FPAP ORTHOMETRIC HEIGHT	+01219

QUALITY
24
CHECKED

CITY AND STATE LIVERMORE, CA	ELEVATION: 400 AIRPORT NAME: LIVERMORE MUNI	TDZE: 400 LIVERMORE MUNI	FACILITY IDENTIFIER: RNAV	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE: RNAV (GPS) RWY 25R, AMDT 2, 12/07/2017	SUP:
					AMDT: 1
					DATED: 09/15/2016